

# ANNUAL REPORT

CHARLES UNIVERSITY IN PRAGUE  
FIRST FACULTY OF MEDICINE

2010





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FIRST FACULTY OF MEDICINE

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# REPORT ON THE ACTIVITIES 2010





# DEAN OF THE FACULTY



Dear colleagues, dear members of the academic community and the staff of the First Faculty of Medicine,

here is the Annual Report of activities and economy of the First Faculty of Medicine of Charles University in Prague for the year 2010.

2010 was a year connected with elections, and the election to the Academic Senate of our Faculty was held as well. Thanks to all members of the former Academic Senate, and above all to its chairman Dr. Marek Hilšer, for their dedicated work and responsible attitude towards the activity in the top legislative body of the Faculty. Also I wish the new elected members of the Academic Senate success and wisdom in their decisions for the benefit of the Faculty.

As every year, this Annual Report is a review of the year's balance. When looking back at the past year, we can pinpoint several factors which will leave a mark in the Faculty's history.

That year was really important for our academic community, as the buildings of the Dean's Office, two institutes and one clinical department, shared with the General Teaching Hospital in Prague, were open after their reconstruction. Therefore the largest renovation at the First Faculty of Medicine was finished. Beautiful historic ornaments of the building were renovated and the teaching facilities, lecture rooms, facilities for research and scientific work as well as the seat of the Dean's Office were reconstructed. Nearly exactly on the same date 127 years ago – on 17<sup>th</sup> October 1883

– the building in Kateřinská Street started to serve its purpose. At that time it was really special for the beginning of medical education in Czech language, and if its first part had not been erected at an incredible speed, the teaching at the Czech Faculty of Medicine could not have been opened at all. Several famous names adore the history of the building. For example, Professor Jan Horbaczewski worked here, the founder and first Head of the Institute of Medical Biochemistry, the first Czech institute of medical chemistry, and one of the founders of Czech biochemistry. Among those who read lectures here were Professor Jaroslav Hlava, the famous Head of the Institute of Pathological Anatomy, and Gustav Kabrhel, the Head of the Institute of Hygiene and the founder of this branch of modern medical science in the country. From 1921 the building in Kateřinská saw many particular adaptations, and in 2004, more than 120 years from its erection the preparations for a complex reconstruction of the whole structure were commenced. The construction work was started in 2005 to 2006. The renovation and modernization added to the capacity of the building and substantially improved the teaching facilities, which now meet the requirement presented by the new century. In the autumn of 2008, exactly 125 years after the teaching was started in the building of the Czech faculty's theoretical institutes, we unveiled the statue of Hygeia by Mr Olbram Zoubek, the master sculptor, to mark completion of the first stage of reconstruction works. In 2009, following the end of the second stage of reconstruction, the memorial high relief of Professor Jan Horbac-



*prof. MUDr. Tomáš Zima, DrSc., MBA  
Dean of the First Faculty of Medicine of Charles University in Prague*

zewski was re-installed, and in 2010 the reconstruction of the building was finished, although the “mere” facelift of the façade and repair of the inner yard are still missing, which – however – will not really affect the everyday operation of the Faculty. After the reconstruction, just as 127 years ago, the building houses the Institute of Medical Biochemistry, the Dean’s Office, again part of the Department of Stomatology, and – from now on – the research laboratories of the Institute of Clinical Biochemistry and Laboratory Medicine. Students, teachers, researchers, other Faculty staff as well as our guests now can enjoy the beautiful modern environment with the historic *genius loci* preserved at a time.

Another important anniversary in 2010 was the birthday of the General Teaching Hospital, which is the largest base for our clinical training, scientific activity and research. It has been the unbelievable 220 years since the moment the hospital started admitting patients, and together with the medical faculty it has been an inseparable whole ever since. At that time, 220 years ago, the Gentlewomen’s Institute at New Town was refurbished to create the gist of what nowadays is our hospital. Between 1890 and 1900, new wards were erected, including the so-called Jubilee Pavilion. The fates of the Czech medical faculty and Czech medical science have been closely connected with the General Hospital, also reflecting the life and fates of our society – the national issue in the mid-19<sup>th</sup> century; the birth of the first Czech clinical department in 1871, the division of the university into two, Czech and German, universities in 1882–1883; the subsequent hard struggle to establish the clinical departments and institutes at the Czech medical faculty (e.g. the Institute of Pathology); the dramatic mobilization of the nation for defence of democracy in September 1938; the death of Jan Opletal, the Czech student shot by Nazis in October 1938, at Prof. Jirásek’s clinical department; occupation of the hospital by SS troops in the early morning of 17<sup>th</sup> November 1938; the time of the May uprising of the Czech people in 1945; and the 1989 Velvet Revolution in the lecture rooms of the Faculty and hospital.

In the past more than two hundred years the hospital area has seen erection, many reconstructions and renovations of many buildings to suit their original purpose – the patient care – best. The recently presented project of updating of the facilities of the General Teaching Hospital, including construction of new modern wards in the third line of buildings, gives hope and optimism in terms of its future development. In the tradition of everything positive that was achieved in the past generations, both the hospital and faculty must continue the rare harmonious symbiosis for at least another 220 years. We also strongly wish that they both may remain a traditional, inseparable part of the city centre.

Another important event in 2010 was the change in the hospital management, when Dr. Dana Jurásková finished her period in the position of Minister of Health and resumed the position of the director of the General Teaching Hospital, replacing the acting director Dr. Jan Bříza. I would like to show my special appreciation for his highly dedicated work in the directorial position as well as for his co-operation with our Faculty in settling all the common issues.

The top priority in 2010 again was promoting the Faculty’s prestige through both scientific and educational activity. In terms of studies, the focus was mainly on preparation of the new updated curriculum for the programme of General Medicine. Discussion of its possible modifications and upgrading was opened, and the study in the new accredited Master degree programme of Addictology started as well. New elective subjects, bridging the gaps between theoretical disciplines, clinical fields and core subjects, met a vivid interest among the students. Our academic community, particularly students and teachers, make use of the new scope of study resources such as e-learning and the novelty WikiLectures (WikiSkripta) as well as the MEFANET web, con-

ceived among others by the First Faculty of Medicine with Prof. Stanislav Štípek and his team working on the MEFANET project, and the Medical Faculty of Masaryk University in Brno. During the year there were more changes to the software and technical layout of the WikiLectures, which led to a better access to the web pages and to more comfort for users. Then the WikiLectures spread to all the medical schools in the Czech Republic and Slovak Republic. Incorporation of the WikiLectures in MEFANET, the national educational web of medical faculties, was a logical and considerable contribution to computer-aided study of medicine and health sciences. The First Faculty of Medicine devised the necessary software and organized and trained specialist teams to manage the networks at particular faculties.

Also in 2010 the Faculty offered its students with a widest choice of international stays and fellowships within the LLP/ERASMUS programme, Mobility Fund of Charles University, Ceepus scheme, inter-university exchange, individual fellowships at the First Faculty of Medicine, stays organized by IFMSA, fellowships organized in co-operation with the Austrian Lions Club Wien, etc. Long-term programmes as well as once-only events of exchange in 2010 were on the basis of international co-operation of the University, Faculty and its particular institutes and departments. The Faculty co-operates with schools of higher education and scientific institutions in 23 countries of four continents. The total number of our outgoing students in the above schemes was 272.

I am happy that the annual Student Scientific Conferences held at the Faculty has proved worthy for the prospective teachers and scientists as their first chance to test their presentations in professional public. I am convinced that this experience is priceless for their future career. 2010 saw already the 11<sup>th</sup> Student Scientific Conference at the First Faculty of Medicine, and the collection of presentations, which were 73 in total, was published. Thirteen best presentations won awards, and two were selected to be awarded special prizes. The conference was generously sponsored by *Medical Tribune*, Galén publishing house, foundation of the General Teaching Hospital, *Zdravotnické noviny* weekly and Grada publishing house.

Last year our Faculty organized the National Student Scientific Conference, hosting the students from Bachelor and Master degree programmes implemented at medical and health science faculties in the Czech Republic and Slovak Republic. At the conference, 36 undergraduate students of Czech and Slovak medical and health science faculties participated. Besides the three medical faculties located in Prague, students from Brno, Hradec Králové, Liberec, Olomouc, Ostrava, Plzeň, Bratislava, Košice and Martin came to represent their home faculties. At the special closing ceremony in the beautiful historic rooms of the New Town Hall, the authors of six best presentations were given awards, and also two special prizes were awarded by the journals *Medical Tribune* and *Zdravotnické noviny*.

In 2010 again, the Faculty performed research within 211 grant projects of the Grant Agency of Charles University, Grant Agency of the Czech Republic, Internal Grant Agency of the Ministry of Health of the Czech Republic and health research. Four projects were implemented within the National Programme of Research II. As a co-operator, the Faculty has been involved in 8 projects in the 6<sup>th</sup> and 7<sup>th</sup> Framework Programmes of the European Union. Further, the Faculty participates in implementation of Fund of Development of Schools of Higher Education projects, 5 projects in the operational programme *Adaptability*, 4 projects in the operational programme *Education for competitiveness* by the Ministry of Health, 5 projects in the operational programme *Human resources and employment* by the Ministry of Labour and Social Care and 3 projects in the operational programme of the Ministry of Interior.



With success, the following research concepts were in progress:

- (1) Prof. Milan Elleder – Molecular biology and pathology of the cell in normal state and in selected clinically important pathologic processes;
- (2) Prof. Jan Škrha – Metabolic, endocrine and genetic aspects of prevention, diagnosis and therapy of cardiovascular, cerebrovascular and renovascular conditions;
- (3) Prof. Pavel Klener – Molecular biological, genetic and epigenetic aspects of origination and development of model tumors of the adult age: Importance for epidemiology, early diagnosis and treatment;
- (4) Prof. Evžen Růžička – Neuropsychiatric aspects of neurodegenerative conditions.

Further, the following Faculty staff members participate in some other research concepts:

- (1) Assoc. Prof. Aleš Žák – Use of experimental and clinical models of metabolic processes, nutrition and pharmacology for development of knowledge, clinical practice and improvement of the quality of life;
- (2) Prof. Michael Aschermann – Invasive approaches to save or regenerate the myocardium;
- (3) Prof. Martin Haluzík – Prevention, diagnosis and therapy of diabetes mellitus, metabolic and endocrine impairments of the organism;
- (4) Assoc. Prof. Dana Marešová – Pathophysiology of neurological diseases and its clinical applications;
- (5) Dr. Zuzana Zemanová – Molecular bases of children's neoplastic conditions and therapeutic applications;
- (6) Assoc. Prof. Ivan Šterzl – Chronic diseases due to inappropriate reactivity of the immunity system, their pathogenesis, and possibilities of early diagnosis and treatment.

In 2010 the Scientific Board of the First Faculty of Medicine performed 7 procedures for appointment to professor posts and 18 habilitation procedures for associate professor posts, while one procedure was suspended by the Scientific Board of Charles University.

The Faculty possesses accreditations for habilitation procedures and procedures for appointment to professor posts in 38 fields. The proposal for accreditation of Medical Psychology as a new habilitation field was submitted to the Scientific Board of the Faculty for approval. The formerly accredited field Anatomy was widened to Anatomy, Histology and Embryology, also joined together were the fields Medical Biology and Medical Genetics, while for the field Medical Biology and Genetics the Faculty applied for accreditation for the first time. Proposals for accreditation of the fields Anatomy, Histology and Embryology; Hygiene and Epidemiology; Clinical Biochemistry; Medical Pharmacology; Medical Biology and Genetics; Medical Immunology; Medical Informatics; Medical Microbiology; Neurosurgery; Oncology; Otorhinolaryngology; Pathological Physiology; Paediatrics; Psychiatry; Medical Psychology; and Forensic Medicine were submitted for proceeding to the Scientific Board of Charles University, following the approval by the Scientific Board of the First Faculty of Medicine.

The Faculty possesses accreditations for 21 doctoral programmes, and 57 postgraduate students successfully defended their theses in 2010.

By the Dean's order the list of parts of the Faculty was issued, which considerably helped to consistently record any publications and citations bearing the address of the First Faculty of Medicine of Charles University. The total number of 577 authors from the Faculty published more than 450 original and synoptic papers in journals with an impact factor. Further, a stable increase in quality of the publications was obvious as well as the rising number of authors publishing in journals with high impact factors.

The Scientific Board of Charles University approved on the proposal by Scientific Board of the First Faculty of Medicine to award Prof. Patrick Anthony Riley, M.B., B.S., Ph.D., D.Sc., F.R.C.Path., C.Biol., F.S.Biol., a honorary doctorate in medical sciences for his lifelong work in chemical, biochemical and biological research into pigment cells, melanosomes and melanogenesis, as well as for his support of Czech science and university education.

I would like to pinpoint some more factors that considerably influenced the life of our Faculty in the past year. The Faculty management received a donation from Mrs Josefina Napravilová, who in the past helped war-stricken children find their homes and parents again, and who decided to donate the sum of 700,000 Czech crowns to the First Faculty of Medicine of Charles University. This money is destined for the best students in the first and sixth year of the Faculty. Thanks to Mrs Josefina Napravilová's generosity, the first of them could be awarded already in 2010. An extraordinary award of CZK 20,000 was given to the best first year student at the Faculty, Mr. Jaromír Přidal. The CZK 30,000 award was received by the best graduates from the sixth year of studies, Dr. Michaela Richterová, Dr. Marie Heringová, Dr. Pavel Rutar and Dr. Michal Vočka.

In May it was already for the fourth time that the L'Oreal scholarships for women in science, amounting to CZK 200,000, were awarded. These scholarships are part of the international programme For Women In Science, aiming to promote participation of women in science and research. One of the three laureates was Dr. Marie Kalbáčová from the Institute of Inherited Metabolic Disorders.

At the Czech embassy in Georgia an agreement between the First Faculty of Medicine of Charles University and the IB University in Tbilisi was signed. This project is financed by the Czech Ministry of Education within its development programme. It consists in implementation of the Czech system of undergraduate and postgraduate training in the field of addicology in the educational system of the Republic of Georgia. This is the first project ever for co-operation between the Czech Republic and Georgia in the sphere of university-level education.

Another agreement of mutual understanding was signed by the First Faculty of Medicine and A-STAR, the world prominent scientific institution in Singapore. It provides a basis for undergraduate and postgraduate students of the First Faculty of Medicine to apply for short-term scholarships and long-term scholarships respectively to cover a scientific placement in one of the institutions in Singapore. In the sphere of biomedicine the Singapore institutions rank among the best in the world and they employ top specialists.

Throughout the year, preparations and negotiations continued about the project of Albertov Campus, in which our Faculty takes part with the Faculty of Mathematics and Physics and Faculty of Science. Together with some establishments of the Academy of Sciences of the Czech Republic the Faculty took part in the BIOCEV project.

In 2010 the Faculty was the editor of the bimonthly *Folia Biologica*, the quarterly *Prague Medical Report* and the irregular series *Acta Universitatis Carolinae – Medica*.

The policy of free access to the articles from the PubMed data base, the possibility of sending in the texts in electronic form and the increase in the impact factor of the journal led to a considerable increase in the interest of authors in *Folia Biologica*. As a result, 116 articles were submitted for publication, of which 73 were rejected and 29 accepted for publication. In spite of this positive trend there was a slight decrease in the impact factor – from 1.14 in 2009 to 0.924 last year. Nevertheless the journal continues to be one of the most important periodicals dealing with cell and molecular biology in the region. The journal *Prague Medical Report* takes still more the character of a multidisciplinary

nary periodical with a clinical bias, which makes it more attractive for authors focused on clinical matters. A proof of popularity of the journal is the fact that 32 articles were sent to the editors, of which 15 were published and 4 rejected. The prize of *Prague Medical Report* was awarded to Andrej Sibat for his article *Children's Cranial Lesion from Neolithic*.

Together with the General Teaching Hospital, the First Faculty of Medicine is the editor of the journal *Nemocnice* [The Hospital], which popularizes the activities of the Hospital and the Faculty. From the coming year on, the looks of the journal will be changed and made more attractive for wide public.

The life of our Faculty in 2010 was really rich in social and professional events. The first weeks of the year were connected with such traditional events as the 122<sup>nd</sup> Prom Ball of Czech Medics, which took place in the beautiful setting of the Žofín Palace, or the Open Day of the First Faculty of Medicine of Charles University, attended by hundreds of young people interested in studies at our Faculty. Also there were a number of events and activities to commemorate various special anniversaries. Every year the Faculty experiences a higher interest from the media, concerning the Faculty's life as well as the achievements of joint clinical institutions, and an increased interest in co-operation and exchange of information. Thanks to its special activities the Faculty managed to build up a stable circle of collaborators from daily newspapers, journals, TV and radio. Together with the press department of the General Teaching Hospital we organized regular meetings with journalists on topics from a wide scope of medical disciplines and many problems of modern medicine. In 2010 there were more than 20 press conferences on topical themes, which received a rather vivid response in the media.

Notable events held in the Academic Club of the Faculty included, besides press conferences and Chair for Faust live interviews, also presentations of new books published by authors from the First Faculty of Medicine of Charles University. In 2010 they were eleven in number.

In 2010 fourteen prominent personalities of Czech and world science and some other famous people who are special to the First Faculty of Medicine accepted the invitation to be interviewed in "Chair for Faust". These included Professor Jiří Kuthan, Associate Professor Rastislav Maďar, Master artist Jiří Anderle, Associate Professor Libuše Skokanová, Professor Pavel Hamet, Professor Václav Seichert, Dr. Lubomír Houdek, Professor Cyril Höschl, Mr. Jiří Suchý, Associate Professor Zdeňka Límanová, Professor Jiří Homolka, Professor Michal Holub, Professor Hana Papežová, Professor František Perlík, and Professor Jiří Kuthan. The edition of the book containing the interviews was sponsored by Novartis, joint stock company, and Galén publishing house. It pleased me that our Faculty and General Teaching Hospital have their fans not only among the representatives of the medical profession but also among outstanding personalities from other spheres of our life, and they are still growing in number.

In 2010 the Faculty organized two concerts, the 11<sup>th</sup> and 12<sup>th</sup> within the cycle *Faculty in the heart of Karlov*, in churches in the Karlov area. The spring concert programme in St. Appolinarius church included compositions by Bohuslav Martinů and Jan Bernátek, while in the autumn a grand concert was given in St. Catherine church with the *Te Deum* by Jan Dismas Zelenka, *Magnificat D major* and *Brandenburger Concert* by Johann Sebastian Bach. The audience could enjoy the splendid performance of the Piccolo coro & Piccola orchestra, directed by Mr. Marek Valášek.

In the Holy Trinity church at Podskalí an ecumenical requiem mass took place in memory of body donors in benefit of anatomical studies. The mass was celebrated by Reverend Brother Zdeněk Susa for the Moravian Evangelic Church and Father Josef Šplíchal for the Roman Catholic Church.

In the past year the Faculty participated at a number of important presentations of universities and colleges of the country. We introduced the Faculty successfully at the GAUDEAMUS university education fair in Brno, catering for those considering undergraduate studies at the university level. Also presentation of the Faculty at the Week of Science and Technology: Variety of World and Life was a success. Our Faculty contributed with three lectures under the heading "Café in Faust House": Professor Karel Pavelka read on the topic *Biological therapy of inflammatory rheumatic diseases*, Professor Kyra Michalová presented the lecture *From classic chromosomes to FISH and chip analysis*, and Professor Jan Daneš read the lecture *Imaging techniques – a window into the human body*.

Under the auspices of the deans of the First Faculty of Medicine in Prague and Medical Faculty in Hradec Králové, an exhibition was organized in the Na Hradě gallery in Hradec Králové to present the artists who create anatomical drawings at the two faculties.

To commemorate the 160<sup>th</sup> anniversary of Franz Hofmeister, the famous scientist born in Prague, a memorial plaque by Master artist Mr. Milan Knobloch was unveiled at the building of the Institute of Scientific Information of the First Faculty of Medicine. The managements of the Faculty and General Teaching Hospital took part at the ceremony.

In 2010 the first golf tournament of the First Faculty of Medicine took place in the beautiful environment of the Golf Club in Sokolov, kindly sponsored by the industrial enterprise Sokolovské strojírný a. s.

Striving for best co-operation with the authorities of the district Prague 2, the Faculty participated in several joint activities with them, including – apart from regular events at the New Town Hall – the Children's Day in the garden of the departments of Psychiatry and Neurology of the First Faculty of Medicine and General Teaching Hospital and some more events in the area of Karlov and Albertov as well as some other sites within the district.

The staff of the First Faculty of Medicine organized a great number of professional events in 2010, of which nearly one hundred were national and international conferences and seminars. Just a few of them can be listed here: the conference on issues of vascular conditions called PRAGUEANGIO; Kukula's lecture evening: Advanced interdisciplinary co-operation; 10<sup>th</sup> Symposium of medical sciences in the Czech Republic: Medicine in students' view; European narcolepsy day; PRAGUECHO 2010 – international symposium on novelties in echocardiography, 27<sup>th</sup> Symposium of recent gastroenterology; international conference Rehabilitation and ICF; 14<sup>th</sup> international symposium Radionuclides in Nephrology; 17<sup>th</sup> Prague surgical days; Prusík's evening: Selected signs and symptoms in internal medicine; 18<sup>th</sup> Symposium of medical ethics: Ethics and the phenomenon of pain; the Congress of the Czech Society of Otorhinolaryngology and Head and Neck Surgery; European conference of transaction analysis; Atherosclerosis 2010 – diagnosis, treatment, prevention in childhood and adulthood; Eva Sedláčková's National phoniatic days; 8<sup>th</sup> Czechoslovak congress of phoniatics; Šikl's evening: A pathologist's role in recent diagnosis of infectious diseases; 27<sup>th</sup> Congress of Czech and Slovak allergists and clinical immunologists; 3<sup>rd</sup> Annual conference of European Urogynaecologic Society; 3<sup>rd</sup> National congress of Czech Society for Thrombosis and Haemostasis of the Czech Medical Society of J. E. Purkinje; Annual congress of the Society for Exploitation of Lasers in Medicine of the Czech Medical Society of J. E. Purkinje; 7<sup>th</sup> Trilateral Czech-Slovak-Polish symposium of oral and maxillofacial surgery and 1<sup>st</sup> National congress of the Society of Maxillofacial Surgery; The Functional Organization of the Cell Nucleus Symposium; Wiki-conference – participation together with Wikimedia, Foundation, Wikinomie SEB; Annual Meeting Czechoslovak symposium, held by medical, hyperten-

sion and cardiologic associations of the Czech Republic and Slovak Republic; and many others.

On the occasion of personal jubilees, conclusions of the terms in office and retirements, or on the occasion of international conferences attended by specialists linked with our faculty, sixteen Memorial Medals of the First Faculty of Medicine of Charles University and 55 Faculty diplomas of honour were awarded. The Memorial Medals were awarded to the following: Prof. Jan Daneš, Prof. Rastislav Druga, Prof. Roland Foisner, Prof. Jiří Homolka, Assoc. Prof. Zuzana Jirsová, Prof. Josef Koutecký, Assoc. Prof. Miloš Ledvina, Prof. Bohuslav Ošťádal, Prof. František Perlík, Prof. Ivan Raška, Prof. Luboslav Stárek, Prof. Jan Štěpán, Prof. Karel Trnavský, Prof. Karel Vrtička, Prof. Jan Vymětal and Prof. Jiří Zeman.

The Faculty diplomas of honour were awarded to Assoc. Prof. Svatopluk Adámek, Mr. Jakub Albrecht, Mr. Lukáš Bajer, Dr. Štěpánka Bálková, Assoc. Prof. Petr Bartůnek, Prof. Jiří Beneš, Prof. Jan Borovanský, Prof. Petr Broulík, Dr. Jan Bruthans, Dr. Jan Bříza, Assoc. Prof. Petru Cieslar, Prof. Miroslav Červinka, Prof. Richard Češka, Assoc. Prof. František Faltus, Ms Eliška Feltlová, Assoc. Prof. Eva Havrdová, Dr. Marek Hilšer, Dr. Martin Holcát, Ms Suzann Hutt, Assoc. Prof. Karel Hynek, Mr. Jakub Chmelo, Prof. Jeffrey R. Idle, Assoc. Prof. Milan Kaláb, Assoc. Prof. Jana Kamínková, Dr. Martin Klein, Dr. Aneta Krajcová, Assoc. Prof. Boris Kreuzberg, Prof. Zdeněk Krška, Prof. Ján Ležovič, Assoc. Prof. František Lopot, Assoc. Prof. Ivan Matouš-Malbohan, Prof. Alois Martan, Mr. Oliver Nosek, Prof. Pavel Paško, Assoc. Prof. Alexander Pilin, Prof. Rudolf Poledne, Assoc. Prof. Pavla Poučková, Assoc. Prof. Jaroslav Prokeš, Mr. Roger Jones, Ms Michaela Romeová, Prof. Vratislav Rybka, Prof. Zdeněk Seidl, Prof. Karel Smetana sr., Prof. Josef Stingl, Prof. Přemysl Strejc, Dr. Štěpán Sulek, Assoc. Prof. Jana Süssová, Assoc. Prof. František Šmíd, Dr. Pavel Šnajdr, Dr. Tomislav Švestka, Prof. Jiří Tichý, Prof. Marek Trněný, Assoc. Prof. Zdeněk Vilikus, Prof. Vladimír Vonka.

To the proposal by the management of the First Faculty of Medicine, Prof. Václav Hampl, the Rector of Charles University, honoured Prof. Soňa Nevšimalová, Prof. Jiří Kraml, Assoc. Prof. Ludmila Hlaváčková, Prof. Jaroslav Blahoš, Prof. Pavel Paško with the Gold Memorial Medals of Charles University, and Prof. Josef Syka with the Silver Memorial Medal on the occasion of their important personal jubilees and in acknowledgement of their contribution to development of the University.

The Dean of the First Faculty of Medicine, Prof. Tomáš Zima, was honoured for his contribution to life-long education by the President of the Czech Medical Chamber Dr. Milan Kubek in the historic Břevnov Monastery.

The prize of the Ministry of Education, Youth and Sports for science and research was awarded to Prof. Karel Smetana, jr., for his research into stem cells to treat tumour conditions. The results of his research in this sphere have been patented and now they are used in biological treatment of tumours.

We all celebrated important jubilees in the lives of the following academic staff members, who had connected their professional careers with the Faculty and contributed to its reputation. These are the following: Prof. Ctirad John, Assoc. Prof. Marie Balíková, Prof. PhDr. Milada Říhová, Assoc. Prof. Zuzana Jirsová, Assoc. Prof. Jana Süssová, Assoc. Prof. František Šmíd, Assoc. Prof. Viktor Kožich, Assoc. Prof. Bohumil Seifert, Assoc. Prof. Petr Cieslar, Dr. Jaroslava Drechslerová, Prof. Renata Cífková, Prof. Jan Daneš, Assoc. Prof. Zdeněk Vilikus, Assoc. Prof. RNDr. Pavla Poučková, Assoc. Prof. Vladislav Mareš, Prof. Soňa Nevšimalová, Prof. Jiří Kraml, Prof. RNDr. Ivan Raška, Prof. Marek Trněný, Assoc. Prof. Pavla Doležalová, Prof. Josef Prchal, Prof. PhDr. Jan Vymětal, Assoc. Prof. Jana Kamínková, Assoc. Prof. Věra Klenerová, Assoc. Prof. Ludmila Hlaváčková, Assoc. Prof. Ivan Špička, Assoc. Prof. Kamil Kalina, Prof. Hana Kovářů, Prof. Pavel Paško, Prof. Jan Štěpán, Prof. Jaroslav Živný, Prof. Jan Bartoníček, Assoc. Prof. Eva Havrdová, Assoc. Prof. Lubomír Kukla, Prof. Jiří Homolka, Assoc. Prof. Karel Hynek, Assoc. Prof. Alexandr Pilin, Prof. Zdeněk Seidl, Prof. František Perlík, Assoc. Prof. Michal Semrád, Assoc. Prof. ing. František Lopot, Prof. Jiří Zeman, Assoc. Prof. Svatopluk Adámek, Prof. Jaroslav Pokorný, Assoc. Prof. Vladimír Holáň, Assoc. Prof. Milan Kaláb, Prof. Rastislav Druga, Assoc. Prof. Ján Bednár, and Assoc. Prof. Miroslav Zeman.

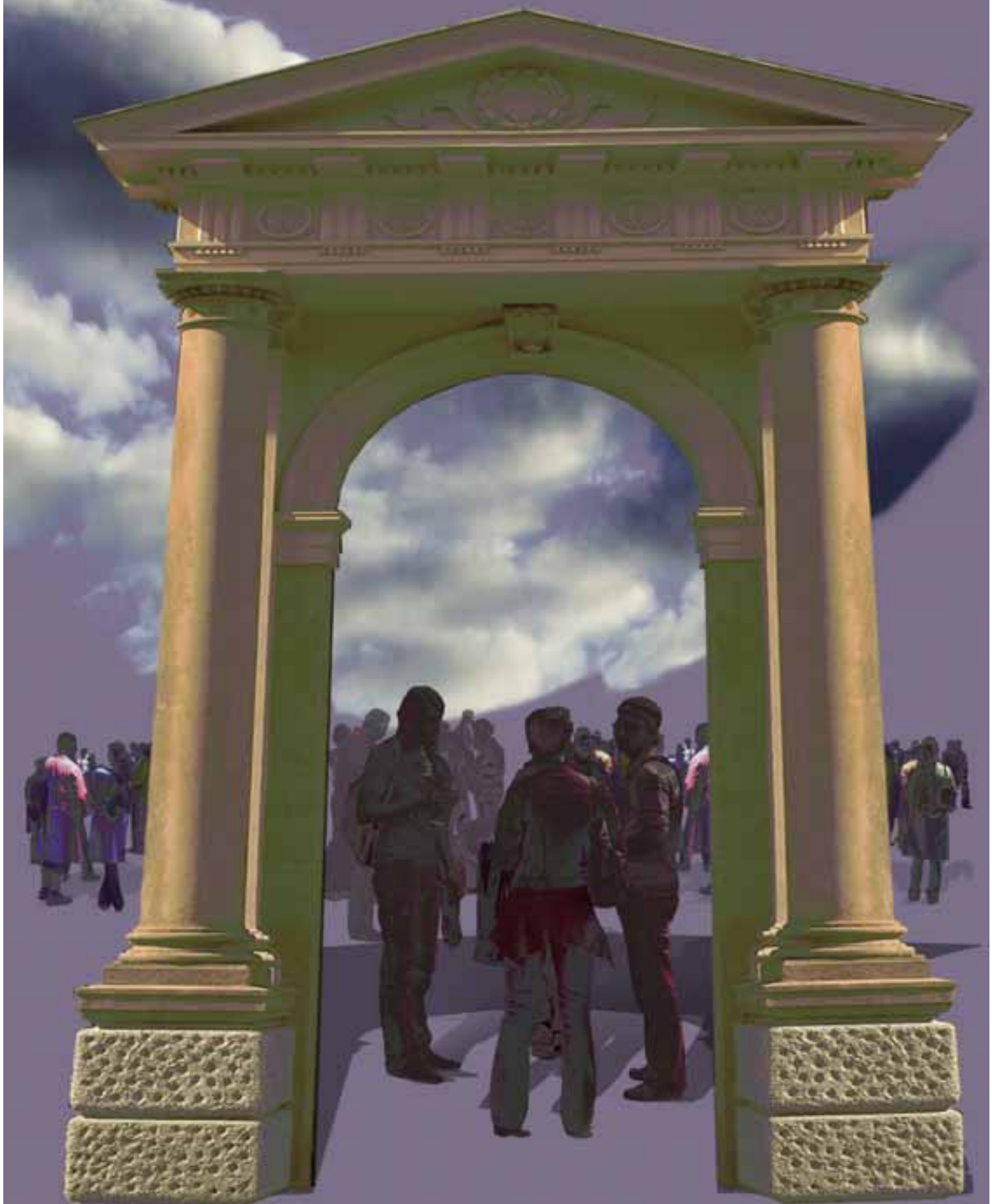
Alas, in 2008 our academic community, friends and colleagues, had to farewell several outstanding physicians and teachers. Among those who left our academic community forever were Prof. Josefa Bohutová, Prof. Zdeněk Mařatka, Prof. Helena Rašková Dr.h.c., Master artist Milan Med, Dr. Ladislav Novotný, and Assoc. Prof. Jana Kamínková.

In terms of economics, the year 2010 ended well for the Faculty, while at the beginning of 2011 we are facing some uncertainty in how much finance the Faculty will be able to win from its educational and above all scientific activity, and how much finance will be available to invest in its development.

Thank you all, my colleagues – teachers, scientists, students and staff of the First Faculty of Medicine of Charles University, for your demanding work and intensive work done in 2010, as well as to all the friends, supporters and patrons of our faculty for their friendship and support. We are going to continue the direction adopted to redevelop our beautiful Faculty and to materialize our vision of the Faculty as one that is top-level, friendly and open.

*Prof. MUDr. Tomáš Zima, DrSc., MBA  
Dean of the Faculty*

# ACADEMIC SENATE



## ACADEMIC SENATE

In 2010 the Senate held nine regular sessions. These took place on 18<sup>th</sup> January, 15<sup>th</sup> March, 12<sup>th</sup> April, 10<sup>th</sup> May, 7<sup>th</sup> June, 4<sup>th</sup> October, 29<sup>th</sup> November and 13<sup>th</sup> December. That year was the last of the three-year term in office for the Senate that arose from the 2007 election.

At the beginning of the year the Senators were occupied with the discussion about the Faculty's internal regulations. To the proposals of the Dean and initiatives of some Senators, some particular amendments to the Rules of Election and Procedure of the Academic Senate, Rules for Organization of Studies, and Rules for Granting Scholarships. The amendments adopted were subsequently approved on by the Academic Senate of Charles University.

Further the Senate dealt with the Final report on evaluation of the tuition and discussed the 2010 budget of the Faculty. Following the affirmative judgement of the Economic Board of the Senate, the budget was approved on without any substantial comments.

On the occasion of application for accreditation of the Master degree study programme of General Medicine detailed discussion

was held concerning the new form of the curriculum for the programme. The content matter of the curriculum was not only discussed in the session of the Academic Senate but the Senators had the chance to comment on it during the working meetings to prepare the document. In 2010 the Senate also dealt with the proposals for re-accreditation of the Bachelor degree programmes of Nutritional Therapy and Addictology as well as the Master degree programme of Medical Psychology.

Within the regular agenda, the Dean's Order came to specify the amount of bursaries granted for outstanding progress in studies. The management of the Faculty submitted a proposal to keep the amounts at the past year's level. The discussion mainly concerned the principles of re-distribution of the money among particular study programmes.

Completely new to the Academic Senate was the issue of principles of distribution of money for scientific activity at the Faculty. It was the Dean who initiated the discussion, in connection with the cessation of research concepts and introduction of some completely new rules of allotting the funds for science on the national scale.



*MUDr. Bc. Marek Hilšer*

*Chairman of the Academic Senate of the First Faculty of Medicine of Charles University in Prague (until 12<sup>th</sup> December 2010)*



*prof. MUDr. Přemysl Strejc, DrSc.*

*Chairman of the Academic Senate of the First Faculty of Medicine of Charles University in Prague (since 13<sup>th</sup> December 2010)*

Extensive extra agenda for the Academic Senate in the last quarter of 2010 was organization of the new Senate election for the term of 2010–2013. In the rules there was a novelty compared to the past elections, as now a ballot could be placed in any of the six polling stations. In other words, every member of the academic community was now free to vote in a polling station of his or her choice. This undoubtedly means a better access to the polling station for many students and teachers. This principle could be introduced thanks to exploitation of new technology and partial computerization of the election. We owe many thanks for the successful organization of the election to members of electoral commissions and the main organizers, Dr. Petr Kocna and Dr. Pavel Šnajdr, who did a great deal of work organizing the event.

The turn of 2011 was marked with the dramatic atmosphere about the physicians' protests. The Academic Senate of the Faculty, like in the past years, did not hesitate to express freely on the social issues, clearly pronouncing their support to the protesting medical professional community. The critical situation required clear statements of attitudes of many health professionals, prominent doctors and politicians. Many members of our academic community proved worthy in the situation.

Thanks to all students, teachers and other staff of the Faculty for their work for the benefit of our *alma mater* and wish them a lot of success in professional and personal life in 2011.

*MUDr. Bc. Marek Hilšer  
Outgoing Chairman of the Academic Senate  
of the First Faculty of Medicine of Charles University*



*The ceremony of re-opening of the building of the First Faculty of Medicine at 32 Kateřinská was attended by the Minister of Education, Youth and Sports of the Czech Republic Mr. Josef Dobeš, here (middle) exploring the Department of Stomatology of the First Faculty of Medicine and the General Teaching Hospital.*



*Minister of Education, Youth and Sports of the Czech Republic Mr. Josef Dobeš (middle), Prof. Tomáš Zima (second left) and the Rector of Charles University in Prague Prof. Václav Hampel (second right) exploring the beautiful renovated premises of the First Faculty of Medicine at 32 Kateřinská.*

# MANAGING DIRECTOR OF THE GENERAL TEACHING HOSPITAL





## DIRECTORS OF THE GENERAL TEACHING HOSPITAL

Dear partners, teachers, students and supporters of the First Faculty of Medicine of Charles University, dear colleagues,

The end of the past year was marked by the 220<sup>th</sup> anniversary of the General Teaching Hospital in Prague, and the co-operation between the Hospital and the First Faculty of Medicine dates back to the same time. On 1<sup>st</sup> December 1790, the first building of the General Hospital in Prague was open as a facility for patients from the whole province. From its very beginning the hospital served as a training base for the Medical Faculty of the University – whose name was “Charles-and-Ferdinand University” at that time. This long-standing co-operation left a great impression on the two establishments and ever since has had beneficial effects on both the school and hospital.

Until mid-July, Dr. Dana Jurásková served in the Government as the Minister of Health. Meanwhile Dr. Jan Bříza was in charge of

the management as the acting director of the General Teaching Hospital in Prague.

Also in 2010 the whole economy of the Czech Republic and European Union experienced the difficult time of depression, which came delayed in the sphere of health care as the services are financed from the health insurance. For this reason the General Teaching Hospital was not affected so much in 2009 but more in 2010, and the impact to come in the next year will most probably be considerable as well. In general the economic balance of the Hospital came out positive, amounting to CZK 5,010,033.88 with the turnover at 6,803,352,817.18 Czech crowns.

As a big health care facility concerned with medical education as well, the General Teaching Hospital cannot just live on tradition, remembering the times of its origin, although its buildings bear a witness of the turns of times that the Hospital has experienced. However, the aim of all the staff is to provide diagnostic

and therapeutic care at a level appropriate to our time. In many cases then the teams of our institutes and clinical departments, making use of the synergic effect of the close co-operation between the General Teaching Hospital and the First Faculty of Medicine, direct the aspirations of Czech medical science. On 12<sup>th</sup> January 2010 we recorded the 1,000<sup>th</sup> transplantation of haemopoietic cells at the 1<sup>st</sup> Medical Department, and in March we met the 5,000<sup>th</sup> client at the detoxication ward of the Centre for Treatment of Addictions in Apolinářská Street. Eventually in November we commemorated the 40<sup>th</sup> anniversary of the first revascularization of the heart with the first aortocoronary bypass in Czechoslovakia, performed by Professor Lichtenberg at the 1<sup>st</sup> Surgical Department.

In spite of the difficult economic situation we continued furnishing the Hospital with new technology and renovating its premises. The tradition of haemodialysis treatment, originating in 1960s, is now appropriately continued by the modern dialysing centre at Faust House, opened in January 2010. In the same month we introduced the new Holovic Selenia mammographic technology at the V. Polak Diagnostic Centre for Breast Conditions. In June we had a nice experience, handing in the donations for the Department of Paediatrics and Adolescent Medicine by the charity Life for Children. These were the Giraffe Omnibed incubator, nasal CPAP system and Oxylog 3000 transport lung ventilator. Considering the previous years too, this charity has donated technology worth more than CZK 20,000,000 for



*Mgr. Dana Jurásková, Ph.D., MBA  
Managing Director of the General Teaching Hospital in Prague*

the Department of Paediatrics and Adolescent Medicine. So we say thank you very much on behalf of our little patients. On 1<sup>st</sup> December a special ceremony took place to celebrate the 220<sup>th</sup> anniversary of the Hospital, with the Minister of Health Assoc. Prof. Leoš Heger and many other special guests, and the nicest birthday cake for us was the new workplace at the Institute of Nuclear Medicine, equipped with PET CT and SPECT CT cameras, which was opened on 15<sup>th</sup> December. The traditional Christmas concert then marked the opening of the new facility for children's urologic care on 20<sup>th</sup> December.

Nonetheless, not only the buildings and equipment set the character of a hospital and its activity. Above all it is its staff, specialists of all trades, organization and style of work. We cannot imagine the modern time without recent computer technology, which has proved a worthy helper and no more is considered a useless fetish by anyone. In May we presented the results of the pilot project of fully electronic health care documentation that complies with the valid legal regulations. This enabled the use of electronic signatures in a hospital. This way the General Teaching Hospital in Prague became the first health care facility in the Czech Republic that is able to keep all the records electronically.

Another important aspect in the operation of every business, let alone a hospital, is a system of quality control. During the year, more audits for accreditations and re-accreditations were in process in the laboratories of the Hospital. Of much importance was the certificate of accreditation for the biochemical laboratory of the Institute of inherited metabolic disorders. All clinical laboratories of biochemical, haematological or microbiological profile in the General Teaching Hospital as well as the Metrologic Centre and doping control laboratory possess accreditations according to ISO 15189 or 17025 standards. Also the activities directed towards preparations of the Hospital for accreditation at the United Accreditation Commission of the Czech Republic continued.

In the Hospital, the project was carried on within the ESF programme. Under the Operating programme Prague – Adaptability the following projects were implemented: St. Catherine Garden – protected workplace and integrating centre in the General Teaching Hospital, and Educative Academy – development and innovation of the system of further professional education in the General Teaching Hospital in Prague.

Another project implemented in the General Teaching Hospital, financed from the Norwegian financial scheme, the budget of the Ministry of Health and the budget of the Hospital, is construction of the Centre of Comprehensive Care for children with perinatal stress.

In the sphere of science and research, co-operation in implementation of a great number of grant projects continued, shared with the First Faculty of Medicine of Charles University or specifically allotted to the General Teaching Hospital. Also co-operation in other health care establishments, hospitals as well as institutes of the Academy of Sciences of the Czech Republic continued. The results of 2010 again proved the leading position of the First Faculty of Medicine and General Teaching Hospital in the sphere of biomedical research in the Czech Republic.

In the past year we succeeded in many things in the General Teaching Hospital. Let us wish that in 2011 (in spite of the much feared economic depression) we may manage to renovate more of our premises and do more improvements for our patients, staff and students. This should include launching the project of re-vitalization of the General Teaching Hospital, presented in the autumn of 2010. Let us hope that even in the worsened economic situation 2011 will be a successful year for both the General Teaching Hospital and the First Faculty of Medicine as well as for their patients, staff and students.

*MUDr. Jan Bříza, CSc., MBA*

*Acting Director (until 15<sup>th</sup> August 2010)*

*Mrs. Dana Jurásková, PhD., MBA*

*Managing Director of the General Teaching Hospital in Prague*

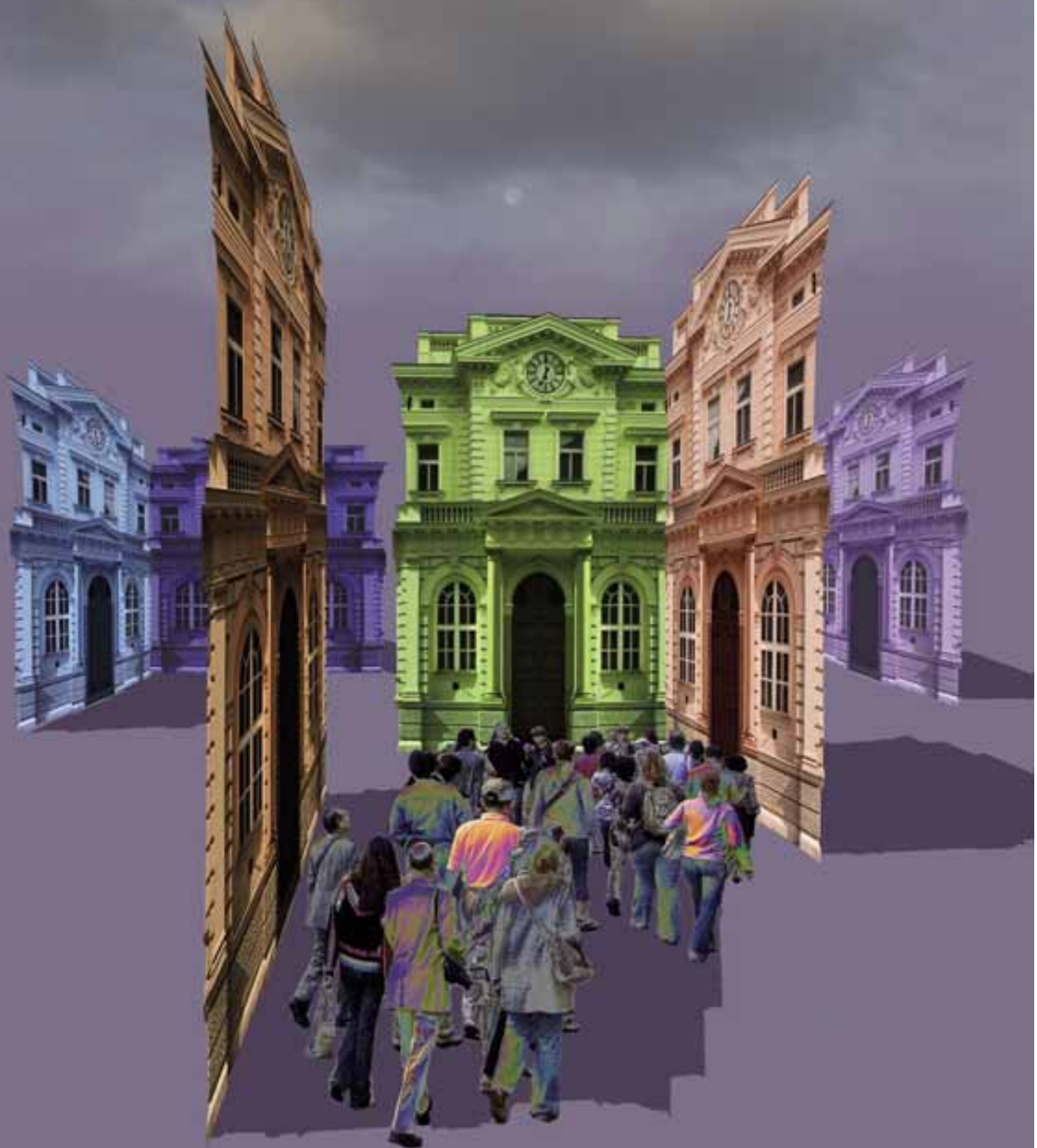


*Minister of Education, Youth and Sports of the Czech Republic Mr. Josef Dobeš and Prof. Tomáš Zima exploring the building at 32 Kateřinská.*



*Minister of Education, Youth and Sports of the Czech Republic Mr. Josef Dobeš and Prof. Tomáš Zima exploring the building at 32 Kateřinská.*

# MANAGEMENT



## FIRST FACULTY OF MEDICINE – MANAGEMENT

Dean: prof. MUDr. Tomáš Zima, DrSc., MBA

**DEAN'S OFFICE BOARD****Vice-Deans:**

prof. MUDr. Jana Dušková, DrSc., MBA  
Vice-Dean for Education and Stomatology / Dentistry  
prof. MUDr. Tomáš Hanuš, DrSc.  
Vice-Dean for Clinical Education and Postgraduate Studies  
prof. MUDr. Otomar Kittnar, CSc., MBA  
Vice-Dean for International Students and Social Affairs  
prof. MUDr. Aleš Linhart, DrSc.  
Vice-Dean for Outward Relations  
doc. PhDr. Michal Miovský, Ph.D.  
Vice-Dean for Non-Medical Study Programmes  
prof. MUDr. Aleksi Šedo, DrSc.  
Vice-Dean for Grant Projects and Development of the Faculty  
doc. MUDr. Martin Vokurka, CSc.  
Vice-Dean for Theoretical and Pre-Clinical Education  
prof. MUDr. Aleš Žák, DrSc.  
Vice-Dean for Scientific Activities

**Members of Dean's Office Board**

doc. MUDr. Petr Bartůněk, CSc.  
prof. MUDr. Jan Betka, DrSc.  
MUDr. Jan Bříza, CSc., MBA (in lieu of Ms Dana Jurásková, Ph.D., until 13 June 2010)  
Mgr. Dana Jurásková, Ph.D., MBA (since 13 June 2010)  
MUDr. Bc. Marek Hilšer (until 13 December 2010)  
prof. MUDr. Alois Martan, DrSc.  
prof. MUDr. Jiří Mazánek, DrSc.  
prof. MUDr. Karel Smetana, DrSc.  
Ing. Eva Soubustová, MBA  
prof. MUDr. Jan Škrha, DrSc., MBA  
prof. MUDr. Stanislav Štípek, DrSc.

**COMPOSITION OF THE ACADEMIC SENATE  
2007–2010**

Chairman: MUDr. Marek Hilšer  
Vice-Chairman: prof. MUDr. Přemysl Strejč, DrSc.

**Teachers' representatives:**

doc. MUDr. Petr Bartůněk, CSc.  
prof. MUDr. Jan Borovanský, CSc.  
prof. MUDr. Petr Broulík, DrSc.  
MUDr. Jan Bříza, CSc., MBA  
prof. MUDr. Richard Češka, CSc.  
doc. MUDr. Eva Havrdová, CSc.  
MUDr. Martin Holcát, CSc., MBA  
doc. MUDr. Zdeněk Krška, CSc.  
prof. MUDr. Alois Martan, DrSc.  
doc. MUDr. Ivan Matouš-Malbohan, CSc.  
prof. MUDr. Pavel Pařko, DrSc.  
prof. MUDr. Přemysl Strejč, DrSc.  
MUDr. Tomislav Švestka, CSc.  
prof. MUDr. Jiří Tichý, DrSc.  
doc. MUDr. Marek Trněný, CSc.

**Students' representatives:**

Jakub Albrecht  
MUDr. Štěpánka Bálková (since 12 Oct 2009)  
prof. MUDr. RNDr. Jiří Beneš, CSc.  
MUDr. Jan Bruthans  
Eliška Feltlová  
MUDr. Bc. Marek Hilšer  
Suzanna Hutt  
Jakub Chmelo  
MUDr. Martin Klein  
MUDr. Aneta Krajčová (since 16 Mar 2009)  
Jonathan Menon (until 12 Oct 2009)  
Kamál Mezian (until 12 Oct 2009)  
Oliver Nosek  
Michaela Romerová  
Pavel Rutar  
MUDr. Štěpán Sulek (since 12 Oct 2009)  
MUDr. Pavel Šnajdr  
Pavčina Zborníková (until 16 Mar 2009)

**COMPOSITION OF THE ACADEMIC SENATE FOR  
THE TERM OF 2010–2013**

Chairman: prof. MUDr. Přemysl Strejč, DrSc.  
Vice-Chairman: Michaela Romerová

**Teachers' representatives:**

doc. MUDr. Petr Bartůněk, CSc.  
prof. MUDr. Petr Broulík, DrSc.  
MUDr. Jan Bříza, CSc., MBA  
MUDr. Vilém Danzig, PhD.  
prof. MUDr. Milan Elleder, DrSc.  
prof. MUDr. Pavel Klener, DrSc.  
prof. MUDr. Zdeněk Krška, CSc.  
MUDr. Jan Kunstýř, PhD.  
doc. MUDr. Jaroslav Lindner, CSc.  
prof. MUDr. Alois Martan, DrSc.  
prof. MUDr. Pavel Pařko, DrSc.  
prof. MUDr. Karel Smetana, DrSc.  
prof. MUDr. Přemysl Strejč, DrSc.  
MUDr. Tomislav Švestka, CSc.  
MUDr. Jan Živný, PhD.

**Students' representatives:**

Lukáš Bajer  
Michal Dianiška  
Miroslav Důra  
MDDr. Eliška Feltlová  
Adéla Furmáňková  
Paris Charilaou  
Juraj Kobylák  
Jana Mašková  
doc. MUDr. Ondřej Naňka, PhD.  
Jan Philipp Novotný  
Michaela Romerová  
Jakub Studený  
Magdaléna Švrčková  
František Vaňásek  
Michal Žižga

**SCIENTIFIC BOARD**

Chairman: prof. MUDr. Tomáš Zima, DrSc., MBA  
 prof. MUDr. Vladimír Bencko, DrSc.  
 prof. MUDr. Vladimír Beneš, DrSc.  
 prof. MUDr. Jan Betka, DrSc.  
 prof. MUDr. Jan Daneš, CSc.  
 prof. MUDr. Pavel Dungal, DrSc.  
 prof. MUDr. Jana Dušková, DrSc., MBA  
 prof. MUDr. Jan Dvořáček, DrSc.  
 prof. Ing. Jan Evangelista Dyr, DrSc.  
 doc. MUDr. Jaroslav Feyereisl, CSc.  
 prof. MUDr. Miloš Grim, DrSc.  
 doc. MUDr. Petr Hach, CSc.  
 prof. MUDr. Zdeněk Hájek, DrSc.  
 prof. MUDr. Tomáš Hanuš, DrSc.  
 prof. MUDr. Jiří Homolka, DrSc.  
 prof. MUDr. Otomar Kittnar, CSc., MBA  
 prof. MUDr. Pavel Klener, DrSc. (do 13. 12. 2010)  
 prof. MUDr. Jiří Mazánek, DrSc.  
 prof. MUDr. Emanuel Nečas, DrSc.  
 prof. MUDr. Soňa Nevšimalová, DrSc.  
 prof. MUDr. Karel Pavelka, DrSc.  
 prof. MUDr. Daniela Pelclová, CSc.  
 prof. MUDr. František Perlík, DrSc.  
 prof. MUDr. Luboš Petruželka, CSc.  
 prof. MUDr. Ctibor Povýšil, DrSc.  
 prof. MUDr. Jiří Raboch, DrSc.  
 prof. MUDr. Evžen Růžička, DrSc.  
 prof. PhDr. Milada Říhová, CSc.  
 prof. MUDr. Antonín Sosna, DrSc.  
 prof. MUDr. Štěpán Svačina, DrSc., MBA  
 prof. MUDr. Stanislav Štípek, DrSc.  
 prof. MUDr. Jiří Štork, CSc.  
 doc. MUDr. Jan Šváb, CSc.  
 prof. MUDr. Vladimír Tesař, DrSc., MBA  
 doc. MUDr. Marek Trněný, CSc. (since 13 December 2010)  
 prof. MUDr. Jiří Zeman, DrSc.  
 prof. MUDr. Aleš Žák, DrSc.

**External members of the Scientific Board**

MUDr. Pavel Bém  
 RNDr. Martin Bilej, DrSc.  
 plk. MUDr. Štefan Brunclík, MBA (until 30 October 2010)  
 prof. MUDr. Evžen Čech, DrSc.  
 doc. Ing. Petr Dvořák, CSc. (since 1 November 2010)  
 doc. MUDr. Vojtěch Hainer, CSc.  
 prof. RNDr. Helena Illnerová, DrSc.  
 prof. RNDr. Milan Kodíček, CSc.  
 prof. Ing. Svatava Konvičková, CSc.  
 doc. MUDr. Jan Malý, CSc.  
 prof. MVDr. Ivan Míšek, CSc.  
 RNDr. Šárka Němečková, DrSc.  
 doc. MUDr. Josef Podstata, DrSc.  
 prof. Ing. Rudolf Poledne, CSc.  
 prof. Ing. Miloslav Suchánek, CSc.  
 prof. MUDr. Josef Syka, DrSc.  
 prof. Ing. Karel Ulbrich, DrSc.  
 doc. MUDr. Jan Veverka, CSc.  
 prof. Ing. Jiří Witzany, DrSc.

**Foreign honorary members of the Scientific Board**

Eugene Garfield, Ph.D.  
 prof. Dr. Josef Kadlec, S.J.  
 prof. Dr. Jan Klášterský  
 MUDr. Tomáš Klíma, CSc.  
 prof. Dr. Gérard Michel London  
 prof. Dr. Jiří Městecký  
 prof. Dr. Přemysl Poňka  
 prof. Dr. Josef T. Prchal  
 prof. Dr. Alexandr Schirger  
 prof. Dr. Emil Skamene  
 prof. MUDr. Adolf Stafel, Ph.D.  
 prof. Dr. Pavel Hammet



*The Dean of the First Faculty of Medicine Prof. Tomáš Zima was honoured with a special prize of the Czech Medical Chamber for contribution to life-long education. The prize was presented by the President of the Chamber Dr. Milan Kubek in the historic Břevnov Monastery.*



*In the spring of 2010 the Dean of the First Faculty of Medicine Prof. Tomáš Zima received a financial donation from Mrs Josefina Napiřilová (in the photo) for the Faculty. From the fund, first students received awards for extraordinary achievements in studies. Extraordinary awards of CZK 20,000 were given to Dr. Michaela Richterová, Dr. Marie Heringová, Mr. Jaromír Přidal, Dr. Pavel Rutar (left) and Dr. Michal Vočka (right).*

# ORGANIZATIONAL CHANGES





## ORGANIZATIONAL CHANGES AND COMPOSITION OF THE STAFF

Development of the number of the academic staff in 2008 (actual and converted to full-time positions) is documented in the chart and diagrams. A favourable trend is obvious both in qualifications and ages. In several organization units of the Faculty there have been changes at the posts of the Heads, based on regular competition.

### DEVELOPMENT PROGRAMMES

Of extensive renovations, at least those of the Dean's Office buildings at 32 Kateřinská and 3 Na Bojišti, and of the building at 4 U Nemocnice should be mentioned, where the redevelopment was completed. The buildings were equipped to meet the requirements of modern teaching and scientific research as well as management of all the agenda dealt with by the Dean's Office staff. Further efforts of the Faculty were therefore focused on preparation and implementation of minor adjustments and renovations in particular buildings of the Faculty, such as the development of the premises of the Institute of Histology, particularly its workplaces for microscopy, which improve the scope and quality of modern teaching in the field. Other developments included renovations at particular clinical departments, upgrading of lecture rooms, scientific and training laboratories etc.

Throughout the year 2010, intensive preparations of the project for the Albertov campus were carried on in co-operation with the Faculty of Natural Science and Faculty of Mathematics and Physics. In co-operation with the Rector's Office of Charles University, analysis of funding possibilities for the project is being done, technical documentation prepared, scientific definition of the project performed, details of right in property resolved etc. Particularly the Biocentre of the Campus project is a factor of much importance for the Faculty, considering the vicinity of its clinical base represented by the premises of the General Teaching Hospital, which in many cases are an indispensable part of our biomedically oriented projects.

The First Faculty of Medicine, together with the Faculty of Natural Science of Charles University and six institutes of Academy of Sciences of the Czech Republic, takes part in preparation of the extensive project for the Vestec Biotechnological Centre – BIOCEV. The goal of our participation in the project, included in the EC programme Research and Development for Innovation – the axis European Centres of Excellence, is to create the technological base that will be necessary for top-level science as performed by the teams of researchers from the First Faculty of Medicine of Charles University. Following the demanding process of preparations and negotiations with the provider, the application was placed in Brussels in December 2010.

*Prof. MUDr. Aleksi Šedo, DrSc.  
Vice-Dean for Grant Projects and Development of the Faculty*

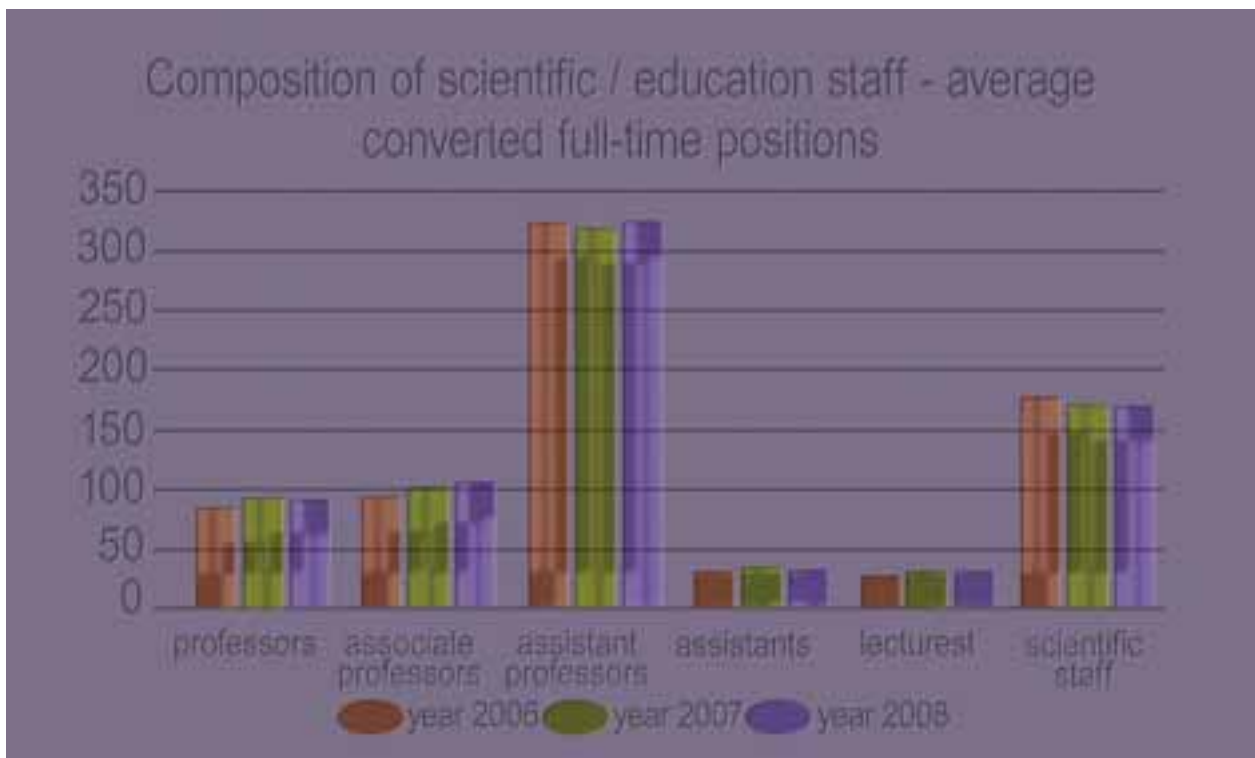
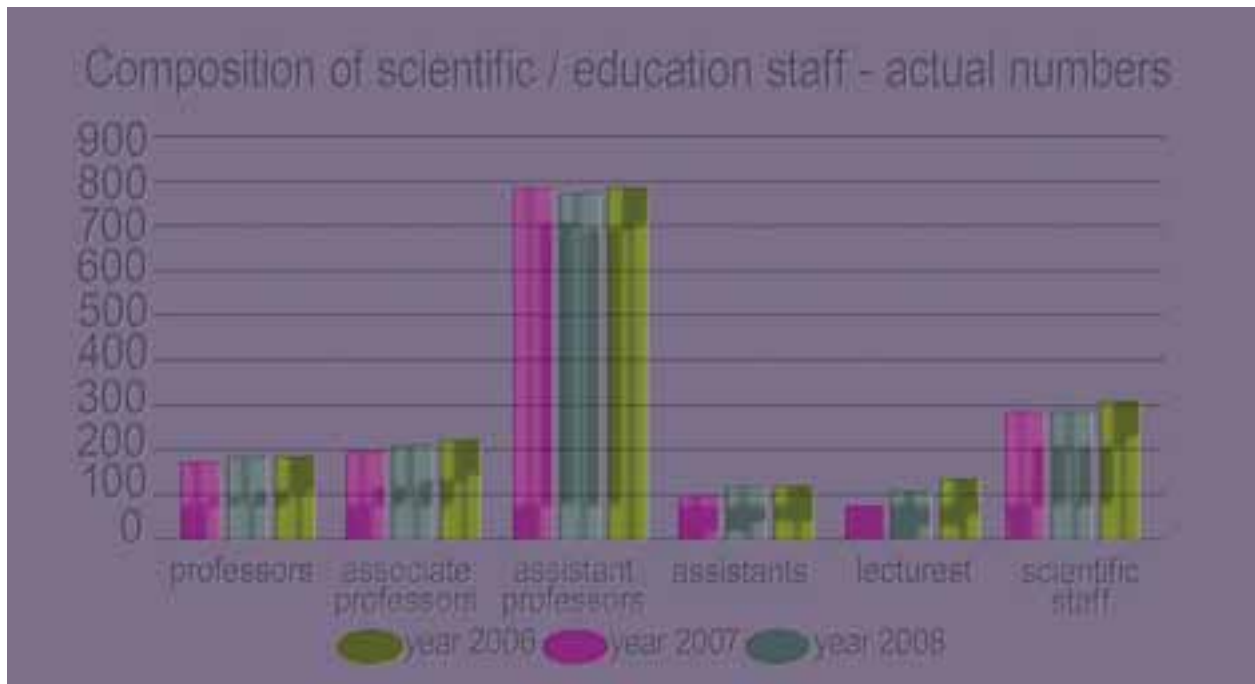
Survey of changes in the Heads' posts in organization units in 2010

Organization unit	New Head
2 <sup>nd</sup> Surgical Department – Department of Cardiovascular Surgery	Doc. MUDr. Jaroslav Lindner, CSc.
3 <sup>rd</sup> Surgical Department at the Teaching Hospital Motol	Doc. MUDr. Robert Lischke, Ph.D.
Institute of Pharmacology	Doc. MUDr. Ondřej Slanař, Ph.D.

Number of scientific and educational staff between 2008 and 2010

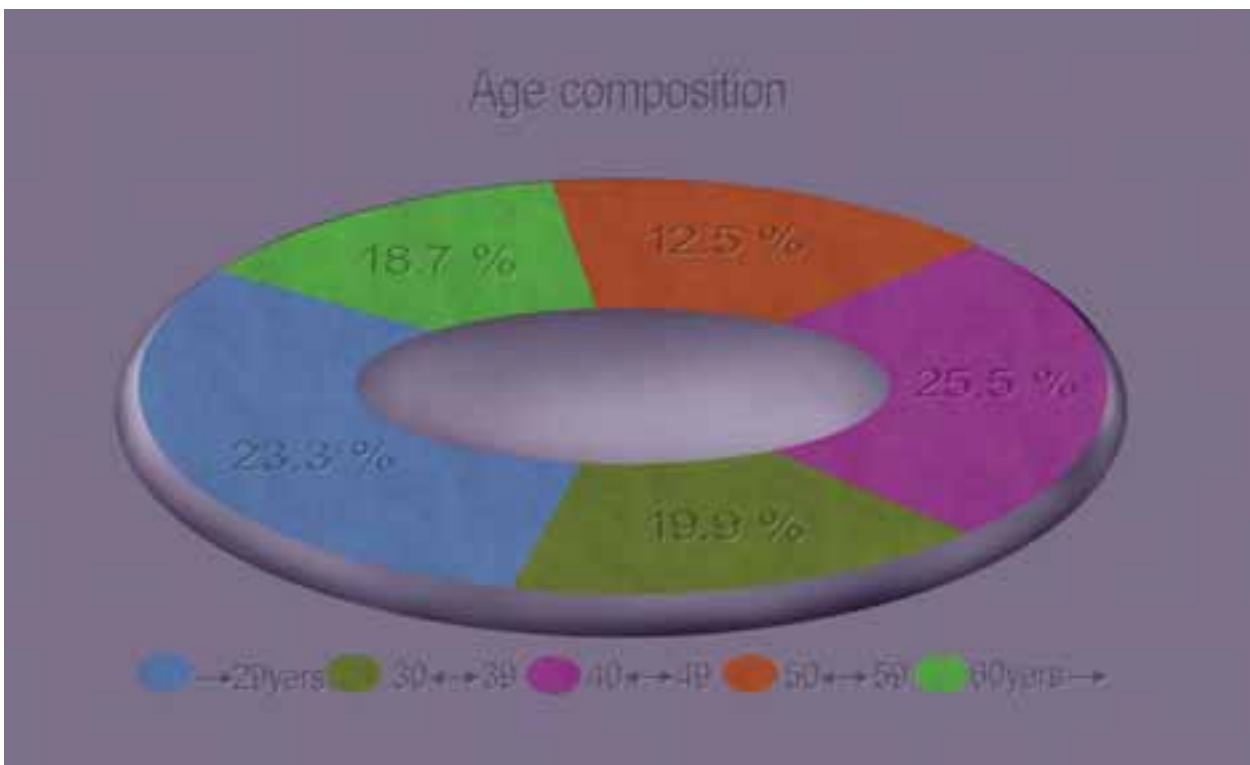
	2008		2009		2010	
	actual number of staff	average converted full-time positions	actual number of staff	average converted full-time positions	actual number of staff	average converted full-time positions
total	1,515	731.656	1,552	733.293	1,603	742.748
professors	120	82.502	124	87.298	127	88.224
associate professors	163	103.608	169	108.758	175	109.367
assistant professors	775	318.678	763	312.469	781	321.807
assistants	98	29.165	106	31.648	104	31.115
lecturers	75	26.895	111	27.663	126	28.722
research staff	284	170.808	279	165.457	290	163.513

Actual numbers are always given by 31 December of the respective year.



Survey of age composition of staff in 2010

Age	Percentage
under 29 years	12.52
30–39 years	25.54
40–49 years	19.90
50–59 years	23.30
60 years and above	18.74



## APPOINTMENT OF PROFESSORS AND ASSOCIATE PROFESSORS IN 2010

In 2010 the Scientific Board of the First Faculty of Medicine performed seven procedures for appointment to professor posts. All of them were approved by the Scientific Board and passed to the Rector's Office of Charles University for further procedures. The Scientific Board of Charles University in Prague discussed three proposals from the First Faculty of Medicine; all the proposals were approved on and submitted to the Ministry of Education, Youth and Sports of the Czech Republic for further procedures. In 2010 the President of the Czech Republic appointed six new pro-

fessors, who had passed the procedures of appointment at the First Faculty of Medicine.

Further, the Scientific Board performed eighteen habilitation procedures, and one of them was suspended by the Scientific Board. By the Rector of Charles University, sixteen Associate Professors were appointed in 2009 who had passed the habilitation procedures at the First Faculty of Medicine of Charles University in Prague.

Numbers of Appointment procedures passed in the Scientific Board of the First Faculty of Medicine of Charles University in Prague (1995–2010)

<b>Professors</b>															
1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
5	7	1	5	0	7	7	7	13	11	14	15	13	7	9	7
<b>Associate Professors</b>															
1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
8	11	14	12	3	10	15	16	16	16	18	17	17	17	12	18

Professors appointed in 2010

Name, establishment	Field	Scientific Board of Faculty	Scientific Board of University	Appointed with the effect from
<b>Doc. MUDr. Jaromír Astl, CSc.</b> Department of ENT and Head & Neck Surgery of Charles University – the First Faculty of Medicine and Motol Teaching Hospital	otorhinolaryngology	27 Jan 2009	28 May 2009	30 Apr 2010
<b>Doc. MUDr. Eva Havrdová, CSc.</b> Department of Neurology of Charles University – the First Faculty of Medicine and the General Teaching Hospital	neurology	29 Sep 2009	25 Mar 2010	8 Dec 2010
<b>Doc. MUDr. Marta Kalousová, Ph.D.</b> Institute of Clinical Biochemistry and Laboratory Medicine of Charles University – the First Faculty of Medicine and the General Teaching Hospital	medical chemistry and biochemistry	27 Jan 2009	28 May 2009	30 Apr 2010
<b>Doc. MUDr. Jan Štulík, CSc.</b> Spondylosurgical Department of Motol Teaching Hospital	orthopaedics	31 Mar 2009	25 June 2009	30 Apr 2010
<b>Doc. MUDr. Ilja Stríž, CSc.</b> Department of Clinical and Transplantation Immunology of Institute of Clinical and Experimental Medicine	medical immunology	28 Apr 2009	24 Sep 2009	30 Apr 2010
<b>Doc. MUDr. Michal Holub, Ph.D.</b> 3 <sup>rd</sup> Department of Infectious and Tropical Diseases of Charles University – the First Faculty of Medicine and Teaching Hospital Na Bulovce	infectious diseases	28 Apr 2009	24 Sep 2009	30 Apr 2010

## PROCEDURES FOR APPOINTMENT TO PROFESSOR POSTS AT THE SCIENTIFIC BOARD OF THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY IN 2010

### Doc. MUDr. JAROSLAV LINDNER, Ph.D.

2<sup>nd</sup> Surgical Department of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **surgery**  
Scientific Board of the First Faculty of Medicine on 26 Jan 2010  
Title of the lecture: Surgical treatment of chronic thromboembolic lung hypertension in the Czech Republic  
Scientific Board of Charles University on 24 June 2010

### Doc. Ing. Mária Mareková, CSc.

Institute of Medical Chemistry and Biochemistry and Clinical Biochemistry of P. J. Šafárik University in Košice  
Appointment procedure in the field of **medical chemistry and biochemistry**  
Scientific Board of the First Faculty of Medicine on 21 Sep 2010  
Title of the lecture: Characterization of new enterocines

### Doc. MUDr. David Sedmera, DSc.

Institute of Anatomy of Charles University – the First Faculty of Medicine  
Appointment procedure in the field of **anatomy**  
Scientific Board of the First Faculty of Medicine on 26 Oct 2010  
Title of the lecture: Development of ventricular myocardium – summary of results

### Doc. MUDr. Pavel Calda, CSc.

Department of Gynaecology and Obstetrics of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **gynaecology and obstetrics**  
Scientific Board of the First Faculty of Medicine on 26 Oct 2010  
Title of the lecture: Prenatal diagnosis and treatment on the threshold of the third millennium

### Doc. RNDr. Anna Gvozdjaková, CSc.

3<sup>rd</sup> Medical Department of Medical Faculty Comenius University in Bratislava  
Appointment procedure in the field of **medical chemistry and biochemistry**  
Scientific Board of the First Faculty of Medicine on 30 Nov 2010  
Title of the lecture: Key importance of Q<sub>10</sub> co-enzyme for health and illness

### Doc. MUDr. Zuzana Gdovinová, CSc.

Department of Neurology of Medical Faculty of P. J. Šafárik University in Košice  
Appointment procedure in the field of **neurology**  
Scientific Board of the First Faculty of Medicine on 30 Nov 2010  
Title of the lecture: Risk factors in cerebrovascular accidents

### Doc. MUDr. Jan Roth, CSc.

Department of Neurology of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **neurology**  
Scientific Board of the First Faculty of Medicine on 14 Dec 2010  
Title of the lecture: Huntington disease and the mystery of CAG triplet

## HABILITATION PROCEDURES PASSED IN THE SCIENTIFIC BOARD OF THE FIRST FACULTY OF MEDICINE IN 2010

### MUDr. Pavel Dundr, Ph.D.

Institute of Pathology of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **pathology**  
Scientific Board of the First Faculty of Medicine on 26 Jan 2010  
Title of the lecture: Recent principles of modern pathomorphological diagnosis in selected tumours of the female genital  
*Appointed with the effect from 1 May 2010*

### MUDr. Ondřej Naňka, Ph.D.

Institute of Anatomy of Charles University – the First Faculty of Medicine  
Appointment procedure in the field of **anatomy**  
Scientific Board of the First Faculty of Medicine on 26 Jan 2010  
Title of the lecture: Experimental influencing of development of the embryonic blood stream and myocardium  
*Appointed with the effect from 1 May 2010*

### MUDr. Tomáš Paleček, Ph.D.

2<sup>nd</sup> Medical Department of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **internal medicine**  
Scientific Board of the First Faculty of Medicine on 23 Feb 2010  
Title of the lecture: Assets of tissue Doppler echocardiography for non-invasive assessment of diastolic function of the left ventricle of the heart  
*Appointed with the effect from 1 June 2010*

### MUDr. Tomáš Stopka, Ph.D.

Institute of Pathological Physiology of Charles University – the First Faculty of Medicine  
Appointment procedure in the field of **pathological physiology**  
Scientific Board of the First Faculty of Medicine on 27 Apr 2010  
Title of the lecture: Regulation of expressive programme on normal and leukemic haematopoiesis  
*Appointed with the effect from 1 Oct 2010*

### Ing. Norbert Kopčo, Ph.D.

School of Cybernetics and Artificial Intelligence of the Faculty of Electric Technology and Informatics of the Technical University in Košice  
Appointment procedure in the field of **medical informatics**  
Scientific Board of the First Faculty of Medicine on 25 May 2010  
Title of the lecture: Importance of 3D listening for comprehension of speech  
*Appointed with the effect from 1 Nov 2010*

### MUDr. Jana Reiterová, Ph.D.

Nephrological Department of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **medical genetics**  
Scientific Board of the First Faculty of Medicine on 25 May 2010  
Title of the lecture: Genetic factors influencing the course of polycystic kidney disease of the autosomal dominant type  
*Appointed with the effect from 1 Oct 2010*

### MUDr. Jana Vrbíková, Ph.D.

Endocrinological Institute in Prague  
Appointment procedure in the field of **internal medicine**  
Scientific Board of the First Faculty of Medicine on 25 May 2010  
Title of the lecture: Metabolic aspects of the polycystic ovary syndrome  
*Appointed with the effect from 1 Nov 2010*

**MUDr. Ivana Kuklová, CSc.**

Department of Dermatology and Venereology of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **dermatology and venereology**

Scientific Board of the First Faculty of Medicine on 22 June 2010  
Title of the lecture: Syphilis in populations of risk: developmental trends and diagnostic pitfalls  
*Appointed with the effect from 1 Dec 2010*

**MUDr. Zdeněk Kleibl, Ph.D.**

Institute of Biochemistry and Experimental Oncology of Charles University – the First Faculty of Medicine  
Appointment procedure in the field of **medical chemistry and biochemistry**

Scientific Board of the First Faculty of Medicine on 22 June 2010  
Title of the lecture: Role of genes with low penetration in the origin of breast carcinoma: importance of alterations of the CHEK2 gene  
*Appointed with the effect from 1 Dec 2010*

**MUDr. Jozef Záhumenský, Ph.D.**

Department of Gynaecology and Obstetrics of Charles University – the First Faculty of Medicine a FN Na Bulovce s poliklinikou  
Appointment procedure in the field of **gynaecology and obstetrics**

Scientific Board of the First Faculty of Medicine on 22 June 2010  
Title of the lecture: Impact of the first labour on the incidence of bladder incontinence and sex dysfunctions in females  
*Appointed with the effect from 1 Jan 2011*

**MUDr. Zdeněk Beneš, CSc.**

2<sup>nd</sup> Medical Department of Thomayer Teaching Hospital in Prague  
Appointment procedure in the field of **internal medicine**  
Scientific Board of the First Faculty of Medicine on 21 Sep 2010 – *procedure was suspended*  
Title of the lecture: Importance of endoscopic cystoscopy in examination of the GI tract

**MUDr. Jan Novotný, Ph.D.**

Department of Oncology of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **oncology**

Scientific Board of the First Faculty of Medicine on 21 Sep 2010  
Title of the lecture: Study of factors that modify the risk of occurrence of some selected prevailing malign diseases  
*Appointed with the effect from 1 Feb 2011*

**MUDr. MAGDALENA SKOŘEPOVÁ, CSc.**

Department of Dermatology and Venereology of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **dermatology and venereology**

Scientific Board of the First Faculty of Medicine on 21 Sep 2010  
Title of the lecture: Infection with *Microsporum canis* in material of the Clinic of Dermatology of Charles University – the First Faculty of Medicine in Prague

**MUDr. Vilém Rohn, CSc.**

2<sup>nd</sup> Surgical Department – Clinical Department of Cardiovascular Surgery of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **surgery**  
Scientific Board of the First Faculty of Medicine on 26 Oct 2010  
Title of the lecture: Current problems of surgical treatment for ICHS: arterial revascularization of the myocardium, mechanic complications of myocardial infarction

**MUDr. František Charvát, Ph.D.**

Department of Radiodiagnostics of Central Military Hospital in Prague  
Department of Neurosurgery of Charles University – the First Faculty of Medicine and Central Military Hospital  
Radiologická klinika of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **radiology**  
Scientific Board of the First Faculty of Medicine on 26 Oct 2010  
Title of the lecture: Endovascular therapy for occlusions and stenoses of brain arteries

**MUDr. et MUDr. RENÉ FOLTÁN, Ph.D.**

Department of Stomatology of Charles University – the First Faculty of Medicine and the General Teaching Hospital  
Appointment procedure in the field of **stomatology**  
Scientific Board of the First Faculty of Medicine on 30 Nov 2011  
Title of the lecture: Therapy for class 2 facial skeletal defects

## Associate professors appointed in 2010

Name, establishment	Field	Habilitation thesis	Scientific Board of Faculty	Appointed with the effect from
<b>MUDr. Roman Šmucler, CSc.</b> Department of Stomatology of Charles University – the First Faculty of Medicine and the General Teaching Hospital	stomatology	Therapeutic use of lasers in orofacial oncology	24 Nov 2009	1 Feb 2010
<b>MUDr. Petr Marusič, Ph.D.</b> Department of Neurosurgery of Charles University – the First Faculty of Medicine and Central Military Hospital Department of Neurology of Charles University – the Second Faculty of Medicine and Teaching Hospital Motol	neurology	Clinical importance of focal cortical dysplasia in patients with temporal lobe epilepsy	27 Oct 2009	1 Jan 2010
<b>Ing. Norbert Kopčo, Ph.D.</b> Faculty of Electric Technology and Informatics of the Technical University in Košice	medical bio-physics	Mechanisms of 3D audition and separation of sounds	25 May 2010	1 Nov 2010
<b>MUDr. Zdeněk Novotný, CSc.</b> Department of Gynaecology and Obstetrics of Charles University – the First Faculty of Medicine and the Teaching Hospital in Plzeň	gynaecology and obstetrics	Observation of complications of laparoscopic gynaecologic operations	24 Nov 2009	1 Feb 2010
<b>MUDr. Petr Štádlr, Ph.D.</b> Department of Vascular Surgery of the Hospital Na Homolce 2nd Surgical Department of Charles University – the First Faculty of Medicine and the General Teaching Hospital	surgery	Minimal invasive approaches in vascular surgery: from mini-laparotomy to robotics	27 Oct 2009	1 Feb 2010
<b>MUDr. Jarmila Heissigerová, Ph.D.</b> Department of Ophthalmology of Charles University – the First Faculty of Medicine and the General Teaching Hospital	ophthalmology	Treatment of systemic diseases with manifestations of intraocular inflammation: new approaches	27 Oct 2009	1 Jan 2010
<b>MUDr. Jana Vrbíková, Ph.D.</b> Institute of Endocrinology Praha	internal medicine	Metabolic aspects of the polycystic ovary syndrome	25 May 2010	1 Nov 2010
<b>MUDr. Ondřej Naňka, Ph.D.</b> Institute of Anatomy of Charles University – the First Faculty of Medicine	anatomy	Experimental influencing of development of the embryonic blood stream and myocardium	26 Jan 2010	1 May 2010
<b>MUDr. Jan Novotný, Ph.D.</b> Department of Oncology of Charles University – the First Faculty of Medicine and General Teaching Hospital	oncology	Study of factors that modify the risk of occurrence of some selected prevailing malign diseases	21 Sep 2010	1 Feb 2011
<b>MUDr. Ladislav Šenolt, Ph.D.</b> Institute of Rheumatology of Charles University – the First Faculty of Medicine and General Teaching Hospital	internal medicine	Alarmins and adipokins: new cytokines taking part in pathogenesis of rheumatic diseases	22 Dec 2009	1 Mar 2010
<b>MUDr. Pavel Dunder, Ph.D.</b> Institute of Pathology of Charles University – the First Faculty of Medicine and the General Teaching Hospital	pathology	Recent principles of modern pathomorphological diagnosis in selected tumours of the female genital	26 Jan 2010	1 May 2010
<b>MUDr. David Netuka, Ph.D.</b> Department of Neurosurgery of Charles University – the First Faculty of Medicine, IPVZ and GTH	neurosurgery	Stenoses of the vessels supplying the brain	22 Dec 2009	1 Apr 2010
<b>MUDr. Zdeněk Kleibl, Ph.D.</b> Institute of biochemistry and experimental oncology of Charles University – the First Faculty of Medicine	medical chemistry and biochemistry	Role of genes with low penetration in the origin of breast carcinoma: importance of alterations of the CHEK2 gene	22 June 2010	1 Dec 2010
<b>MUDr. Tomáš Stopka, Ph.D.</b> Institute of Pathological Physiology of Charles University – the First Faculty of Medicine	pathological physiology	Regulation of expressive programme on normal and leukemic haematopoiesis	27 Apr 2010	1 Oct 2010
<b>MUDr. Tomáš Paleček, Ph.D.</b> 2nd Medical Department of Charles University – the First Faculty of Medicine and the General Teaching Hospital	internal medicine	Assets of tissue Doppler echocardiography for non-invasive assessment of diastolic function of the left ventricle of the heart	23 Feb 2010	1 June 2010
<b>MUDr. Jana Reiterová, Ph.D.</b> Department of Nephrology of Charles University – the First Faculty of Medicine and the General Teaching Hospital	medical genetics	Genetic factors influencing the course of polycystic kidney disease of the autosomal dominant type	25 May 2010	1 Oct 2010
<b>MUDr. Ivana Kuklová, CSc.</b> Department of Dermatology and Venereology of Charles University – the First Faculty of Medicine and the General Teaching Hospital	dermatology and venereology	Acquired syphilis in the population of Prague: developmental trends and connections; serologic diagnosis	22 June 2010	1 Dec 2010

Survey of specialties to perform habilitation procedures and procedures for appointment to professor posts at the First Faculty of Medicine of Charles University and validity of their accreditations

<b>Specialty</b>	<b>Right to perform habilitation procedures</b>	<b>Right to perform procedures to appoint professors</b>
<b>Anatomy</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Anesthesiology and resuscitation</b>	until 31 May 2018	–
<b>Surgery</b>	until 18 Nov 2015	until 18 Nov 2015
<b>History of medicine</b>	until 31 July 2014	until 31 July 2014
<b>Dermatology and venereology</b>	until 23 July 2012	until 23 July 2012
<b>Gynaecology and obstetrics</b>	until 18 Nov 2015	until 18 Nov 2015
<b>Hygiene and epidemiology</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Surgery</b>	until 18 Nov 2015	until 18 Nov 2015
<b>Infectious diseases</b>	until 31 Dec 2015	until 31 Dec 2015
<b>Cardiosurgery</b>	until 31 May 2014	–
<b>Clinical biochemistry</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Medical biophysics</b>	until 18 Nov 2015	until 18 Nov 2015
<b>Medical biology</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Medical chemistry and biochemistry</b>	until 18 Nov 2015	until 18 Nov 2015
<b>Medical pharmacology</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Medical physiology</b>	until 18 Nov 2015	until 18 Nov 2015
<b>Medical genetics</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Medical immunology</b>	until 31 Dec 2011	until 31 Dec 2011
<b>Medical informatics</b>	until 20 Oct 2011	until 20 Oct 2011
<b>Medical microbiology</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Neurosurgery</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Neurology</b>	until 18 Nov 2015	until 18 Nov 2015
<b>Ophthalmology</b>	until 18 Nov 2015	until 18 Nov 2015
<b>Oncology</b>	until 20 Oct 2011	until 20 Oct 2011
<b>Orthopaedics</b>	until 18 Nov 2015	until 18 Nov 2015
<b>Otorhinolaryngology</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Pathological physiology</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Pathology</b>	until 23 July 2012	until 23 July 2012
<b>Paediatrics</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Occupational medicine</b>	until 31 Dec 2015	until 31 Dec 2015
<b>Psychiatry</b>	until 31 Oct 2011	until 31 Oct 2011
<b>Radiology</b>	until 18 Nov 2015	until 18 Nov 2015
<b>Rehabilitation medicine</b>	until 31 May 2018	–
<b>Sexology</b>	until 15 Jan 2012	until 15 Jan 2012
<b>Forensic medicine</b>	until 20 Oct 2011	until 20 Oct 2011
<b>Stomatology</b>	until 23 July 2012	until 23 July 2012
<b>Urology</b>	until 31 Dec 2015	until 31 Dec 2015
<b>Internal medicine</b>	until 18 Nov 2015	until 18 Nov 2015





*In the Holy Trinity Church at Podskalí in Prague 2 an ecumenical worship was celebrated on 27<sup>th</sup> May 2010. The introductory speech was uttered by the Head of the Institute of Anatomy of the First Faculty of Medicine Prof. Miloš Grim.*



*The award ceremony of the 11<sup>th</sup> Students' Scientific Conference at the Academic Club of the First Faculty of Medicine in Faust House.*

# EDUCATION



## EDUCATION

### Branches of studies

At the time, the scope of university education provided at the First Faculty of Medicine includes the following: programmes of general medicine and dentistry, Bachelor degree programmes of addictology, occupational therapy, physiotherapy, general nursing, nutritional therapy and medical technology, as well as studies in the follow-up Master degree programmes of addictology, medical technology and informatics, and intensive care. Addictology and general nursing can be studied in the combined form of studies too.

In the fields of general medicine and dentistry, the tuition is performed in English language as well. This is provided for self-paying international students, who also take an intensive Czech language course so that they will be able to communicate with the patients in the later years of studies.

The Faculty plays a distinctive role in post-graduate certification training as well as in supervising Ph.D. doctoral studies in co-operation with the other faculties of Charles University and the Academy of Sciences of the Czech Republic as well as with educational institutions of the Ministry of Health, and takes an extensive part at professional (pre-certification) training. The First Faculty of Medicine ranks among the founders of the Third-Age

University; these studies here have been in course since 1987 without interruption.

The Faculty also assists some other faculties in education of their students and provides them with integral training in the form of courses in some subjects, including examination.

### Organization of studies

The First Faculty of Medicine has met all aspects of the recommendation by the Commission of the European Union and its Commission for Medical Education. The study is divided into one-year sections, and for evaluation of the progress the system of credit points (European Credit Transfer System, ECTS) has been introduced. The studies are subject to the Rules for Organization of Studies at the First Faculty of Medicine, which were based on and approved in accordance with the Studies and Examination Regulations of Charles University. Every subject in any study programme is evaluated by a certain number of credit points, which reflects how long and difficult the study of the given subject is. To enrol into another section of studies, a student has to obtain a set number of credits – the “normal number of credit points” (the requirement is 30 per semester, or 60 per year), or – in cases specified by the Rules for organization of studies – at least the



prof. MUDr. Jana Dušková, DrSc., MBA  
Vice-Dean for Education and Stomatology / Dentistry

“minimum number of credit points”. In 2010, the Rules for Organization of Studies at the First Faculty of Medicine were amended. This way, the possibility of granting an Individual Study Plan was modified and the division of the first year of studies into two sections was cancelled.

On enrolment for a section of studies, the student has the right to choose from the list of core subjects and optional subjects. However, as the education in medical and health disciplines requires special methodological approach and an appropriate order of subjects, recommended curricula have been set for each study programme, and – for enrolment in a number of subjects – requisites and prerequisites have been detailed, defining the necessity of passing certain subjects during the previous study. Nevertheless, a certain number of credit points during the whole course of studies (5 per cent for General Medicine) can be obtained by the students through passing in facultative subjects. These subjects, as offered by the Faculty, are nearly 290 in number.

A good deal of the agenda concerning the studies is done in the electronic form through the Student Information System (SIS) of Charles University, which serves both the students and teachers. This system enables electronic enrolment and record of subjects, dates of examination, record of marks, and also includes basic information on subjects (schedules, teachers, syllabi, lists of recommended literature, etc.). Since autumn 2010, the electronic schedule of tuition has been in the pipeline. Face-to-face contact is possible with the Department of Students' Affairs, housed in modern rooms and equipped with a modern signal device that offers the students with an easier access to settling their agenda in person. The electronic support of education, such as the education portal, e-learning, WikiLectures and co-operation on Mefanet – is being systematically extended.

On a regular basis, evaluation of teaching at the Faculty by the students takes place, now in the electronic form through the SIS. Therefore the resulting information is relevant for the Faculty, and

#### Students – Czech nationals

Branch	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	5 <sup>th</sup> year	6 <sup>th</sup> year	total
General Medicine	502	274	221	184	226	254	<b>1,661</b>
Dentistry and Stomatology	79	73	61	35	45		<b>293</b>
Nursing – full-time	21	16	16	-	-	-	<b>53</b>
Nursing – combined	54	30	35	-	-	-	<b>119</b>
Addictology – full-time	32	31	25	-	-	-	<b>88</b>
Addictology – combined	44	41	27	-	-	-	<b>112</b>
Occupational therapy	22	13	23	-	-	-	<b>58</b>
Physiotherapy	31	22	28	-	-	-	<b>81</b>
Nutritional therapy	13	20	11	-	-	-	<b>44</b>
Medical technology	1	3	14	-	-	-	<b>18</b>
Master – Intensive care	1	38	-	-	-	-	<b>39</b>
Master – Health teaching	-	-	-	-	-	-	-
Master – Medical technology & informatics	6	34	-	-	-	-	<b>40</b>
Master – Addictology	27	-	-	-	-	-	<b>27</b>
<b>Total</b>	<b>833</b>	<b>595</b>	<b>461</b>	<b>219</b>	<b>271</b>	<b>254</b>	<b>2,633</b>

#### International students (incl. paying students)

Branch	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	5 <sup>th</sup> year	6 <sup>th</sup> year	total
General medicine	173	83	70	59	110	111	<b>606</b>
(+ paying students)	149	98	79	80	75	69	<b>550</b>
Dentistry and Stomatology	13	8	11	2	3	-	<b>37</b>
(+ paying students)	27	26	19	9	9	-	<b>90</b>
Addictology – full-time	-	2	1	-	-	-	<b>3</b>
Addictology – combined	4	3	2	-	-	-	<b>9</b>
Occupational therapy	-	-	4	-	-	-	<b>4</b>
Physiotherapy	10	6	9	-	-	-	<b>25</b>
Nursing / General nursing – full-time	3	4	2	-	-	-	<b>9</b>
Nursing / General nursing – combined	2	3	-	-	-	-	<b>5</b>
Nutritional therapy	8	-	-	-	-	-	<b>8</b>
Medical technology	-	1	-	-	-	-	<b>1</b>
Master - Intensive care	-	-	-	-	-	-	-
Master - Health teaching for secondary schools	-	-	-	-	-	-	-
Master - Medical technology & informatics	-	-	-	-	-	-	-
Master - Addictology	-	-	-	-	-	-	-
<b>Total</b>	<b>214</b>	<b>110</b>	<b>99</b>	<b>61</b>	<b>113</b>	<b>111</b>	<b>707</b>
<b>(+ paying students total)</b>	<b>176</b>	<b>124</b>	<b>98</b>	<b>89</b>	<b>84</b>	<b>69</b>	<b>640</b>

Number of students enrolled for the first year of studies (out of the above)

Branch	Czech	International
General medicine	403	145
Dentistry	72	10
General nursing – full-time	20	3
General nursing – combined	44	2
Addictology – full-time	21	-
Addictology – combined	36	4
Occupational therapy	20	-
Physiotherapy	31	10
Nutritional therapy	19	8
Medical technology	-	-
Master – Intensive care	-	-
Master – Medical technology & informatics	-	-
Master – Addictology	27	-
<b>Total</b>	<b>693</b>	<b>182</b>

also motivating for the teachers, thereby contributing to the quality of education.

A great number of students travel abroad every year to take short-term or longer placements thanks to the Erasmus programme or the exchange of IFMSA student organization.

Catering for students – and not only for them – is the fundamentally renovated building at 4 U Nemocnice, where – apart from modern teaching rooms – the Institute of Scientific Information is

located, including the library. Students can borrow books to study at home, or make use of the modern resource room and large computer room with access to the internet, printers, in-line search of professional literature etc. Further, another clubroom, which also offers refreshments, was opened for students in the building.

#### Entrance procedures, preparation and co-operation with prospective students

For the academic year 2010–2011, new students were admitted according to the scores of written tests in physics, chemistry and biology as well as the test of general studying ability. Some of the students were admitted to the programmes of General Medicine and Dental Medicine on the basis of excellent study results of their secondary education. The entrance procedures to Bachelor degree programmes were conducted in a similar way. In some of these programmes, apart from the scores of the tests (physics, chemistry, biology), also the previous experience of the field was taken into consideration, or another test was done to evaluate special knowledge of the field and – for the programme of Addictology – personal motivation and psychological competences were assessed in an interview as well.

Prior to the entrance procedure the whole set of test questions had been published, as in the years before. Using the method of random choice by a computer, tests at the presumed level of difficulty were made up out of this set of several thousands of questions immediately before the examination. The scoring and compiling the list stating the sequence of applicants according to the scores were done by a computer and the standings were announced on the website of the First Faculty of Medicine on the following day. The test of general studying ability was prepared in co-operation with the Faculty of Philosophy and Arts of Charles University in Prague. As the correlation of scores in particular



doc. PhDr. Michal Miooský, Ph.D.  
Vice-Dean for Non-Medical Study Programmes

Number of students (by 31<sup>st</sup> October of the respective year)

Number of students: Czech / international (incl. paying students)	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
General medicine	1,907/314 (36)	1,930/151 (54)	1,739/187 (64)	1,672/192 (101)	1,829/260 (145)	1,702/334 (175)	1,669/395 (165)	1,448/575 (171)	579/713 (188)	1,395/939 (201)	1,362/711 (215)	1,567/586 (228)
Stomatology / Dentistry	168/9	151/13 (8)	132/17 (11)	168/20 (14)	260 (15)	217/32 (19)	239/42 (18)	246/52 (16)	257/48 (15)	239/66 (17)	289/49 (14)	264/32 (16)
Nursing full-time	49/2	70/1	75	76	72	77	80	74/1	77/1	67/2	62/6	63/3
Nursing combined	25	55	64	81	87	92/2	92/3	101/6	111/7	120/7	127/18	124/4
Addictology	-	-	-	-	-	-	-	-	-	-	-	-
Occupational therapy	-	21	35/2	47/3	56/2	83/3	110/3	130/1	83/1	81/11	91/8	89/3
Physiotherapy	-	-	-	-	-	-	-	-	48/2	48/3	56/6	52/17
Nutritional therapy	-	-	-	-	-	-	-	-	-	-	-	-
Medical technology	-	15	22	38/1	49/1	64/1	67	55/1	61/3	50/4	61/11	57/5
Health teaching for secondary schools	-	-	-	-	-	-	-	-	-	25	59/1	64
Medical technology & informatics	-	-	-	-	-	-	-	-	-	21	38/0	38/1

Number of students: Czech / international (incl. paying students)	2005	2006	2007	2008	2009	2010
General medicine	1,558/916 (242)	1,479/1,016 (267)	1,615/1,037 (331)	1,447/1,051 (352)	1,641/1,001 (433)	1,661/1,156 (550)
Stomatology / Dentistry	243/43 (11)	192/106 (29)	259/81 (46)	260/35 (57)	297/112 (74)	293/127 (90)
Nursing / General nursing full-time	66/2	65	73/2	67/2	58/8	53/9
Nursing / General nursing combined	109/21	125/23	92/15	62/15	82/3	119/5
Addictology – full time	-	37/1	68/0	82/0	89/1	88/3
Addictology – combined	-	-	-	-	42/3	112/9
Occupational therapy	91/3	87/5	92/6	64/6	74/3	58/4
Physiotherapy	77/6	114/17	110/26	91/26	88/23	81/25
Nutritional therapy	-	-	-	-	18	44/8
Medical technology	61/3	60/7	56/12	46/12	47/3	18/1
Master – Intensive care	-	-	-	-	59/9	39
Master – Health teaching for secondary schools	69	92/1	58/1	11/1	2	-
Master – Medical technology & informatics	40/1	28/1	46/0	48/0	52/5	40/0
Master – Addictology	-	-	-	-	-	27/0

tests was analysed, the decision was adopted to abandon the test of general studying ability from the academic year 2011–2012 on.

For those wishing to apply for studies, the Faculty has been providing preparatory classes in those subjects that are included in the entrance examination tests; in one of the courses the basic Latin was taught as well. The Faculty tries to offer as much information as possible to the prospective applicants. On 9<sup>th</sup> January, the traditional Open Day took place at the Faculty, which also took part in the University's events and presented its study programmes at the Gaudeamus education fair. Another way to improve presentation of the information provided is the website for applicants, which has been improved and made user-friendlier.

In 2010 the Faculty carried on the lectures for students of secondary schools and professional workshops for their teachers. The lectures for students included topics such as biochemical investigation (by Prof. Zima), coverage of drugs in mass media (by Assoc. Prof. Miovský), midwifery (by Assoc. Prof. Calda) and stem cells (by Mr. Krejčí). For secondary school teachers, two events

were organized, whose topics were midwifery and embryology (in March) and Oncology (in August).

#### Education in general medicine

The biggest study programme at the Faculty is the study of general medicine, which takes six years. In the curriculum, the emphasis is gradually shifted from theoretical subjects over those pre-clinical to clinical training. The first three years are mainly devoted to theoretical and pre-clinical subjects. During these years the tuition is implemented according to semester schedules, including lectures, practicals, seminars, dissections and pre-clinical placements. The following three years are devoted to the clinical part of the studies and are organized in the form of the "block system", with the aim to create some integral, self-contained parts even within particular subjects. The blocks passed are then completed with checking the progress, which is done in the forms as defined by the Studies and Examination Regulations (such as exams or credits).

## Survey of the number of applicants and their results

Academic year	Branch	Number of applicants	Number of applicants examined	Enrolled out of the admitted	Limit for admission (points)	Maximum score (in theory)	Limit rate in the test	Number of appeals	Appeals out of those examined (per cent)	Appeals out of those not admitted (per cent)
1997–1998	General medicine	1,455	1,152	418	203	299	67.89%	82	7.12%	11.17%
	Stomatology	191	161	51	226	299	75.59%	22	13.66%	20.00%
	total	1,646	1,313	469				104	7.92%	12.32%
1998–1999	General medicine	1,583	1,035	364	186	297	62.63%	156	15.07%	
	Stomatology	235	156	53	178	297	59.93%	28	17.95%	
	total	1,818	1,191	417				184	15.45%	23.77%
1999–2000	General medicine	1,549	1,161	490	186	299	62.21%	123	10.59%	18.33%
	Stomatology	212	166	69	172	299	57.53%	28	16.87%	28.87%
	total	1,761	1,327	559				151	11.38%	19.66%
2000–2001	General medicine	1,789	1,183	447	164	299	54.85%	126	10.65%	17.12%
	Stomatology	226	167	60	155	299	51.84%	23	13.77%	21.50%
	total	2,015	1,350	507				149	11.03%	17.67%
2001–2002	General medicine	2,202	1,353	404	180	300	60%	148	10.94%	18.03%
	Stomatology	281	183	52	180	300	60%	31	16.94%	27.20%
	total	2,483	1,536	456				179	11.65%	19.14%
2002–2003	General medicine	1,987	1,433	444	201	300	67%	89	6.21%	6.75%
	Stomatology	252	188	59	176	300	58.66%	19	10.10%	11.31%
	total	2,239	1,621	503				108	6.66%	7.26%
2003–2004	General medicine	1,873	1,398	437	191	300	63.66%	102	7.30%	8.99%
	Stomatology	307	225	52	200	300	66.66%	29	12.88%	14%
	total	2,180	1,623	489				131	8.07%	9.77%
2004–2005	General medicine	1,850	1,481	534	185	299	61.87%	107	7.23%	7.99%
	Stomatology	333	275	56	240	299	80.27%	40	14.55%	13.42%
	total	2,183	1,756	590				147	8.37%	8.98%
2005–2006	General medicine	2,016	1,449	484	180	300	60%	148	10.21%	15.34%
	Stomatology	513	420	42	247	300	82.33%	76	18.10%	20.10%
	total	2,529	1,869	526				224	12%	16.70%
2006–2007	General medicine	2,575	1,506	530	172	300	57.33%	175	11.62%	17.93%
	Stomatology	840	580	61	236	300	78.66%	79	13.62%	15.22%
	total	3,415	2,086	591				254	12.18%	17.00%
2007–2008	General medicine	2,509	1,820	426	178	297	59.93%	143	7.86%	16.73%
	Stomatology	821	645	53	240	297	80.80%	57	12.25%	10.32%
	total	3,330	2,465	479				200	8.11%	18.90%
2008–2009	General medicine	2,298	1,664	491	125	240	52.08%	156	9.38%	11.24%
	Stomatology	871	711	69	187	240	77.92%	80	11.25%	10.18%
	total	3,169	2,375	560				236	9.94%	10.86%
2009–2010	General medicine	2,333	1,613	530	159	300	53%	115	7.13%	18.58%
	Stomatology	871	686	83	226	300	75.33%	65	9.48%	10.78%
	total	3,204	2,299	613				180	7.83%	14.73%
2010–2011	General medicine	2,447	1,646	539	151	300	50.33%	139	8.44%	23.64%
	Stomatology	987	742	78	230	300	76.66%	62	8.36%	9.60%
	total	3,434	2,388	617				201	8.42%	16.30%

In 2010 the curricula were discussed again as re-accreditation of the study programme was prepared. It resulted in modifications of tuition in some subjects (anatomy, histology), and in the clinical part in shifts of some subjects so that a better order and connection between successive subjects would be achieved. Some of these changes have already been introduced while the other will be launched gradually.

#### Theoretical and pre-clinical studies

Theoretical and pre-clinical studies take the first three year of the study programme. In the theoretical part, the students study basic medical terminology, composition of the human body (anatomy, histology) and its function (physiology), biophysical, biochemical and biological processes at the body, cell as well as sub-cellular level. They learn about the essentials of first aid and

nursing, and after the second year take a summer clinical placement focused on basic patient care. The study also includes medical information science and a foreign language. In the third year the students obtain the basic knowledge about the origin and development of morbid processes (pathology, pathophysiology, pathobiochemistry, microbiology, introduction to immunology) as well as about the basics of clinical studies (medical and surgical propaedeutics, elementary stage in pharmacology).

In 2009 the tuition was implemented according to curricula; the most important recent changes are listed in the following part.

The Institute of Anatomy displayed some more lectures on the education portal of the Faculty, on its own website as well as on the portal [www.anatomina.org](http://www.anatomina.org). The book Sadler TW: *Langman's medical embryology* was translated and the Czech version was published at the Grada publishing house in Prague.

The Institute of Pharmacology engaged some experts from the 3<sup>rd</sup> Medical Department, Department of Anaesthesiology, Resuscitation and Intensive Care and the pharmacy of the General Teaching Hospital in selected lectures on pharmacology. For all students in the programme of General Medicine, visits to the pharmacy were organized to show them the everyday operation of the shop. The e-learning programmes for bachelor degree students, displayed on the Faculty's web pages, were updated. In 2010 Dr. Dalibor Černý published the 120-page book *Předepisování léčivých přípravků pro studenty lékařských oborů* [Prescription of medicinal preparations for students in medical fields] in 600 copies at the Karolinum publishing house in Prague; the text is aimed not only at students of the First Faculty of Medicine but also at professional public.

The Institute of Physiology completed a new textbook on physiology, which is in print now. In e-learning, the *Electronic textbook of physiology* and *Electronic guidelines and protocols for practical training* were finished.

The Institute of Biophysics and Informatics opened the access to some more lectures on biophysics – such as radiotherapy, acoustics, thermodynamics, molecular biophysics etc. – at its website. Also at the Institute's website is information about practical classes in biophysics, and instructions for more practicals are gradually added. In 2010 the Institute continued the change of the system of execution of protocols of practical classes in biophysics. Each study group has their own mailbox to receive the protocol, while the teacher can check on the performance, communicating with a student this way. In 2010, protocols in English language were first offered. Since the spring 2010 the Section of Biomedical Statistics (BioStat) has been providing periodical professional seminars focused on application of statistical methods in specialized medical issues. In the autumn BioStat gave selected lectures in statistics for postgraduate students (<http://biof.lf1.cuni.cz/biostat.html>).

The Institute of Biology and Medical Genetics continued providing tuition for some other faculties. For the Faculty of Chemical Technology – Institute of Organic Technology of the Czech Technical University the Institute teaches the subject Human biology, for the Faculty of Education of Charles University in Prague the subject Clinical genetics in the programme of Special Pedagogy, and for the Faculty of Science the subject Human genetics.

The Institute for History of Medicine and Foreign Languages mounted a new pattern in teaching the subject Foreign language for medical students, following the modifications of the syllabus.



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es. Now this subject is taught in two years: basic language in the first year and medical language in the second year. Students with a more advanced command of the language can get the credits for the first year through passing the tests, without having to attend the classes.

The Institute of Immunology and Microbiology introduced the new subject Clinical immunology, which will be taught in the fourth year of studies as a block of classes. In terms of elective subjects, the new subject Basics of work in immunological laboratory was introduced in the academic year 2009–2010, and the subject Clinical immunology and allergology 1, 2 was updated and widened.

For the academic year 2010–2011, three new elective subjects were included in the programme of General medicine: Clinical microbiology – diagnosis and interpretation of laboratory findings, Clinical microbiology, antibiotic policy and hospital epidemiology – integrated approach to management of infections in in-patients. A new textbook was published: Julák J., Pavlík E.: *Lékařská mikrobiologie pro zubní lékaře* [Medical microbiology for dentistry]. Karolinum, Praha, 443 pp., 2010, ISBN 974-80-254-1792-3.

The Institute of Medical Biochemistry innovated the equipment of the student laboratory, using a grant by the Fund of Development of Universities. New analyzers for practical training were gained, such as the QuickRead analyzer for quick arrangement of CPR in a doctor's surgery within the Point-of-care testing (POCT) and LAURA Smart readers, which enable objective evaluation of urinalysis strips for quick urine diagnosis. Special laboratory practicals for students of dentistry were introduced, which are accessible on the web pages as well.

The Institute of Pathological Physiology started teaching the new subject Pathophysiology in case studies, and carried on working on the internet interactive atlas of physiology ([www.physio-me.cz](http://www.physio-me.cz)).

Students of the Institute of Pathology took part at clinic pathological seminars, organized by the Institute.

Teachers of the Institute of Histology and Embryology were involved in translation of a new textbook of histology.

The Institute of Nursing Theory and Practice prepared new e-learning programmes for particular study programmes. A training CardiAid AED defibrillator was purchased for practical tuition. An instructive video was made to instruct medical students in wound-dressing techniques. New contracts were made to secure practical placements including summer holiday placements (State Health Institute in Prague, Mascare s. r. o.). They also published the textbook Pavlíková P.: *Podklady pro praktická cvičení v ošetrovateľských postupech* [Source materials for practical training in nursing procedures], Praha, Karolinum 2010.

#### Clinical teaching

During the year 2010, the discussion on changes in the curriculum in the Education Board and Dean's Board was closed and the respective changes, being approved by the Faculty's Scientific Board, were incorporated in the schedule of the academic year 2010–2011. Clinical teaching is now implemented on one hand within the credit system, and on the other hand in study blocks such as Hygiene and epidemiology – Clinical immunology – Occupational medicine and Infectious diseases; then the block of minor surgical specialties in the 4<sup>th</sup> year of studies; the block of particular disciplines of Internal medicine and the Neurology – Rehabilitation medicine – Psychiatry block in the 5<sup>th</sup> year; and most of the subjects that are included in the State Examinations in the 6<sup>th</sup> year. Undoubtedly, the run-in of these changes required great efforts to achieve the consensus and much strain to implement the modifications in everyday operation of the clinical departments and institutes involved. Therefore it is certainly not out of the place to thank all those teachers of our Faculty who were engaged.



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At the Department of Gynaecology and Obstetrics at the General Teaching Hospital, a new classroom equipped with training simulators and teaching aids, and the new educational DVDs *How to scan gynaecological cancer* and *Easy learning hysterectomy* were created. Also some new simulators, dummies and visuals widened the scope of teaching aids. The staff of the clinic published the monographs *Ultrasound diagnosis in gynaecology and obstetrics* and *Colposcopy of the vaginal cervix*.

The 1<sup>st</sup> Medical Department marked the 1,000<sup>th</sup> transplantation of marrow cells, and renovation of the transplantation unit was done at the department.

At the 2<sup>nd</sup> Surgical Department, the clinic of cardiovascular surgery, the new vascular transplantation centre was opened, and the first external aortal ring in the country was implanted.

At the Department of Anaesthesiology and Resuscitation in the Thomayer Teaching Hospital, the scope of training in practical skills was – in co-operation with the Department of Pathological Anatomy of the hospital – completed with the possibility to perform some more procedures on dead bodies.

At the Department of Paediatrics and Adolescent Medicine, a new out-patient facility for children after perinatal risk was opened in co-operation with the General Teaching Hospital and the Norwegian Funds.

The staff of the Department of Occupational Medicine published the new textbook on medical examination for disabilities.

The teachers of the Department of Urology published the monographs *Karcinom ledviny* [Kidney carcinoma], *Praktická andrologie* [Practical andrology] and *Repetitorium urologie* [Repetitory of urology], and also prepared a special urological issue of the journal *Postgraduální medicína*.

At the Department of Dermatology and Venereology, a multimedia teaching atlas of dermatology and venereology was finished and the grant project by the Fund of Development of Universities is being carried on, consisting in innovation of teaching through active involvement of the students in collecting and analyzing the clinical and microscopy data under supervision of a teacher with the aim of creation and continuous completion of the digital photo archive as well as the digital atlas of dermatology and venereology. The access to the multimedia presentations is at the Faculty's web portal.

The Institute of Pharmacology regularly organizes visits to the pharmacy of the General Teaching Hospital for all students to show them the pharmacists' everyday routine. Its staff published the textbook *Předepisování léčivých přípravků pro studenty lékařských oborů* [Prescription of medicinal preparations for students in medical fields].

The Institute of Hygiene and Epidemiology encourages the students to present their papers on particular questions included in the State Examination in Hygiene and Epidemiology as chapters of WikiLectures. A textbook for certified gravediggers is in the process of compilation, and tuition of the elective subject Human ecology is organized.

At the 1<sup>st</sup> Surgical Department a continuous reconstruction of the building as well as complete updating of the premises, equipment and technology took place.

At the Department of Radiodiagnostics, a unique radiological atlas was created and displayed within the e-learning system, comprising more than 2,500 findings. A training ultrasound apparatus was put into service for undergraduate students to practice the skills necessary for ultrasound scanning; the device was purchased under the project of Development programmes for public university-level schools.

At the Institute of Nuclear Medicine, a new teaching programme was prepared for medical students studying the subject Nuclear medicine, which is aimed at clinical use of the combined PET/CT system installed in the General Teaching Hospital in Prague in 2010.

The staff of the Department of Psychiatry published the books *Psychiatrie – testy, Vybrané kapitoly z biologické psychiatrie* [Selected chapters of biological psychiatry] and *Spektrum poruch příjmu potravy* [The spectrum of food intake disturbances]. Also web pages containing resources for the subject Psychosocial development.

In the sphere of clinical teaching at the First Faculty of Medicine in general, 2010 was another year of considerable changes in the curriculum and further improvement of conditions for studies, which also included new textbooks, study materials and e-learning lectures on the Faculty's web portals.

#### Alumni of the First Faculty of Medicine

Field	1999–2000	2000–2001	2001–2002	2002–2003	2003–2004	2004–2005	2005–2006	2006–2007	2007–2008	2008–2009	2009–2010
General medicine	218	154	194	260	219	233	205	242	306	297	264
Stomatology / Dentistry	24	26	35	27	47	37	31	41	22	39/60	2/56
Nursing – full-time	26	16	28	24	18	15	16	18	21	14	19
Nursing – combined	19	12	21	30	27	22	31	28	34	38	1
Occupational therapy	14	16	20	22	18	22	16	20	22	20	13
Physiotherapy	-	13	11	13	18	16	16	40	27	32	25
Addictology	-	-	-	-	-	-	-	-	13	25	16
Medical technology	16	3	10	11	11	10	14	15	17	11	10
Medical technology and informatics	-	-	-	-	13	27	6	12	13	13	16
Intensive care	-	-	-	-	-	-	-	-	-	34	28
Health teaching for secondary schools	-	-	-	-	23	25	26	48	8	1	0
English parallel class – General medicine	6	18	18	17	38	24	16	20	17	27	44
English parallel class – Stomatology / Dentistry	2	-	2	1	4	-	-	1	-	0/7	0/16
<b>Total</b>	<b>325</b>	<b>258</b>	<b>339</b>	<b>405</b>	<b>436</b>	<b>431</b>	<b>377</b>	<b>485</b>	<b>500</b>	<b>618</b>	<b>510</b>

### Dentistry

Like in the years before, the interest to enter the studies was enormous (with 987 applications mailed in); for years the relative number of applicants for these studies is the highest of all the programmes and branches provided at the First Faculty of Medicine. Admitted to study were 94 most successful applicants and another 27 enrolled for the studies in English.

Tuition of pre-clinical dental disciplines takes place in simulator classrooms and clinical teaching in the new rooms at the premises of the Department of Stomatology.

The funds gained from development programmes enabled to refurbish and equip the training laboratory for preparation of dental replacements, and therefore to create best conditions for education in the subject Prosthodontics in dental medicine in the full scope of what is needed (such as training in preparation an impression techniques on simulators, mastering the particular steps in prosthetic patient care, proper preparation and production of dental replacements). Thereby the Faculty provides for the effective command of one of the essential fields of dentistry.

Another factor contributing to reaching a higher quality of dental education was equipping the section of conservative dentistry with new technology, enabling to proceed in accord with innovated procedures and techniques when teaching the treatment of the dental root system. Also useful to intensify as well as update the practical training in a number of subjects (such as conservative dentistry, preventive stomatology, parodontology) are operation microscopes. Thanks to them all conditions are met for inclusion of minimum invasive procedures in the treatment techniques taught.

The equipment of the Laboratory for Study of Physical and Mechanical Properties of Dental Materials made it possible to launch another training course, which is focused not only on observation

of the properties of the materials used in endodontic treatment but also on monitoring the effectiveness and quality of endodontic treatment under *in vitro* conditions.

Tuition in theoretical subjects as well as in those of general medical nature was implemented to the same extent as in the past years.

In 2010 again quite a number of students of Dentistry travelled to Germany, Sweden, Finland, Italy, Spain etc. to take part in the student exchange stays at co-operating schools.

### International students

The education of self-paying international students represents, on one hand, a considerable source of finances for the Faculty but – above all – it is the symbol of the fact that the University opened to the world after 1989. The more than fifteen years' experience in teaching in English language has proved the correctness of the policy. Moreover, the admission of the Czech Republic to the European Union (1<sup>st</sup> May 2004) facilitated the recognition of diplomas and students' visas within EU, which increased the attractiveness of English-taught programmes in medicine and dentistry. The growing number of those interested in the studies as well as those actually studying at the Faculty is documented in the charts and diagrams below. Tuition in English is also important for the programmes of international exchange. This has lately been reflected in the increased number of students coming from abroad within Erasmus and Socrates programmes. The reason is that tuition in English enables them to take a part of their studies at our Faculty, which – in turn – contributes to the prestige of the First Faculty of Medicine abroad and also increases the number of students in Czech classes who can travel abroad within the programmes of international exchange and experience some part of their studies at a foreign university. On the other hand, however



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## Entrance interviews for the English-taught classes in 2010

country		applied	examined	admitted: medicine	admitted: dentistry	total
Israel	January	11	11	6	1	7
Sweden	January	12	12	6	0	6
Norway	March	14	14	5	0	5
Malaysia	April	34	34	24	0	24
Portugal	May	15	12	5	0	5
Sweden	May	18	18	13	0	13
Israel	May	18	18	15	0	15
UK	June	30	30	7	2	9
Botswana	June	23	16	1	4	5
Czech Rep.	June	118	76	17	7	24
Taiwan	June	6	6	3	0	3
Greece	July	41	36	9	2	11
India	July	6	1	1	0	1
Cyprus	July	42	40	15	2	17
Spain	July	15	11	4	0	4
Israel	August	8	4	1	0	1
UK	August	45	40	14	4	18
Czech Rep.	September	33	19	2	0	2
USA	September	17	17	10	1	11
<b>total</b>	<b>2010</b>	<b>506</b>	<b>415</b>	<b>158</b>	<b>23</b>	<b>181</b>

## Students in English-taught programmes in the academic year of 2010-2011 (table):

	AFRICA	AMERICA	ASIA	AUSTRALIA AND OCEANIA	EU	other EUROPE	total
1 <sup>st</sup> year	7	9	60	0	79	7	162
2 <sup>nd</sup> year	16	7	48	0	48	1	120
3 <sup>rd</sup> year	12	8	24	0	32	3	79
4 <sup>th</sup> year	6	4	36	0	24	1	71
5 <sup>th</sup> year	6	5	19	0	29	1	60
6 <sup>th</sup> year	3	3	6	0	39	0	51
	<b>50</b>	<b>36</b>	<b>193</b>	<b>0</b>	<b>251</b>	<b>13</b>	<b>543</b>

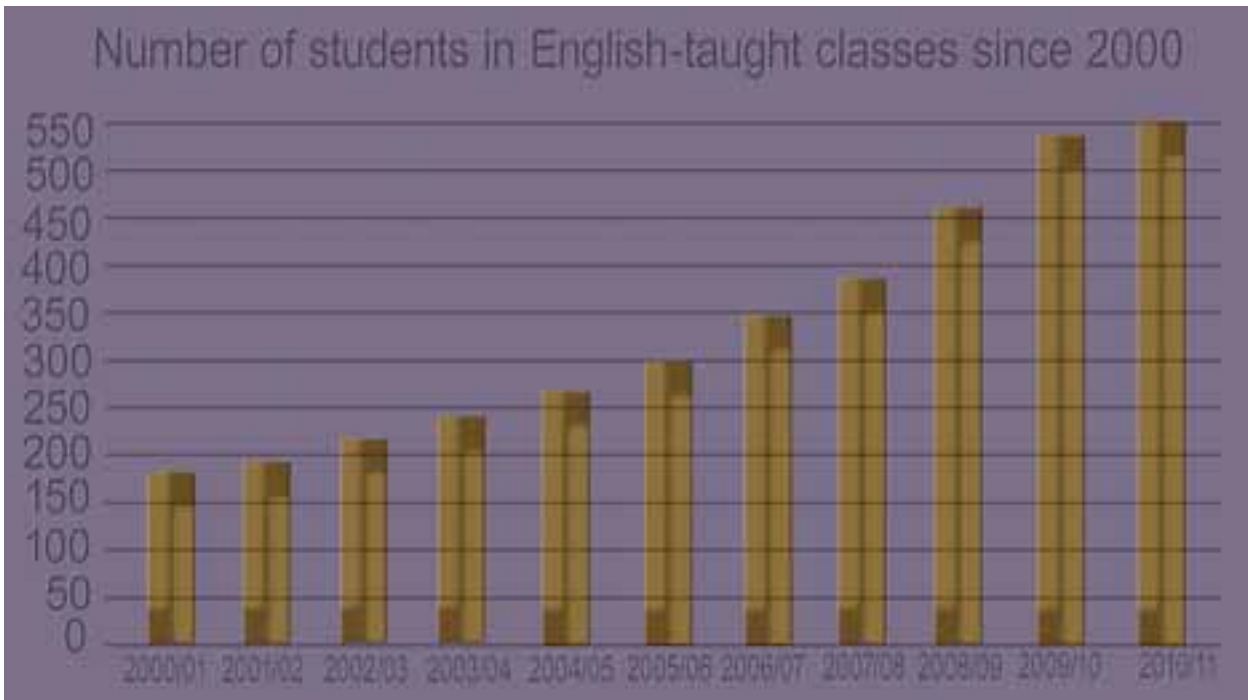
pleasing the number of applicants for an exchange stay at the Faculty is, it has already achieved such a level that it requires some regulation in case it exceeds our teaching capacities, particularly at clinical units.

The proportion of our full-time students coming from particular continents is visualised in the enclosed diagrams and in the chart. An overwhelming majority are students from European countries, whose number has dramatically increased thanks to the Faculty's standing efforts aimed at drawing attention to the Faculty in EU countries, including our presentations at international events organized to highlight the possibilities of university-level education in Europe, but also – no doubt – with the above mentioned admission of the Czech Republic to EU. Another crucial change in the composition of the English-taught parallel class, however, is the continuous increase in students from North America, Africa (above all thanks to the agreement with the Ministry of Education of Botswana), and since 2006 from Asia as well, particularly from Malaysia but recently from India and Taiwan as well. This is, after all, in accord with the policy of the management of the Faculty to focus more on non-European students in future.

Also the last year's entrance exams held in Kuala Lumpur in April 2010, and in particular the presence of more than 30 appli-

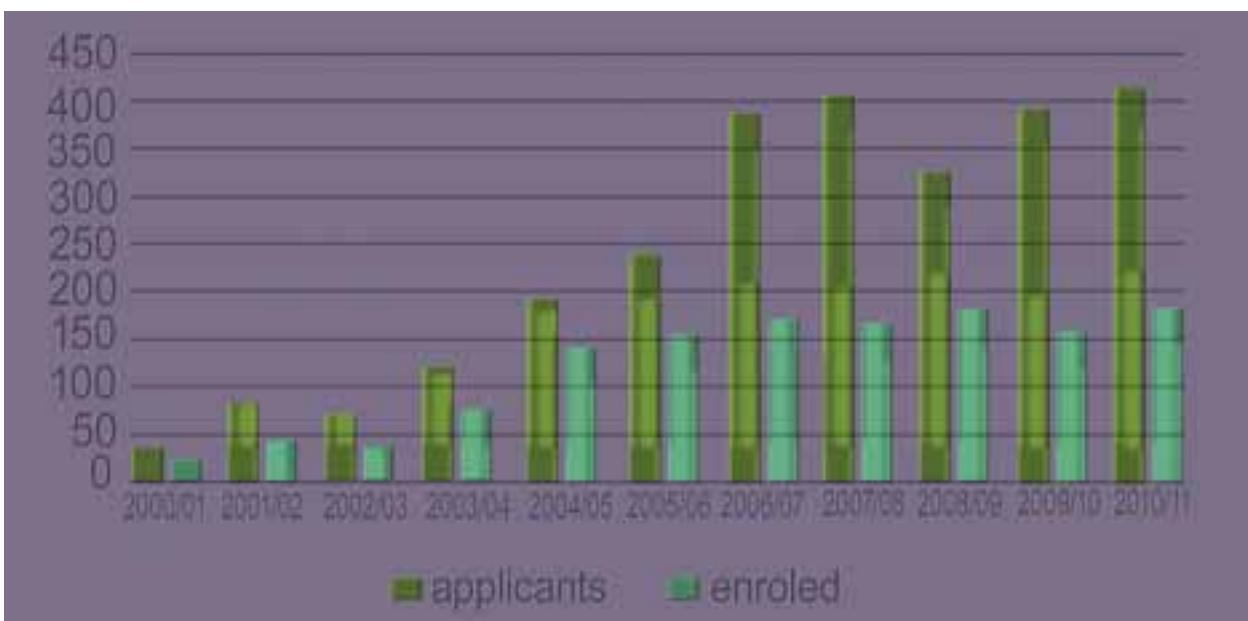
cants, proved the considerable interest in medical studies at our Faculty and clearly indicated that the said region is potentially an outstanding market in the sphere of education. The attractiveness of the Faculty for that region could be further promoted by recognition of our diplomas recognized to those issued for the field of Dentistry, which is the objective of the Faculty in current negotiations with the Malaysian Ministry of Health. Malaysia, however, is not the only Asian country we would like to attract students from. Following a series of negotiations, a contract was signed last year with an agency to represent the Faculty in Taiwan, and in June the entrance interviews were already organized there for the third time. For the first time special entry exams were held for applicants from Spain and Spanish-speaking South American countries. Further, negotiations are in progress concerning agreements with China and some post-Soviet countries. The list of entrance interviews held in the past year for applicants for English parallel classes is given in a chart below.

The main issue connected with the self-paying international students that the Faculty has been concerned with in the past years is the problem of quality, both of the educational process itself and of the students, who – in future – will give the picture of the quality of the education at the Faculty. This, again, is connected with the above mentioned higher number of those inter-



Number of applicants who attended entrance interviews and those who enrolled in the English-taught programmes of studies since 2000 (table)

	applicants	enrolled
2000-01	41	28
2001-02	66	49
2002-03	61	46
2003-04	110	78
2004-05	198	98
2005-06	231	101
2006-07	389	114
2007-08	403	112
2008-09	318	128
2009-10	397	152
2010-11	415	181



ested in the studies at the Faculty and the better choice from the prospective students. The ratio of the students who underwent the entrance interview to those who passed successfully is documented in the diagrams and charts.

In 2010, the First Faculty of Medicine continued the long-established co-operation with the foundation in Great Britain which helps secondary students in preparation for university-level studies. For those interested in the studies of medicine we organized lectures and practical classes in Great Britain, and we participated in big trade-fair events with presentations for prospective students and for their parents in Great Britain, Israel, Norway and Malaysia. In the summer months – like in the previous years – we organized a visit at the Faculty for those interested in the studies. We intend to hold this event in the coming years as well, and in 2009 we also – traditionally – prepared the visit for potential students and their parents, within the Open Days of English-taught study programmes. In addition we continued the tradition of an extra Open Day in spring for those students who take part in the preparatory course for our Faculty's entrance interviews, which was held in Great Britain.

Number of students in Bachelor and follow-up Master degree programmes in the academic year 2009–2010

Bachelor programmes	Number of students
General Nursing – full-time	71
General Nursing – combined	129
Occupational therapy	66
Physiotherapy	131
Medical technology	20
Addictology – full-time	94
Addictology – combined	130
Nutritional Therapy	60
<b>Bachelor programmes – total</b>	<b>701</b>
Follow-up Master programmes	
Medical technology and informatics	40
Addictology – full-time	27
Intensive care	39
Master programmes – total	106
<b>Non-medical programmes – total</b>	<b>807</b>

Graduates in Bachelor degree programmes in 2009–2010

Field of studies	Number of graduates
Addictology	16
Occupational therapy	13
Physiotherapy	25
Nursing – full-time	19
Nursing – combined	1
Medical technology	10
<b>total</b>	<b>84</b>

Graduates in the follow-up Master degree programmes in 2009–2010

Field of studies	Number of graduates
Medical technology and informatics	16
Intensive care	28
<b>total</b>	<b>44</b>

Like in the Czech-taught classes, education in the five-year programme of dentistry has also been provided in English for five years. This programme gradually replaces the former six-year programme of stomatology. This change is of much importance from the point of view of international students, mainly because of recognition of our diplomas in the field of dentistry, and – logically – boosts the interest in this programme of studies among international students.

Another important step was the establishment of an own organization of international self-paying students in 2001, which is in close contact with both Czech students' activities and the Faculty management. In 2010 this organization further developed its activities, including the publication of its proceedings at the website of the Faculty, and widened its scope in terms of social problems of international students. The students' organization prepared several own events, including the International Medical Students' Ball. Also co-operation between the students' organization and the Department of Students' Affairs expanded, which considerably enhances the quality of our presentations abroad and facilitates the start of studies for the fresh first-year students, when more experienced colleagues come to their assistance and help them to get oriented at the Faculty in the first days of the term. Moreover, they set up a consulting board for the first year students to assist them throughout the academic year in orientation to the system of studies as well as to cultural differences between their home countries and the Czech Republic.

#### Education in non-medical health care fields

For non-medical health care fields at the First Faculty of Medicine, 2010 was the year that marked the beginning of the period of stabilization and gradual restructuring of study programmes. Only one new programme was opened – the follow-up Master degree programme of Addictology, thanks to which the Faculty finished the project to provide complete undergraduate education in this field, both at the bachelor and master levels. At the stage of finalization is the new Bachelor degree programme of Midwifery, planned to be launched in the academic year 2012–2013. In the other non-medical programmes the Faculty focused on promotion of quality of education and scientific research activities.

Something like a milestone was the follow-up Master degree programme of Nursing in anaesthesiology, resuscitation and intensive care. Here successful re-accreditation was achieved and so this field, meeting a great demand, underwent some modification to offer top quality education based on varied and highly professional clinical back-up and work of an experienced team. Similarly, modification of the Bachelor degree programme of Nutritional therapy was started successfully, which is to be finished by the end of 2011 under the supervision of the team of our 3<sup>rd</sup> Medical Department. In the programmes of Occupational Therapy and Physiotherapy the stress was on deepening of the practical training and the quality of education in general, like in the Bachelor degree programmes of Nursing and Addictology. At this level of studies, the reform of tuition in the medical core subjects was successfully completed and put on a teaching block scheme one year earlier, while in some subjects the content matter and the teaching time allotted were modified. In December 2010 these modifications were evaluated and – when the detected faults were removed and the suggested improvements made – the tested model of tuition was set up to be used in the following period up to 2015.

The studies in particular programmes are sought for quite a lot. Meanwhile, the Faculty responded to the changing objectives of Charles University in Prague and started discussing the issue of a better integration of the tuition in both science and practice. At a time, the shift of the focus onto the Master level of education is being considered, or possibly the doctoral level in future.

### Electronic support of tuition

In 2010 the Faculty was further developing the electronic support of tuition in three basic directions:

- 1) widening the scope of electronic teaching aids at the Faculty's education portal <http://portal.lf1.cuni.cz> (articles, publications, videos), which is also accessible from the central portal of the MEFANET education web, <http://portal.mefanet.cz>;

- 2) completing the portfolio of education materials at the e-learning server Connect/Breeze <http://el.lf1.cuni.cz> and in the teaching system Moodle (presentations, atlases, courses) <http://dl.cuni.cz>;
- 3) and above all considerably developing methodology and content of the shared electronic lectures – WikiLectures: <http://www.wikiskripta.eu> (texts, pictures, animations, audios).

Number of electronic educational objects at storage sites in 2010

Storage site	Number of objects in 2010
Educational portal	371
Connect	1,886
Moodle	18
WikiLectures (WikiSkripta)	3,476
<b>Total</b>	<b>5,751</b>

Visits to the educational portal of the First Faculty of Medicine

Visits:	147,112
Pages imaged:	402,330
Absolute unique visitors:	121,832
Direct visits:	33.08%
	48,659
References by other sites:	17.73%
	26,087
Browsers:	49.19%
	72,366

Visits to the server Connect Breeze

Visits:	93,608
Pages imaged:	407,096
Absolute unique visitors:	32,173
Direct visits:	23.92%
	22,390
References by other sites:	75.91%
	71,062
Browsers:	0.17%
	156

### Educational portal of the First Faculty of Medicine in 2010

Quality of electronic educational materials on the portal is evaluated by expert supervisors of particular fields and those materials

Number of references to Connect from other sites (top 10)

Source/medium	Visits
portal.lf1.cuni.cz	17,849
lf1.cuni.cz	14,261
gynpo.lf1.cuni.cz	1,562
unm.lf1.cuni.cz	3,741
che1.lf1.cuni.cz	5,382
biol.lf1.cuni.cz	2,985
ubeo.lf1.cuni.cz	5,382
porodnice.cz	1,444
neuro.lf1.cuni.cz	1,742
facebook.com	1,342

Most frequently visited contents of Connex

Title of the page	Visits
Neurological examination – normal	5,191
Resource materials to lectures on anatomy	5,472
Atlas of physiology and pathophysiology	2,879
CPR	3,285
Multimedia Atlas of dermatology and venereology	4,892
lekls02	1,234
Basic general neurology: syndromology	1,009
Lekzs01	1,307

Educational publications under examination in 2010

	AUTHORS/ COORDINATORS	TITLE	ADDRESS
1	Vejražka M., Fialová L.	Vyšetření moči [Examination of urine]	<a href="http://www.wikiskripta.eu/index.php/Port%C3%A1l:Biochemie">http://www.wikiskripta.eu/index.php/Port%C3%A1l:Biochemie</a>
2	Vejražka M.	Spektrofotometrie [Spectrophotometry]	<a href="http://www.wikiskripta.eu/index.php/Port%C3%A1l:Biochemie">http://www.wikiskripta.eu/index.php/Port%C3%A1l:Biochemie</a>
3	Vejražka M.	Mozkomíšní mok [Cerebrospinal fluid]	<a href="http://www.wikiskripta.eu/index.php/Port%C3%A1l:Biochemie">http://www.wikiskripta.eu/index.php/Port%C3%A1l:Biochemie</a>
4	Fialová L.	Lipoproteiny [Lipoproteins]	<a href="http://www.wikiskripta.eu/index.php/Port%C3%A1l:Biochemie">http://www.wikiskripta.eu/index.php/Port%C3%A1l:Biochemie</a>
5	Vejražka M.	DNA diagnostika [DNA diagnostics]	<a href="http://www.wikiskripta.eu/index.php/Port%C3%A1l:Biochemie">http://www.wikiskripta.eu/index.php/Port%C3%A1l:Biochemie</a>
6	Štípek S., Táborská E., Vejražka M. (editors)	Návody k praktickým cvičením z lékařské biochemie a patobiochemie [Guidelines to practical classes in medical biochemistry and pathobiochemistry]	<a href="http://www.wikiskripta.eu/index.php/Portál:Biochemie">http://www.wikiskripta.eu/index.php/Portál:Biochemie</a>
7	Naňka O., et al (team of the Institute of Anatomy)	Podklady k přednáškám [Resource materials to lectures]	<a href="https://el.lf1.cuni.cz/anatomie_1">https://el.lf1.cuni.cz/anatomie_1</a>
8	Lambert L.	Atlas or Radiological Images	<a href="http://www.mudr.org/web/">http://www.mudr.org/web/</a>
9	Kuklová I., et al	Dermatovenerologický atlas [Atlas of dermatology and venereology]	<a href="http://portal.lf1.cuni.cz/clanek-881-dermatovenerologicky-atlas">http://portal.lf1.cuni.cz/clanek-881-dermatovenerologicky-atlas</a>
10	Naňka O., et al	Soubor přednášek z anatomie [Corpus of lectures on anatomy]	<a href="http://portal.lf1.cuni.cz/clanek-878-soubor-prednasek-z-anatomie">http://portal.lf1.cuni.cz/clanek-878-soubor-prednasek-z-anatomie</a>
11	Elleder M.	Patologie buňky II. – nové kapitoly [Cell pathology 2: New chapters]	<a href="http://portal.lf1.cuni.cz/clanek-871-patologie-bunky-vybrane-kapitoly">http://portal.lf1.cuni.cz/clanek-871-patologie-bunky-vybrane-kapitoly</a>

that are copyright educational publications by their nature are subject to standard examining procedures.

The Dean of the First Faculty of Medicine signed the annex to the general agreement on co-operation in the sphere of education with the company PEARS HEALTH CYBER, s.r.o., which enables to display the educational publications (EUNI lectures) created or partly created for the company by the Faculty staff free of charge on the educational portal of the Faculty.

#### E-learning server (Connect/Breeze) <http://el.lf1.cuni.cz>

The e-learning server is observed by the Google Analytics service. In 2010, the total number of 93,608 visits, mainly by students and teachers of the First Faculty of Medicine, was recorded. Direct access (i.e. students entering a particular reference obtained in the classes) amounts to approximately 24 per cent of the total

Number of educational materials at Connect (source: <http://connect.lf1.cuni.cz>)

Contents shared	Number (04–2010)
Department of Rehabilitation Medicine	245
Institute of Medical Biochemistry	236
Institute of Anatomy	181
Institute of Biochemistry and Experimental Oncology	171
Department of Dermatology and Venereology	170
Department of Neurology	109
Research Institute of Stomatology	96
Institute of Nursing Theory and Practice	82
Institute of Clinical Biochemistry	62
Department of Psychiatry	49
Department of Gynaecology and Obstetrics	39
Institute of Scientific Information	39
Institute of Immunology and Microbiology	37
Department of Radiodiagnostics	32
Institute of Forensic Medicine and Toxicology	31
Institute of Nuclear Medicine	29
Department of Stomatology	24
Institute of Hygiene and Epidemiology	23
Institute of Humanitarian Studies in Medicine	20
Institute for History of Medicine and Foreign Languages	19
Institute of Biology and Medical Genetics	18
Institute of Pharmacology	16
WikiSkripta/WikiLectures	14
Department of Plastic Surgery	13
Centre of Addictology	12
Department of Ophthalmology	10
Department of Urology	10
Institute of Biophysics and Informatics	9
2 <sup>nd</sup> Surgical Department	7
Institute of Pathological Physiology	6
Department of Nephrology	5
3 <sup>rd</sup> Department of Surgery	4
Department of Radiodiagnostics at TH Na Bulovce	4
1 <sup>st</sup> Surgical Department	3
3 <sup>rd</sup> Medical Department	1
3 <sup>rd</sup> Dept. of Infectious & Tropical Diseases	1
Department of Rheumatology	1
Institute of Inherited Metabolic Disorders	1

number of visits. Access from referring sites is about 76 per cent – students and teachers join in from the servers of the Faculty, most often from its website [www.lf1.cuni.cz](http://www.lf1.cuni.cz), from the Educational portal of the First Faculty of Medicine <http://portal.lf1.cuni.cz>, websites of particular institutes and other units of the Faculty and from the educative web pages <http://www.Wikiskripta.eu>. Most frequently visited are the web pages of the institutes of Anatomy, Neurology, Physiology and Pathophysiology, Anaesthesiology and Resuscitation, Dermatology and Venereology, Gynaecology and Obstetrics, Medical Biochemistry, Occupational Therapy and Physiotherapy, Nursing, Nuclear Medicine, Pharmacology, Nephrology etc.

The statistics prove that most successful are multimedia atlases, integral teaching blocks, video sequences supplemented with educational texts and presentations completed with sound.

#### WikiSkripta/WikiLectures

WikiLectures occurred at the First Faculty of Medicine in 2007 and in 2010 they were marked with extraordinary dynamic development. During 2010 there were also some modifications of the software and the technical design of WikiLectures, which enabled better access to the pages and more comfort for the users.

Those who most contributed to the development of WikiLectures are Dr. Čestmír Štuka, the Head of the Computer Technology Department, and Dr. Martin Vejražka, the leader of the editorial team. The basic feature of the system in general is its openness. The access to a “finished” text is not closed, even when the article has been approved by the teacher. Resistance to errors – both incidental and intentional – is secured through the internal mechanisms and the care of the editorial team, and the openness, in turn, secures constant improvement and updating of the articles. Not teachers alone are or should be authors of the articles; the other way round – a lot of quality texts are loaded in by students on their own. These texts can subsequently be used by teachers to make up larger chapters, being sorted out, re-arranged etc. The involvement of students in the operation of WikiLectures, however, reaches far more. The thing is that students of medical faculties make up the best part of the technical editorial team, which keeps up the structure of WikiLectures, helps inexperienced authors in finishing their texts, adjusts the user interface etc. for all medical faculties.

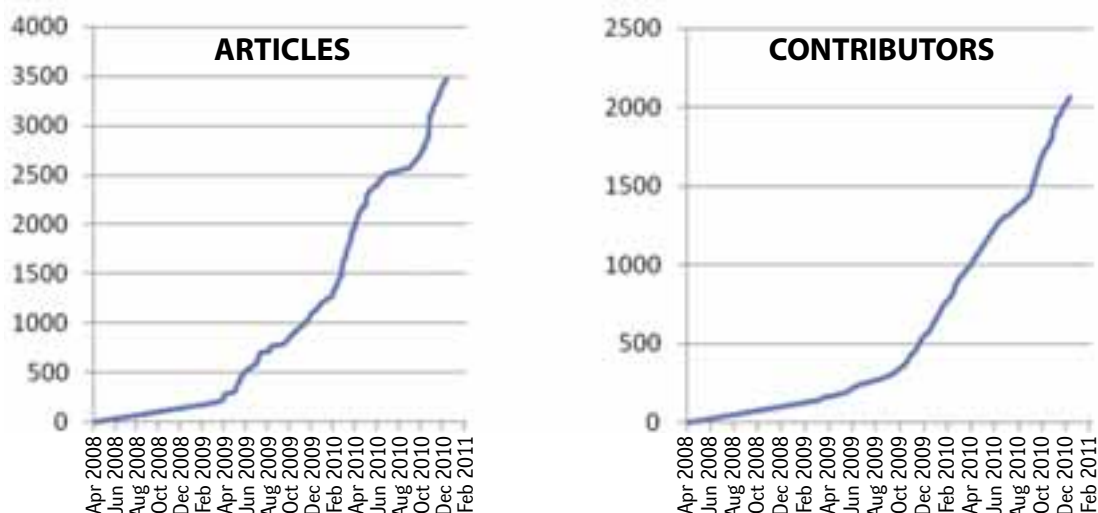
During 2010 the WikiLectures managed to cover all medical schools in the Czech Republic and the Slovak Republic. Incorporation of the WikiLectures in the national educational network MEFANET was natural and it was a considerable contribution to computer-aided study of medicine and health sciences. The First Faculty of Medicine took care of creation of the necessary software, and it organized and instructed special teams to keep up the system at particular faculties. In 2010, three large-scale three-week workshops for WikiLectures editors took place (in April, June and September), and more instruction was given continuously throughout the year. A series of five training sessions for the teachers from the First Faculty of Medicine was organized as well. At the time the editorial team includes more than seventy people. Out of the number, 43 are from the First Faculty of Medicine, 6 from the Second Faculty of Medicine and 11 from the Third Faculty of Medicine. Other editorial teams were instructed at the medical faculties of Charles University that are located off Prague, in Plzeň and Hradec Králové.

Intensity of work at WikiLectures/WikiSkripta in 2010

Number of articles by the end of 2010	3,476
Number of new articles per month	300
Number of editing interventions of text per month	7,500
Number of visits per day	4,000



Number of articles and contributors to WikiLectures/WikiSkripta 2008–2010



Survey of courses and seminars under accreditation of Czech Medical Chamber in 2010

	First Faculty of Medicine of Charles University	Departments of the Faculty	Co-operation with pharmaceutical companies	Total
number of events	20	146	42	208
number of participants	707	2377	3,694*	6,778

Department for Further Education of Medical Doctors – years 2005, 2006, 2007, 2008, 2009 and 2010 compared Educational events accreditation of Czech Medical Chamber (number of events)

Year	Courses of the First Faculty of Medicine of Charles University	Seminars of the institutes and clinical departments of the Faculty	Seminars in co-operation with pharmaceutical companies	Total
2005	18	51	36	105
2006	17	85	55	157
2007	12	73	56	141
2008	11	59	50	120
2009	19	147	45	211
2010	20	146	42	208

Within the MEFANET 2010 conference in Brno, the two-hour symposium *WikiLectures live* was held to make the wide professional public, including experts from London (StGeorge University) and Stockholm (Karolinska Institutet) familiar with the use of this tool.

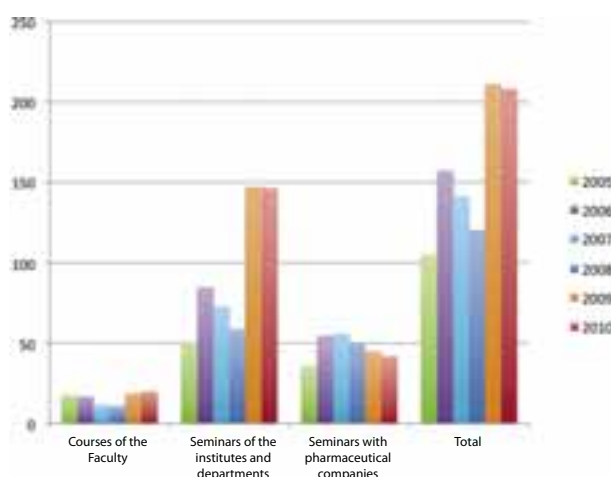
Contacts to the representatives of the editorial team are from WikiLectures/WikiSkripta at the address <http://www.wikiskripta.eu/index.php/WikiSkripta:Redaktoři>, or at the address [redakce@wikiskripta.eu](mailto:redakce@wikiskripta.eu).

Compared to 2009, the traffic at the WikiLectures increased five times in 2010. By the end of the year the storage contained more than 3,500 chapters of scientific or professional contents. Per month, about 10,000 editing interventions occur. About 6,000 users visit the pages per day.

The quality of articles in WikiLectures can be checked by teachers of accredited medical faculties and marked by them. The necessary tool is documented in detail at the page [http://www.wikiskripta.eu/index.php/WikiSkripta:Kontrola\\_článku\\_učitelem](http://www.wikiskripta.eu/index.php/WikiSkripta:Kontrola_článku_učitelem).

First larger sets of study materials published at WikiLectures have passed the expert examining procedures. Authors of top quality contributions were awarded continuously.

The project supervisors informed of the system of WikiLectures (in the original Czech version WikiSkripta) at the 2010 AMEE World Conference in Glasgow. This meeting gathered 2,400 par-



ticipants from all over the world. For the second time this important event also included the re-conference E-learning Symposium with a practical bias. From the First Faculty of Medicine Prof. Stanislav Štípek was delegated, who made a presentation on the topic of WikiLectures in the section Publishing and sharing resources. It emerged from the discussion that the University of Dundee in Scotland is interested in having the technology in edu-

cational setting, and we offered our two years' experience to promote expansion of WikiLectures in English-speaking countries. Further, US-China Education Review, a professional journal sponsored by the Sino-US Association of Entrepreneurs (Annex 1), showed interest in WikiLectures as well. Other negotiations were started with German medical schools. WikiLectures were given the ISSN 1804-6517.

In 2010 the First Faculty of Medicine displayed another 27 new teaching materials on the educational portal, which are available on the whole MEFANET web.

The educational portal scored the total number of 147,112 visits in 2010. The direct visits (when the user enters the address directly in the internet browser or clicks on the address in an e-mail message) make up 33 per cent of the total number of all visits. Users coming from referring web sites (references given at pages of the First Faculty of Medicine, its departments and institutes, Mefanet web, etc.) constitute another 18 per cent, most of them coming via the First Faculty of Medicine web site, Mefanet, Institute of Biophysics and Informatics, Institute of Hygiene and Epidemiology, Department of Ophthalmology, the Czech version of Wikipedia and Google pictures. The largest percentage of users visits the educational portal following the search for key words via external browser services such as Seznam (36,689 visits) or Google (32,904 visits).

From the above, the conclusion can be made that because of the easy access it's the internet public that visits the educational portal above all: it is virtually impossible to say whether it is professional public or lay public. The most sought phrases are the following: neurological examination, cardiopulmonary resuscitation, occupational therapy, echocardiography, female reproductive organs, preeclampsia, cholestasia, HELLP syndrome, chemical calculations, and angiography. The most frequently visited sections of the educational portal are: Search, Materials for lectures, Educational video, and Audio lectures. Of medical disciplines, the most visited are: Anatomy; Surgery, traumatology and orthopaedics; Gynaecology and obstetrics; Radiology and imaging techniques; Infectology; Biochemistry, chemistry; Psychiatry, psychology, sexology; Rehabilitation, physiotherapy, occupational therapy; Pharmacology; Physiology and pathological physiology; Cardiology, angiology; Dentistry; Anaesthesiology and intensive medicine; Dermatology; Medical informatics; etc. The most sought-for of the contents is the Corpus of lectures on anatomy, followed – in narrow intervals – by Selected lectures on gynaecology, Video demonstrations of anatomy, Neurological examination: normal, Cardiopulmonary resuscitation, Female reproductive organs, Selected lectures on perinatal medicine, and some others.

#### Financial resources for development of e-learning at the Faculty

Creation of electronic materials and development of e-learning at the First Faculty of Medicine has been supported from the Centralized development project C28 of the Ministry of Education, Youth and Physical Culture *Development of a web of electronic support of tuition in medical and health sciences* as well as by de-centralized development projects 14/15 *Exploitation of IT and multi-licence software applications for practical teaching of students of Charles University and creation of a common academic space* and 14/63 *Development of modern technologies for support of medical and health sciences*.

#### Supervisors in charge of e-learning at all Faculty units

The list of all supervisors in charge of e-learning at particular organization units of the First Faculty of Medicine is available at the address [http://www.wikiskripta.eu/index.php/F%C3%B3rum:Z%C3%A1stupci\\_pro\\_elearning\\_na\\_pracovi%C5%A1t%C3%ADch\\_1\\_LF\\_UK](http://www.wikiskripta.eu/index.php/F%C3%B3rum:Z%C3%A1stupci_pro_elearning_na_pracovi%C5%A1t%C3%ADch_1_LF_UK).

#### Information of the activities of the Department for Further Education in 2010

As for many years before, postgraduate courses were organized under supervision of the Department for Further Education of Medical Doctors of the First Faculty of Medicine, this time twenty in number and with 707 physicians involved, and another 133 seminars by the institutes and clinical departments, attended by the total number of 2,343 medical doctors. In accordance with the Professional Order 16 of the Czech Medical Chamber the participants of the courses obtained a certain number of credit points, depending of the number of classes attended.

Apart from the above, 42 seminars of pharmaceutical companies were held with 2,679 physicians attending. The total number of doctors participating at all the said events amounted to 5,729.

#### Third-age University at the First Faculty of Medicine – organization and course of tuition

In 2010, tuition for the 2<sup>nd</sup> year of studies (summer semester) of the third-age university went on, which was for the 23<sup>rd</sup> time, and for the 24<sup>th</sup> time tuition for the 1<sup>st</sup> year of studies (winter semester of 2009–2010) started. The course is arranged in two years (4 semesters) with a stable programme of lectures. Further education took place in the so-called Club of Third-age University Alumni, weekly attended by about 110 mature students who had passed the basic two-year course and were offered another series of lectures by the Faculty.

At the Third-age University education is not the goal but rather means of mental activation of an elderly human, providing an alternative life programme for the age of retirement. The basic two-year course is based on medical theory, appended with some facts that are new or add variety, guidelines for prevention and also history of medicine. The Faculty is represented in the national Third-age University Association of the Czech Republic, which in turn is member of the international Third-age University Association.

Tuition for the third-age university at the First Faculty of Medicine took two hours per week for either year of studies according to the programme published in the Faculty's *List of Lectures* book. For the Club of Alumni, a cycle of lectures was organized in the summer semester in co-operation with the Department of Occupational Medicine, called *Influence of pollutants of outer environment, incidents, accidents and injuries in common life*, and in the winter semester of 2008–2009 there was a cycle of eleven lectures on the topic *Basic embryonic development of the human*, prepared in collaboration of the Institute of Histology and Embryology and the Institute of Anatomy. The teachers for all three groups were mainly Heads of the respective units or most experienced staff members of these departments and institutes. The number of students in either year of studies was about sixty, which is the limit given by the size of the lecture room. Since the winter semester of 2008–2009 the lectures have been held in the lecture room of the Institute of Nuclear Medicine for the 1<sup>st</sup> and 2<sup>nd</sup> year students, and in the lecture room of the 3<sup>rd</sup> Medical Department for the Club of Alumni. Both said clinical departments have been very helpful and did their best for the third-age university, which deserves special thanks.

The ceremony to close the 2<sup>nd</sup> year of studies and award the certificates of the third-age university courses took place at the Karolinum in June 2010, at the presence of the Dean and many teachers of the Faculty.

#### Other activities of the Faculty

Quite a number of events to inform the public of the Faculty (such as Open Days of the Faculty and University, Gaudeamus fair etc.) were organized. In 135 cases the Faculty acknowledged university-level education according to international agreements.

### Co-operation with other faculties and universities in the sphere of education

The Faculty has signed formal contracts of providing some parts of tuition programme with the following:

#### Faculty of Education, Charles University in Prague

For the 1<sup>st</sup> to 3<sup>rd</sup> years of the programme of Special Pedagogy, 340 lessons are taught by our teachers (Institute of Physiology, Institute of Foreign Languages, Department of Rehabilitation Medicine, Department of Phoniatrics, Department of Neurology). The Institute of Biology and Medical Genetics teaches the subject Clinical genetics in the programme of Special Pedagogy.

The Faculty of Education provides tuition for 1<sup>st</sup> to 3<sup>rd</sup> year students of the First Faculty of Medicine in the Bachelor degree programmes of Occupational Therapy, Physiotherapy and Medical Technology.

#### Faculty of Philosophy and Arts, Charles University in Prague

The tuition in question is for the 5<sup>th</sup> year full-time students and 4<sup>th</sup> to 6<sup>th</sup> year students in the combined programme of Patient Care. The following are engaged in the teaching: Institute of Nursing Theory and Practice, 3<sup>rd</sup> Medical Department – Clinical Department of Endocrinology and Metabolism, 2<sup>nd</sup> Surgical Department – Clinical Department of Cardiovascular Surgery, Department of Paediatrics and Adolescent Medicine, Department of Psychiatry, Institute of Pathology, Department of Gynaecology and Obstetrics. Further, the Faculty of Philosophy and Arts is our partner in developing a module of the admission procedure to test general studying abilities.

#### Second Faculty of Medicine, Charles University in Prague

The Department of Occupational Diseases provides clinical placements for the Medical Department of the Second Faculty of Medicine, and takes part in examining at Rigorous State Examinations.

#### Faculty of Science, Charles University in Prague

The Institute of Forensic Medicine and Toxicology teaches the subject Analytic Toxicology for the Bachelor degree programme Clinical and Toxicological Analysis. Histology is taught for one

term for the programme of Parasitology. The Institute of Biology and Medical Genetics teaches the subject Human genetics.

The Faculty of Science teaches the subject Parasitology for Foreign Students for our Faculty.

#### Czech Technical University in Prague (ČVUT)

Three teachers are engaged in tuition of students in Bachelor degree programmes, in the subjects Basic Apparatus Equipment, and Imaging Techniques. They teach the following subjects in the follow up Master degree programme Medical Technology and Informatics:

In the first year – Information and communication technology in health care, Economics, Management, Mathematics for non-engineering branches, Imaging techniques 1, Technical aspects of medical appliances 1, Database systems in biomedicine and health care.

In the second year – Imaging techniques 2, Aggregation of data for decision-making, Technical aspects of medical appliances 2.

They take part in the Final State Examination.

#### Institute of Chemical Technology (VŠChT) in Prague

Tuition of the subjects Chemistry of foods and Food merchandise in the Bachelor degree programme of Nutritional Therapy is provided by a teacher from VŠChT.

The First Faculty of Medicine takes part in tuition of the subject Analytic Toxicology, which was introduced at this university-level college by the teachers of the Institute of Forensic Medicine and Toxicology in 1995, within a grant project of the Fund of Development of Universities. In teaching the facultative subject of Analytic Toxicology, VŠChT teachers participate. The teachers of the Institute of Clinical Biochemistry and Laboratory Medicine teach the students of the College on a long-term basis as well. The Institute of Biology and Medical Genetics teaches the subject Human biology at the Faculty of Chemical Technology – Institute of Organic Technology.

Since the academic year 2003-2004, participation of teachers of the First Faculty of Medicine in tuition within the European Bachelor degree programme at University of Perugia (in the subjects Biochemistry, Biophysics and Bioinformatics) has widened. For the first time, the students of the First Faculty of Medicine started studying in this programme as well.

*Prof. MUDr. Jana Dušková, DrSc.  
Vice-Dean for Education and Dentistry*

*Prof. MUDr. Otomar Kittnar, CSc., MBA  
Vice-Dean for International Students and Social Affairs*

*Prof. MUDr. Tomáš Hanuš, DrSc.  
Vice-Dean for Clinical Education and Postgraduate Studies*

*Assoc. Prof. MUDr. Martin Vokurka, CSc.  
Vice-Dean for Theoretical and Pre-Clinical Education*

*Assoc. Prof. PhDr. Michal Miovský, PhD.  
Vice-Dean for Non-Medical Study Programmes*

*Assoc. Prof. MUDr. Petr Bartůněk, CSc.  
member of the Dean's Board, in charge of life education*

*Prof. MUDr. Stanislav Štípek, DrSc.  
member of the Dean's Board, in charge of e-learning*

*Prof. MUDr. Radomír Čihák, DrSc.  
expert supervisor of Third-age University at the Faculty*

## GRADUATES FROM CHARLES UNIVERSITY – THE FIRST FACULTY OF MEDICINE IN 2010

**Graduation ceremony on 14<sup>th</sup> April 2010 at 10:30 a.m.**

In the Master degree programme of General Medicine, the following completed their studies with honours:

Pavel Rutar, born in Broumov

In the Master degree programme of General Medicine, the following completed their studies:

Zdeněk Bareš, born in Prague  
 Josef Bartoš, born in Benešov  
 Jan Bydžovský, born in Prague  
 Andrea Dubiaková, born in Levoča, Slovakia  
 Věra Hánlová, born in Slaný  
 Adam Herber, born in Jilemnice  
 Jakub Honěk, born in Prague  
 Jana Hrubovčáková, born in Humenné, Slovakia  
 Josef Hujer, born in Prague  
 Zuzana Igonďová, born in Žilina, Slovakia  
 Ara Kalašjan, born in Yerevan, Armenia  
 Martin Krákora, born in Chomutov  
 Mária Kuvová, neé Kloknerová, born in Trnava, Slovakia  
 Petra Morávková, born in Hodonín  
 Miloš Pačcha, born in Pardubice  
 Adam Pavličko, born in Prešov, Slovakia  
 Lenka Petrů, born in Sušice  
 Lenka Plchová, born in Bratislava, Slovakia  
 Alena Revinová, born in Beroun  
 Christiane Sophie Rösch, born in Frankfurt-Main, Germany  
 Jana Schwarzová, born in Opava  
 Andrea Smolková, born in Trenčín, Slovakia  
 Hana Švejcarová, neé Cisaríková, born in Bratislava, Slovakia  
 Anna Tunková, born in Prague  
 Barbora Urbanová, born in Frýdek-Místek  
 Jana Vyhnálková, born in Prague  
 Janina Waloszková, born in Český Těšín  
 František Zedníček, born in Třebíč

English parallel class:

Ahmed Saeed Ali Bin-Mahfoodh, born in Riyadh, Saudi Arabia

In the Master degree programme of Stomatology, the following completed their studies:

Kateřina Krejcarová, born in České Budějovice  
 Eva Rychtaříková, born in Písek

In the Master degree programme of Dental Medicine, the following completed their studies:

Aneta Mikšů, born in Pelhřimov

**Graduation ceremony on 29<sup>th</sup> July 2010 at 10:30 a.m.**

In the Master degree programme of General Medicine, the following completed their studies:

Jiří Foltín, born in Prachatice  
 Michaela Hegedúsová, born in Handlová, Slovakia  
 Tomáš Hudeček, born in Šumperk  
 Mária Janská, neé Gmurczykova, born in Revúca, Slovakia  
 Viliam Masaryk, born in Skalica, Slovakia

Adriana Mikulová, born in Stará Ľubovňa, Slovakia  
 Michal Novotný, born in Český Brod  
 Radomír Nykl, born in Čeladná  
 Michal Opluštil, born in Jilemnice  
 Aleš Paclík, born in Prague  
 Lenka Píchová, born in Prachatice  
 Dita Pospíšilová, born in Liberec  
 Kateřina Pražáková, born in Žatec  
 Anna Rendeková, born in Košice, Slovakia  
 František Šafránek, born in Městec Králové  
 Jan Šperl, born in Písek  
 Martina Tomanová, born in Tábor  
 Eliška Trsová, born in Prague  
 Lucie Vankeová, born in Brno  
 Marián Varhaník, born in Čadca, Slovakia  
 Jaroslava Večeřová, born in Kyjov  
 Magda Vlčková, born in Čáslav

**Graduation ceremony on 29<sup>th</sup> July 2010 at 12:00 (noon)**

In the Master degree programme of General Medicine, the following completed their studies:

Petra Bajcurová, born in Humenné, Slovakia  
 Diana Bátoriová, born in Rožňava, Slovakia  
 Monika Blašková, born in Košice, Slovakia  
 Daniela Bochnáková, neé Huplíková, born in Karviná  
 Pavel Brejník, born in Kladno  
 Zuzana Červenková, born in Prachatice  
 Lenka Dusová, born in Vítkov  
 Lenka Hottmarová, born in Tábor  
 Andrea Chudíková, born in Hnúšťa, Slovakia  
 Zuzana Kianičková, born in Žilina, Slovakia  
 Martina Klečacká, born in Jindřichův Hradec  
 Eva Kolomazníková, born in Tábor  
 Tomáš Kubernát, born in Ostrov  
 Daniel Kuziel, born in Poprad, Slovakia  
 Eva Lovíšková, born in Nové Město na Moravě  
 Tereza Nedělková, born in Strakonice  
 Michaela Pavlů, born in Varnsdorf  
 Mária Pirhalová, born in Stará Ľubovňa, Slovakia  
 Ondřej Pražák, born in Jablonec nad Nisou  
 Pavel Procházka, born in Kadaň  
 Jana Silváková, born in Košice, Slovakia  
 Milena Skuhřavá, born in Karlovy Vary  
 Veronika Stuchlíková, born in Písek  
 Karolína Svatošová, born in Prague  
 Gabriela Szárazová, born in Nové Zámky, Slovakia  
 Lenka Ševčíková, born in Čadca, Slovakia  
 Antonín Šípek, born in Ústí nad Labem  
 Aneta Tichá, born in Náchod  
 Lucie Tomková, born in Prague  
 Eva Tůmová, born in Nový Jičín  
 Blanka Vašáková, born in Prague

**Graduation ceremony on 29<sup>th</sup> July 2010 at 3:00 p.m.**

In the Master degree programme of Dental Medicine, the following completed their studies with honours:

Markéta Šedivá, born in Beroun

In the Master degree programme of General Medicine, the following completed their studies:

Anna Černá, born in Trstená, Slovakia  
 Veronika Hachová, born in Prague  
 Anna Havašová, born in Poprad, Slovakia  
 Monika Husová, born in Poprad, Slovakia  
 Martina Chabrová, born in Kadaň  
 Anna Janoušková, born in Prague  
 Eva Kociánová, born in Prague  
 Iva Křivohlavá, born in Prague  
 Eva Luskačová, born in Šumperk  
 Hana Luskačová, born in Šumperk  
 Vojtěch Maštálka, born in Ledec nad Sázavou  
 Zdeněk William Pelc, born in Chomutov  
 Alžběta Ptáčková, born in Louny  
 Martin Res, born in Prague  
 Zuzana Sedláková, born in Liptovský Mikuláš, Slovakia  
 Kateřina Štefflová, nee Blažková, born in Slaný  
 Eva Štroblová, born in Klatovy  
 Petra Tomášková, born in Sokolov  
 Iva Tuháčková, born in Liberec  
 Veronika Vandasová, born in Příbram  
 Petra Vobůrková, born in Znojmo

#### Graduation ceremony on 30<sup>th</sup> July 2010 at 10:30 a.m.

In the Master degree programme of General Medicine, the following completed their studies:

Pavel Bartoň, born in Ústí nad Orlicí  
 Alena Benková, born in Prešov, Slovakia  
 Kristína Ďurčová, born in Komárno, Slovakia  
 Barbora Dvořáková, born in Prague  
 Vasil Gašpir, born in Žiar nad Hronom, Slovakia  
 Petra Hladíková, born in Kroměříž  
 Ján Hlodan, born in Prešov, Slovakia  
 Kateřina Chytilová, born in Bílovec  
 Ján Jakuš, born in Martin, Slovakia  
 Paulína Jančíková, born in Bardejov, Slovakia  
 Jana Kališová, born in Brandýs nad Labem-Stará Boleslav  
 Vendula Kaplanová, born in Rychnov nad Kněžnou  
 Lucie Klenovcová, born in Prague  
 Vojtěch Kolín, born in Liberec  
 Lenka Kratochvílová, born in Liberec  
 Hana Kripnerová, born in Prague  
 Gabriela Nagyová, born in Lučenec, Slovakia  
 David Němec, born in Frýdlant  
 Jan Nosek, born in Jihlava  
 Miroslava Ovcíariková, born in Trnava, Slovakia  
 Jozef Paľko, born in Detva, Slovakia  
 Veronika Petečuková, born in Brno  
 Ivo Petö, born in Košice, Slovakia  
 Kateřina Roušarová, born in Políčka  
 Peter Tokár, born in Brezno, Slovakia  
 Jana Uherková, born in Nové Město na Moravě  
 Petra Vaclová, born in Kroměříž  
 Lucie Vlková, born in Prachatice

#### Graduation ceremony on 30<sup>th</sup> July 2010 at 12:00 (noon)

In the Master degree programme of General Medicine, the following completed their studies:

Anna Barkovciová, born in Vranov nad Topľou, Slovakia  
 Matouš Biskup, born in Český Krumlov  
 Zdeňka Fartáková, born in Sušice  
 Katarína Grabanová, born in Košice, Slovakia  
 Zuzana Hajduková, born in Považská Bystrica, Slovakia  
 Jiří Jahoda, born in Příbram

Martina Jančová, born in Brezno, Slovakia  
 Pavel Kasík, born in Hořovice  
 Marek Křižo, born in Nová Baňa, Slovakia  
 Ladislava Kysilková, born in Prague  
 Michal Lepp, born in Trstená, Slovakia  
 Ivana Lochmanová, born in Mladá Boleslav  
 Lukáš Lörinc, born in Prague  
 Ondrej Majchrák, born in Prague  
 Zuzana Matějčíková, born in Slaný  
 Josef Motyka, born in Prague  
 Eva Motyková, nee Fišerová, born in Děčín  
 Lukáš Penc, born in Prague  
 Petrusová Eva, born in Michalovce, Slovakia  
 Tomáš Pluhař, born in Prague  
 Mária Podhorová, born in Žilina, Slovakia  
 Eva Potočnicková, born in Trebišov, Slovakia  
 Radka Procházková, born in Bruntál  
 Eva Rydlová, born in Jičín  
 Zuzana Szabová, born in Nové Zámky, Slovakia  
 Eva Štěpánková, born in Benešov  
 Libuše Traplová, born in Ostrava  
 Lenka Vagaská, born in Michalovce, Slovakia  
 Hana Valentová, born in Prague

#### Graduation ceremony on 30<sup>th</sup> July 2010 at 1:30 p.m.

In the Master degree programme of General Medicine, the following completed their studies with honours:

Marie Heringová, born in Karlovy Vary  
 Michaela Richterová, born in Liberec

In the Master degree programme of General Medicine, the following completed their studies:

Zuzana Balogová, born in Sobrance, Slovakia  
 Lucie Bertlová, born in Kladno  
 Klára Cincibuchová, born in Prague  
 Jana Čomajová, born in Lučenec, Slovakia  
 Lenka Delongová, born in Karviná  
 Kateřina Dušková, born in Litoměřice  
 Tereza Dvořáková, born in Příbram  
 Mária Grznárová, born in Topoľčany, Slovakia  
 Ľubica Gurčíková, born in Spišská Nová Ves, Slovakia  
 Marie Hujová, born in Hranice  
 Barbora Kafková, born in Roudnice nad Labem  
 Barbora Krejčová, born in Brno  
 Zuzana Krsková, born in Opočno  
 Eliška Kudláčková, born in Litoměřice  
 Michaela Lepeyová, born in Topoľčany, Slovakia  
 Karolína Macháčková, born in Jindřichův Hradec  
 Jana Merfaitová, born in Kladno  
 Marie Morysová, born in Ostrava-Zábřeh  
 Michaela Novotná, born in Prague  
 Miloslava Nykodemová, born in Kolín  
 Silvie Ovesná, born in Zlín  
 Jana Popovová, born in Planá  
 Daniel Rajca, born in Třinec  
 Matúš Svitek, born in Martin, Slovakia  
 Monika Urbanová, born in Prague  
 Lenka Vaculová, born in Opava  
 Pavel Vanek, born in Brno  
 Ema Zbránková, born in Kroměříž

#### Graduation ceremony on 30<sup>th</sup> July 2010 at 3:00 p.m.

In the Master degree programme of General Medicine, the following completed their studies with honours:

Michal Vočka, born in Šternberk

In the Master degree programme of General Medicine, the following completed their studies:

Renáta Bartáková, born in Prague  
 Lenka Bělinová, born in Prague  
 Katarína Blažová, born in Trnava, Slovakia  
 Jana Čapková, born in Prague  
 Jan Galko, born in Prague  
 Jozef Gémeš, born in Humenné, Slovakia  
 Lucie Golisová, born in Karviná  
 Lucie Hájková, born in Kolín  
 Hana Havlíčková, born in Kladno  
 Josef Heřman, born in Český Brod  
 Štěpán Hlava, born in Kladno  
 Lada Hůdová, born in Sušice  
 Tereza Jenerálová, born in Český Krumlov  
 Milan Karásek, born in Prague  
 Pavel Látal, born in Jindřichův Hradec  
 Iva Latnerová, born in Znojmo  
 Anna Lelková, born in Snina, Slovakia  
 Michaela Málková, born in Kolín  
 Barbora Mayzlíková, born in Ostrava  
 Pavol Mikula, born in Michalovce, Slovakia  
 Martina Rivolová, born in Roudnice nad Labem  
 Petra Sergejeva, born in Považská Bystrica, Slovakia  
 Petr Šochman, born in Jablonec nad Nisou  
 Veronika Tichá, born in Prague  
 Hana Vašková, born in Český Těšín  
 Ondřej Zapletal, born in Zlín

#### Graduation ceremony on 3<sup>rd</sup> December 2010 at 9:00 a.m.

In the Master degree programme of General Medicine, the following completed their studies:

Benedek Borislav, born in Rimavská Sobota, Slovakia  
 Both László, born in Komárno, Slovakia  
 Hajná Alžběta, born in Prague  
 Havlíková Lenka, born in Jablonec nad Nisou  
 Jandová Kateřina, born in Prague  
 Kadleček Jan, born in Ústí nad Labem  
 Kaplanová Jaroslava, born in Košice, Slovakia  
 Krejčová Denisa, born in Prague  
 Medvecký Štefan, born in Trstená, Slovakia  
 Meňhartová Emília, born in Liptovský Mikuláš, Slovakia  
 Němcová Eva, born in Jihlava  
 Nevidomyi Oleksii, born in Kyjev, Ukrajina  
 Nováková Eva, born in Prague  
 Novotná Jitka, born in Kadaň  
 Reimer Petr, born in Havířov  
 Saksún Dan, born in Prague  
 Strejčková Vanda, born in Jihlava  
 Svobodová Lucie, born in Kyjov  
 Šifra Andrej, born in Poprad, Slovakia  
 Šimečková Barbora, born in Opava  
 Šimek Jakub, born in Prague  
 Techmanová Jitka, born in Kladno  
 Václavek Josef, born in Kadaň  
 Váchal Jiří, born in Prague

#### Graduation ceremony on 3<sup>rd</sup> December 2010 at 10:30 a.m.

In the Master degree programme of General Medicine, the following completed their studies:

Bartošová Kamila, born in Havířov  
 Béresová Eva, born in Poprad, Slovakia  
 Bůžková Marie, born in Frýdek - Místek  
 Danišová Pavlína, born in Kadaň  
 Fojtík Petr, born in Rakovník

Glomba Matej, born in Bratislava, Slovakia  
 Gubániová Michala, born in Zvolen, Slovakia  
 Haviarová Daniela, born in Bratislava, Slovakia  
 Hroudová Hana, born in Jindřichův Hradec  
 Jeřábková Vladislava, born in Šumperk  
 Kotrba Ondřej, born in Prague  
 Kubátová Andrea, born in Havlíčkův Brod  
 Kubíková Lenka, born in Banská Bystrica, Slovakia  
 Matoušková Eva, born in Prostějov  
 Müller Petr, born in Brno  
 Pálová Eva, born in Banská Bystrica, Slovakia  
 Prokop Štěpán, born in Prague  
 Remešová Tereza, born in Prague  
 Seiler Jozef, born in Michalovce, Slovakia  
 Selucká Jana, born in Kadaň  
 Skálová Petra, born in Chomutov  
 Šmíd Václav, born in Hustopeče u Brna  
 Švehlíková Mirka, born in Zlín  
 Tóthová Petra, born in Banská Bystrica, Slovakia  
 Trtek Vladimír, born in Vyškov  
 Vnenčák Matej, born in Poprad, Slovakia  
 Záhradník Lukáš, born in Levoča, Slovakia

#### Graduation ceremony on 3<sup>rd</sup> December 2010 at 12:00 (noon)

In the Master degree programme of General Medicine, the following completed their studies:

Antoniou Dimitris, born in Nicosia, born in Kypr  
 Drábková Michaela, born in Pardubice  
 Hronová Julie, born in Prague  
 Hruška Petr, born in Prague  
 Hudáková Jana, born in Prague  
 Christodoulou Petros, born in Banská Bystrica, Slovakia  
 Jurčaga Martin, born in Trstená, Slovakia  
 Kazdová Marie, born in Brno  
 Králová Hana, born in Hradec Králové  
 Kulhánek Aleš, born in Čáslav  
 Mrázová Lenka, born in Havlíčkův Brod  
 Murínová Zdenka, born in Trstená, Slovakia  
 Nedbálek Alexander, born in Ostrava  
 Pavlíková Veronika, born in Bratislava, Slovakia  
 Pohorelec Tomáš, born in Detva, Slovakia  
 Račická Kateřina, born in Chrudim  
 Robinson Max Benedict Vishnu, born in Singapore, Singapore  
 Šmerusová Lenka, born in Nové Město na Moravě  
 Tušková Helena, born in Brno  
 Závodská Martina, born in Pelhřimov

In the Master degree programme of Dental Medicine, the following completed their studies:

Baader Jiří, born in Liberec  
 MUDr. Čtrnáctý Jan, born in Kladno  
 Králová Lucie, born in Ostrava  
 Pernikář Tomáš, born in Prague  
 Urbánková Kateřina, born in Prague

#### Graduation ceremony on 29<sup>th</sup> July 2010 at 9.00 a.m.

In the Master degree programme of specialization in health care, field intensive care, the following completed their studies with honours:

Bc. Teodora Jedináková, born in Topolčany  
 Bc. Lucie Králová, born in Klatovy  
 Bc. Miroslava Pialová, born in Martin, Slovakia  
 Bc. Erika Sáková, born in České Budějovice  
 Bc. Hana Svitáková, born in Pelhřimov

Further, in the Master degree programme of specialization in health care, field intensive care, the following completed their studies:

Bc. Lucie Bořilová, born in Chrudim  
 Bc. Zuzana Dancziová, born in Štúrovo, Slovakia  
 Bc. Lucie Doležalová, born in Nymburk  
 Bc. Markéta Fejfarová, born in Jičín  
 Bc. Renata Hlaváčková, born in Prague  
 Bc. Petra Jourová, born in Nymburk  
 Bc. Markéta Karlecová, born in Brandýs nad Labem  
 Bc. Jana Kasperová, born in Uherské Hradiště  
 Bc. Michaela Koubová, born in Rakovník  
 Bc. Martina Kuřová, born in Liberec  
 Bc. Sandra Marianová, born in Domažlice  
 Bc. Eva Novotná, born in Pelhřimov  
 Bc. Lucie Peluňková, born in Český Brod  
 Bc. Markéta Sálusová, born in Roudnice nad Labem  
 Bc. Monika Špačková, born in Prague  
 Bc. Karolína Víchová, born in Louny  
 Bc. Hana Zaschová, born in Jablonec nad Nisou

In the Master degree programme of specialization in health care, branch medical technology and informatics, the following completed their studies:

Bc. Jan Cimbálník, born in Uherské Hradiště  
 Bc. Ladislava Chromá, born in Třebíč  
 Bc. Simona Krejčová, born in Tábor  
 Bc. Petr Mašek, born in Frýdlant v Čechách  
 Bc. Jan Mecl, born in Slaný  
 Ing. Jaroslav Vorlíček, born in Uherské Hradiště

## IN THE BACHELOR DEGREE PROGRAMMES

### Graduation ceremony on 22<sup>th</sup> July 2010 at 9:00 a.m.

In the Bachelor degree programme of specialization in health care, branch addictology, the following completed their studies with honours:

Amalie Pavlovská, born in České Budějovice

Further, in the branch addictology, the following completed their studies:

Dominika Horáková, born in Prague  
 Markéta Hubínková, born in Český Brod  
 Jana Lávičková, born in Český Krumlov  
 Radka Matějková, born in Hořovice  
 Hana Pospíšilová, born in Prague  
 Eva Tomášková, born in Stod  
 Kateřina Vinšová, born in Plzeň

In the Bachelor degree programme of specialization in health care, branch medical technology, the following completed their studies:

Jana Bartáková, born in Prague  
 Zuzana Brožíková, born in Benešov  
 Jana Drncová, born in Liberec  
 Jaromír Fichtl, born in Prague  
 Jaroslav Kosík, born in Znojmo  
 Martin Leitner, born in Beroun  
 Petr Sák, born in České Budějovice  
 Ivan Vyletěl, born in Český Krumlov

### Graduation ceremony on 22<sup>th</sup> July 2010 at 10:30 a.m.

In the Bachelor degree programme of nursing science, branch nursing, the following completed their studies with honours:

Pavla Kafková, born in Chrudim

Further, in the branch nursing the following completed their studies:

Pavla Dufková, born in Turnov  
 Adéla Erlebachová, born in Jilemnice  
 Lucie Michala Frantesová, born in Kraslice  
 Jana Hovorková, born in Pardubice  
 Le Thi Hong Hanh, born in Vinh Phuc, Vietnam  
 Tereza Pikalová, born in Prague  
 Žofie Priharová, born in Podbořany  
 Viera Ragan Jurenková, born in Ilava, Slovakia  
 Tereza Rusnáková, born in Prague  
 Kateřina Schovancová, born in Prague  
 Monika Straková, born in Prague  
 Jana Suchá, born in Český Krumlov  
 Iva Tajovská, born in Havlíčkův Brod  
 Hana Zelená Chvojková, born in Kladno  
 Radka Zichová, born in Pelhřimov  
 Veronika Zouharová, born in Jičín

### Graduation ceremony on 22<sup>th</sup> July 2010 at 12:00 (noon)

In the Bachelor degree programme of specialization in health care, branch physiotherapy, the following completed their studies with honours:

Romana Lavičková, born in České Budějovice

Further, in the branch physiotherapy, the following completed their studies:

Dana Baxová, born in Prague  
 Ludmila Fantová, born in Plzeň  
 Michaela Hančinská, born in Trenčín, Slovakia  
 Zuzana Horniaková, born in Košice, Slovakia  
 Zuzana Klisková, born in Pardubice  
 Zuzana Kuklová, born in Tábor  
 Sendi Lagatorová, born in Valašské Meziříčí  
 Jan Ludvík, born in Prague  
 Lucie Mertlíková, born in Náchod  
 Jana Mihulková, born in Hranice na Moravě  
 Lenka Pitnerová, born in Nymburk  
 Daniel Pospíšil, born in Mělník  
 Hana Prajková, born in Kraslice  
 Klejda Tani, born in Berat, Albania  
 Dita Vobrubová, born in Prague

In the Bachelor degree programme of specialization in health care, branch occupational therapy, the following completed their studies:

Michaela Červinková, born in Turnov  
 Kateřina Dvořáková, born in Mělník  
 Žaneta Jíšová, born in Mladá Boleslav  
 Eliška Linajová, born in Litoměřice  
 Eva Lorencovičová, born in Prešov, Slovakia  
 Kateřina Macků, born in Prague  
 Markéta Prošková, born in Prague  
 Kateřina Stará, born in Prague  
 Veronika Štěpánková, born in Prague  
 Kateřina Šuláková, born in Frýdek-Místek  
 Lenka Uhrová, born in Mělník  
 Klára Vostrá, born in Rakovník  
 Jana Wisenbergová, born in Prague

### Graduation ceremony on 18<sup>th</sup> November 2010 at 9:00 a.m.

In the Bachelor degree programme of specialization in health care, branch addictology, the following completed their studies :

Monika Činátlová, born in Prague  
 Lucie Horová-Šimová, born in Nové Město na Moravě

Kateřina Mladá, born in Rakovník  
 Petra Chawa Saberžanovová, born in Prague  
 Magdalena Šafránková, born in Prague  
 Markéta Šklubalová, born in Opočno  
 Jiří Škuba, born in Prague

In the Bachelor degree programme of specialization in health care, branch physiotherapy, the following completed their studies:

Dana Fialová, born in Teplice  
 Nikoletta Georgiou, born in Limassol, Cyprus  
 Eva Krkonošková, born in Prague  
 Kateřina Křelovcová, born in Planá  
 Kateřina Valešová, born in Prague  
 Dita Vobrubová, born in Prague  
 Ammar Yaghi, born in Amman, Jordan

In the Bachelor degree programme of specialization in health care, branch medical technology, the following completed their studies:

Dana Ešlerová, born in Prague  
 Eva Kašparová, born in Nymburk

In the Bachelor degree programme of nursing science, branch nursing, the following completed their studies:

Pavla Břizová, born in Hradec Králové  
 Marie Skládalová, born in Prostějov  
 Petra Vinická, born in Prostějov



*On the occasion of the 160<sup>th</sup> birthday of Franz Hofmeister, who was born in Prague, a memorial plaque by Master artist Mr. Milan Knobloch was unveiled at the building of the Institute of Scientific Information of the First Faculty of Medicine.*



## EVALUATION OF TUITION BY STUDENTS

The Board for Evaluation of Tuition included teachers' representatives – Assoc. Prof. Eva Havrdová, Prof. Otomar Kittnar, Prof. Aleksí Šedo, Dr. Pavel Šnajdr, Dr. Tomislav Švestka – as well as representatives of the students – Jakub Albrecht, Dr. Marek Hilšer, Dr. Jiřina Hoffmannová, Martin Klein, Pavel Rutar.

Evaluation of tuition by the students has been marked by some substantial changes in the academic year 2005–2006, as it was done electronically for the first time. In the following years this was repeated, and at a time the previous year's results were analyzed. Since the academic year 2007–2008 the evaluation has been performed through the electronic form of data collection and processing within the student information system (SIS). In the academic year 2008–2009 the data collection was commenced in October 2008 and finished in October 2009.

Here is the **general evaluation of the 2010 survey**. The number of students taking part in the evaluation, compared to the years before, increased, and the total rating of the Faculty and its particular units was higher as well, like last year. Both these facts are positive, showing the increasing interest of students in the evaluation and their confidence that the evaluation of teaching is really important. Moreover, the survey proved that the last year's major reasons for complaints had been eliminated, which was reflected in better scores for the tuition. Those units whose rating was lower received a written warning from the Dean.

Perhaps one persisting problem is the fact that the number of evaluating students from the higher years of study is lower, and thereby the statistical relevance of the scores for clinical subject and clinician teachers is reduced. One of the reasons is distribution of the students among clinical institutions in smaller groups, where the number of students who meet a particular teacher is smaller than in the first two or three years of study. Some clinical institutions therefore try to devise their own paper questionnaires for students at the placement so that they can compare the results taken from the small number of student to those from a more relevant set of respondents.

Further we had to admit that the scores for the web site are again the main negative aspect in the Faculty's evaluation. The main problem to solve here is the information of the syllabi. Obviously not all units of the Faculty duly enter the syllabi in the student information system, and moreover the students are not properly informed that the syllabi can be found there. Perhaps a good idea is to enlighten the academic community and also to introduce direct links from the web pages of particular institutes and departments to the syllabi in SIS.

Really important is the fact that the number of students involved in the survey is increasing and that the rating of the Faculty in general as well as its particular units has been improving in the few past years. The only exception is the level of information at the web pages of the institutes and departments, which is still a reason for complaints.

**Evaluation of particular teachers** in the survey showed somewhat better scores as well, which in the case of those teachers who were rated as the worst last year may have improved even by one grade. The best-standing teachers received money prizes from

the Dean of the Faculty, while those worst-standing were warned in writing about the situation. Also the verbal evaluation sounded even better than in the last year.

The important thing is that in comparison with the previous years the average grade in evaluation of the teachers improved and there were less negative verbal statements too.

The **response from the units** and particular staff members was both in writing and on the phone. Their statements contain possible explanations of the negative outcome of the evaluation, as seen by the unit or teacher, often with substantiated criticism concerning statistical irrelevance and element of subjectivity in the evaluation, and sometimes expressing criticism towards the students. However, it is important that these responses also involve some proposals of future solutions to eliminate some reasons for negative evaluation.

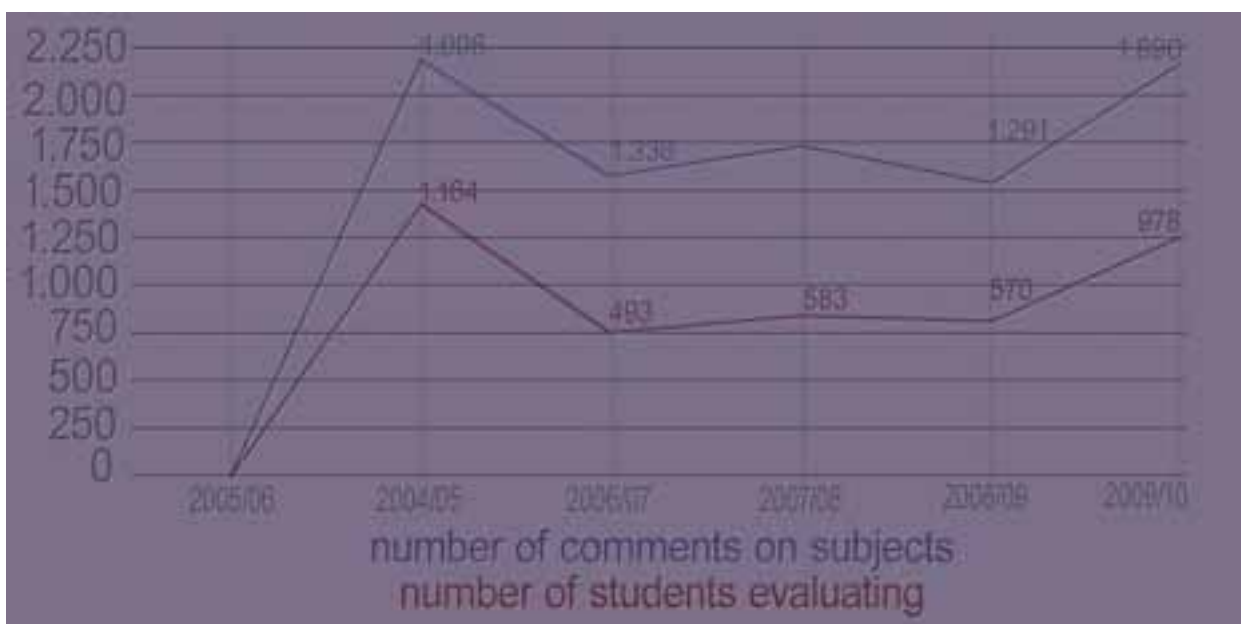
From the above fact we can conclude that the Heads of the units as well as particular teachers give serious thought to the evaluation of their work by the students and take their criticism into consideration. Necessary measures are taken whenever possible in terms of technical and staff scope, if the criticism agrees with the facts.

The questionnaire in electronic form, incorporated in the Student Information System (SIS), which facilitates the students' access to the forms for evaluation of particular subjects and institutions, has been left virtually unchanged on purpose, so that results of the evaluation can be compared with the year before. The academic community is informed of the results of the evaluation on the Faculty's web pages as well as through direct information for all Faculty units (whose Heads have received a complete survey of evaluation of their institution and staff) and relevant bodies of the Faculty. The main advantage of this system is undoubtedly the unified pattern of the forms, and therefore the possibility of comparison between particular units (some question being naturally specific for theoretical and clinical fields).

Besides this evaluation, some "local" questionnaires survive, prepared and distributed to students by particular Faculty units either during the study or after the completion of the respective subject. Their advantage is the fact that they can be "tailored" to the specific needs of tuition at the given institution. And, last but not least, chat pages have arisen on the websites of some Faculty institutions and quickly gained popularity. Their main advantage is, above all, their swiftness, flexibility and interactivity. This way the management of particular units can deal with the students' opinion virtually immediately and solve any possible problems in a very short time. This is probably the way that may prove most effective in the coming years: as the experience has shown, it enables not only the students' immediate response to the problem but also their discussion of the problem. Then the variety of attitudes among the students can be seen much better and – above all – much quicker, which will facilitate a better and quicker solution of problems on the teachers' part, considering the students' majority opinion rather than just an individual's view. This is important, as so far the limited participation of students in this evaluation (and therefore its limited statistical relevance) has been a problem.

*Prof. MUDr. Otomar Kittnar, CSc., MBA  
Vice-Dean for International Students and Social Affairs*

	2005 / 2006	2006 / 2007	2007 / 2008	2008 / 2009	2009 / 2010
Number of respondents	1,164	493	583	570	978
Number of comments	1,906	1,336	1,472	1,291	1,896
Average mark given to the Faculty	1.82	1.94	1.87	1.85	1.77



## DOCTORAL STUDY IN BIOMEDICAL SCIENCE

The last year, 2010, was the first year following the authorization of the standard four-year duration of doctoral study programmes in biomedical science and the launching of the electronic filing of doctoral theses.

Currently the Faculty possesses accreditations for 21 programmes in Czech language and 20 programmes in English, most of them being confirmed up to the academic year 2016–2017. The team of experts chairing the field boards and the team of the scientific tutors have been modified in their composition. At the First Faculty of Medicine, students in the combined form of doctoral programmes (557 out of 895) prevailed in number over those in full-time programmes in 2010. Fifty-seven students completed their studies in doctoral study programmes in biomedical science at the Faculty. The Faculty's web pages on the doctoral study programmes are updated continuously in both Czech and English version. The following charts are to provide detailed information on doctoral study programmes in biomedical science at the First Faculty of Medicine, as recorded by the Department of Science of the Dean's office.

### DOCTORAL STUDY PROGRAMMES AND THE CHAIR-PERSONS OF THE RESPECTIVE FIELD BOARDS IN 2010

- Molecular and Cellular Biology, Genetics and Virology  
Prof. RNDr. Stanislav Zdražil, DrSc., Faculty of Natural Science, Prague
- Cell Biology and Pathology  
Prof. MUDr. Milan Elleder, DrSc., First Faculty of Medicine, Prague
- Biomedical Informatics  
Prof. RNDr. Jana Zvárová, DrSc., First Faculty of Medicine, Prague
- Developmental Biology  
Doc. RNDr. Josef Nedvídek, CSc., Faculty of Natural Science, Prague
- Biochemistry and Pathobiochemistry  
Prof. MUDr. Jiří Kraml, DrSc., First Faculty of Medicine, Prague
- Human Physiology and Pathophysiology  
Prof. MUDr. Jaroslav Pokorný, DrSc., First Faculty of Medicine, Prague
- Immunology  
Doc. RNDr. Vladimír Holáň, DrSc., Faculty of Natural Science, Prague
- Microbiology  
RNDr. Jaroslav Weiser, CSc., Institute of Microbiology of Academy of Sciences of the Czech Republic
- Neurosciences  
Prof. MUDr. Karel Šonka, DrSc., First Faculty of Medicine, Prague
- Pharmacology and Toxicology  
Prof. MUDr. Sixtus Hynie, DrSc., First Faculty of Medicine, Prague
- Medical Biophysics  
Prof. MUDr. RNDr. Jiří Beneš, DrSc., First Faculty of Medicine, Prague
- Parasitology  
Prof. RNDr. Jaroslav Kulda, CSc., Faculty of Natural Science, Prague
- Experimental Surgery

Prof. MUDr. Jaroslav Živný, DrSc., First Faculty of Medicine, Prague

- Preventive Medicine  
Doc. MUDr. Alexander M. Čelko, CSc., Third Faculty of Medicine, Prague
- Gerontology  
Prof. MUDr. Eva Topinková, CSc., First Faculty of Medicine, Prague
- Psychology  
Prof. MUDr. Jiří Raboch, DrSc., First Faculty of Medicine, Prague
- Medical Ethics  
Doc. MUDr. PhDr. Jan Payne, Ph.D., First Faculty of Medicine, Prague
- History of Medicine  
Prof. PhDr. Milada Říhová, CSc., First Faculty of Medicine, Prague
- Imaging Techniques in Medicine  
Prof. MUDr. Jan Daneš, DrSc., First Faculty of Medicine, Prague
- Anthropology  
Doc. RNDr. Božena Škvařilová, CSc., Faculty of Natural Science, Prague

### DOCTORAL STUDY PROGRAMMES ACCREDITED IN CZECH AND VALIDITY OF THE ACCREDITATION

Biochemistry and Pathobiochemistry	01 Mar 2017
Cell Biology and Pathology	01 Mar 2017
Biomedical Informatics	01 Mar 2017
History of Medicine	31 Mar 2012
Experimental Surgery	01 Mar 2017
Pharmacology and Toxicology	01 Mar 2017
Human Physiology and Pathophysiology	01 Mar 2017
Gerontology	01 Mar 2017
Immunology	01 Mar 2017
Medical Biophysics	01 Mar 2017
Bioethics	10 Feb 2014
Microbiology	30 Apr 2016
Molecular and Cellular Biology, Genetics and Virology	30 Apr 2016
Neurosciences	01 Mar 2017
Parasitology	30 Apr 2016
Preventive Medicine	01 Mar 2017
Psychology	01 Nov 2018
Developmental Biology	01 Mar 2017
Imaging Techniques in Medicine	01 Aug 2015
Biomechanics	31 Dec 2013
Anthropology	01 Mar 2017

### DOCTORAL STUDY PROGRAMMES ACCREDITED IN ENGLISH AND VALIDITY OF THE ACCREDITATION

Biochemistry and Pathobiochemistry	01 Mar 2017
Biomedical Informatics	01 Mar 2017
Cell Biology and Pathology	30 Apr 2016
Developmental Biology	01 Mar 2017
Experimental Surgery	01 Mar 2017
Gerontology	01 Mar 2017
Human Physiology and Pathophysiology	01 Mar 2017
Immunology	01 Mar 2017
Medical Biophysics	01 Mar 2017

Microbiology	30 Apr 2016	Psychology	01 Nov 2018
Molecular and Cellular Biology, Genetics and Virology	30 Apr 2017	Imaging Methods in Medicine	01 Aug 2015
Neurosciences	01 Mar 2017	Bioethics	10 Feb 2014
Parasitology	30 Apr 2016	Anthropology	01 Mar 2017
Pharmacology and Toxicology	01 Mar 2017	Biomechanics	31 Dec 2013
Preventive Medicine	01 Mar 2017		

*Prof. MUDr. Tomáš Hanuš, DrSc.  
Vice-Dean for Clinical Education and Postgraduate Studies*

Survey of the number of students in the doctoral study programmes at particular Faculty institutions by the field and form of study (figures by 1 November 2010)

Name of the institution	full-time	combined	total
Institute of Anatomy	6	1	7
Institute of Medical Biochemistry	3	3	6
Institute of Biochemistry & Experimental Oncology	5	5	10
Institute of Physiology	9	6	15
Institute of Biology and Medical Genetics	3	2	5
Institute of Biophysics and Informatics	2	5	7
Institute of Pathological Physiology	20	21	41
Institute of Pharmacology	2	13	15
Institute of Hygiene and Epidemiology	4	11	15
Institute for History of Medicine and Foreign Languages	5	9	14
Institute for Humanitarian Studies in Medicine	3	12	15
Institute of Pathology	0	3	3
Institute of Nuclear Medicine	2	2	4
Institute of Immunology and Microbiology	6	11	17
Institute of Forensic Medicine and Toxicology	1	0	1
Institute of Sports Medicine	1	2	3
Institute of Sexology	7	11	18
Institute of Inherited Metabolic Disorders	8	10	18
Institute of Cell Biology	2	2	4
Institute of Clinical Biochemistry & Laboratory Medicine	16	24	40
Department of Paediatrics at Thomayer Teaching Hospital	0	1	1
Surgical Department at Thomayer Teaching Hospital	0	1	1
Department of Radiodiagnostics at TH Na Bulovce	0	1	1
Department of Orthopaedics at TH Na Bulovce	2	2	4
Surgical Department at TH Na Bulovce	0	4	4
Department of Plastic Surgery	1	3	4
Department of Gynaecology & Obstetrics at TH Na Bulovce	5	3	8
1 <sup>st</sup> Medical Department	3	8	11
Department of Nephrology	4	9	13
2 <sup>nd</sup> Medical Department	5	29	34
3 <sup>rd</sup> Medical Department	16	15	31
4 <sup>th</sup> Medical Department	3	13	16
Department of Occupational Medicine	1	1	2
1 <sup>st</sup> Department of Tuberculosis and Respiratory Diseases	0	1	1
Department of Dermatology and Venereology	1	0	1
Department of Geriatrics	2	2	4
Department of Neurology	21	23	44
Department of Psychiatry	33	28	61
Department of Radiodiagnostics	0	2	2
Department of Oncology	1	8	9

Department of Rehabilitation Medicine	3	9	12
Department of Rheumatology	7	5	12
Department of Paediatrics & Adolescent Medicine	12	11	23
1 <sup>st</sup> Surgical Department	0	4	4
3 <sup>rd</sup> Surgical Department	1	7	8
2 <sup>nd</sup> Surgical Department	0	9	9
Department of Anaesthesiology and Resuscitation	1	14	15
Department of Orthopaedics	6	6	12
Department of Urology	1	8	9
Department of ENT	5	3	8
Department of Phoniatrics	1	3	4
Department of Ophthalmology	1	6	7
Research Institute of Stomatology	3	7	10
Department of Stomatology	6	7	13
Department of Gynaecology and Obstetrics	4	25	29
3 <sup>rd</sup> Dept. of Infectious & Tropical Diseases at TH Na Bulovce	4	5	9
Department of Neurosurgery at Central Military Hospital	0	4	4
Institute of Clinical and Experimental Haematology	5	7	12
Institute of General Medicine	1	1	2
Medical Department at Central Military Hospital	1	2	3
Organizational units of First Faculty of Medicine – total	320	456	776

#### Doctoral State Examinations

Surname and first name	Title	Field	Date of examination
Al-Hiti Hikmet	MUDr.	Human Physiology and Pathophysiology	1 July 2010
Beneš Jan	MUDr.	Human Physiology and Pathophysiology	25 Mar 2010
Beneš Vladimír	MUDr.	Neurosciences	1 Feb 2010
Bízik Gustáv	MUDr.	Neurosciences	4 Oct 2010
Burda Pavel	Mgr.	Human Physiology and Pathophysiology	21 Jan 2010
Comba Lukáš	MUDr.	Preventive Medicine	22 Sep 2010
Dostálová Gabriela	MUDr.	Human Physiology and Pathophysiology	22 Apr 2010
Drahorádová Petra	MUDr.	Experimental Surgery	8 Dec 2010
Řuricová Dana	MUDr.	Human Physiology and Pathophysiology	14 Oct 2010
Dušková Daniela	MUDr.	Biochemistry and Pathobiochemistry	29 Apr 2010
Fidlerová Julie	RNDr.	Molecular and Cellular Biology, Genetics and Virology	11 Oct 2010
Gregorová Pavlína	Mgr.	Psychology	15 June 2010
Habara Peter	MUDr.	Human Physiology and Pathophysiology	23 Sep 2010
Hilšer Marek	MUDr.,Bc.	Biochemistry and Pathobiochemistry	12 Oct 2010
Hippmann Radek	MUDr.	Biomedical Informatics	15 June 2010
Horká Edita	MDDr.	Preventive Medicine	22 Sep 2010
Horová Eva	MUDr.	Human Physiology and Pathophysiology	11 Nov 2010
Hromádka Rastislav	MUDr.	Experimental Surgery	10 Nov 2010
Hubka Petr	MUDr.	Experimental Surgery	8 Dec 2010
Jakubíková Michaela	MUDr.	Neurosciences	7 June 2010
Jasová Denisa	MUDr.	Psychology	15 June 2010
Kondo Imani Hamza	MUDr.	Preventive Medicine	25 Nov 2010
Kotková Petra	PhDr.	Psychology	15 June 2010
Koucký Michal	MUDr.	Human Physiology and Pathophysiology	11 Nov 2010
Kovárník Tomáš	MUDr.	Human Physiology and Pathophysiology	16 Dec 2010
Kuchynka Petr	MUDr.	Human Physiology and Pathophysiology	22 Apr 2010
Machovcová Alena	MUDr.	Preventive Medicine	25 Nov 2010

Mader Pavel	Mgr.	Molecular and Cellular Biology, Genetics and Virology	24 May 2010
Malíková Hana	MUDr.	Neurosciences	1 Feb 2010
Mašková Lenka	Mgr.	Psychology	15 June 2010
Míková Blanka	Ing.	Biochemistry and Pathobiochemistry	29 Apr 2010
Mikulová Veronika	Mgr.	Biochemistry and Pathobiochemistry	1 Feb 2010
Mistríková Veronika	Mgr.	Cell Biology and Pathology	10 June 2010
Mohelníková-Duchoňová Beatrice	MUDr.	Preventive Medicine	22 Sep 2010
Mráz Miloš	MUDr.	Human Physiology and Pathophysiology	27 May 2010
Nytrová Petra	MUDr.	Neurosciences	29 Mar 2010
Oliverius Martin	MUDr.	Experimental Surgery	26 May 2010
Ondrušová Jiřina	MUDr.	Gerontologie	2 June 2010
Ort Michael	MUDr., Ing.	Neurosciences	7 June 2010
Panigaj Martin	Mgr.	Molecular and Cellular Biology, Genetics and Virology	2 Dec 2010
Pokorná Milana	MUDr.	Human Physiology and Pathophysiology	11 Nov 2010
Roubal Jan	MUDr.	Psychology	13 July 2010
Serranová Tereza	MUDr.	Neurosciences	7 June 2010
Skalická Lenka	MUDr.	Human Physiology and Pathophysiology	16 Dec 2010
Skarlandtová Hana	Mgr.	Human Physiology and Pathophysiology	14 Oct 2010
Smitka Kvido	MUDr.	Human Physiology and Pathophysiology	25 Feb 2010
Sosna Ondřej	MUDr.	Experimental Surgery	6 Oct 2010
Sudrová Magda	MUDr.	Human Physiology and Pathophysiology	25 Feb 2010
Syka Michael	MUDr.	Neurosciences	7 June 2010
Szabo Pavol	Mgr.	Cell Biology and Pathology	10 June 2010
Šárová Iveta	Mgr., Bc.	Molecular and Cellular Biology, Genetics and Virology	11 Oct 2010
Škorpil Jiří	MUDr.	Human Physiology and Pathophysiology	27 May 2010
Švábík Kamil	MUDr.	Experimental Surgery	23 June 2010
Tomková Mária	Mgr.	Biochemistry and Pathobiochemistry	15 Sep 2010
Uher Tomáš	MUDr.	Psychology	9 Nov 2010
Uzlíková Magdaléna	Mgr.	Parasitology	2 June 2010
Veigl David	MUDr.	Experimental Surgery	10 Nov 2010
Vobruba Václav	MUDr.	Human Physiology and Pathophysiology	25 Mar 2010
Vojtová Hana	Mgr.	Psychology	13 July 2010
Vrána David	MUDr.	Molecular and Cellular Biology, Genetics and Virology	2 Dec 2010
Vrzáčková Petra	MUDr.	Experimental Surgery	8 Dec 2010
Zemanová Milada	MUDr.	Biochemistry and Pathobiochemistry	4 May 2010
Zenáhlíková Zuzana	MUDr.	Human Physiology and Pathophysiology	25 Feb 2010
Zvolská Kamila	MUDr.	Preventive Medicine	30 June 2010
Žáčková Tamara	MUDr.	Human Physiology and Pathophysiology	27 Sep 2010

## Dissertation theses defended in the doctoral study programme

Surname, first name	Title	Field	Date of defence	Title of the thesis
Brodská Helena	MUDr.	Biochemistry and Pathobiochemistry	13 Jan 2010	Monitoring of biochemical markers of septic states
Burgetová Andrea	MUDr.	Medical Biophysics	16 Mar 2010	Multiple sclerosis and measurement of T2 relaxation time in structures of the central grey matter of the brain
Cebecauerová Dita	MUDr.	Biochemistry and Pathobiochemistry	1 Dec 2010	Genetic factors in aetiology and pathogenesis of cholestases with low gammaglutamyltransferase levels and heritable hepatites
Cimrmannová Tereza	Mgr.	Medical Ethics	30 Apr 2010	Crisis as challenge to change the quality of life (in the context of physician's relation to a patient in danger of home violence)
Doležalová Radka	MUDr.	Human Physiology and Pathophysiology	14 Oct 2010	Role of adipose tissue in development of endothelial dysfunction, atherosclerosis and other complications of the metabolic syndrome: effect of dietary and pharmacologic interventions
Forsterová Kristina	RNDr.	Molecular and Cellular Biology, Genetics and Virology	23 Sep 2010	Molecular evaluation of residual illness in chronic lymphocyte leukaemia
Fricová Jitka	MUDr.	Human Physiology and Pathophysiology	16 Dec 2010	Influencing post-operative analgesia through the type of pre-operative and post-operative medication and its objective evaluation: an experimental and clinical study
Ganger Rudolf	Dr.	Experimental Surgery	31 Mar 2010	Computer Assisted Deformity Correction using the Taylor Spatial Frame (TSF)
Glášlová Kateřina	MUDr.	Psychology	24 June 2010	Traumatic stress, dissociation and schizophrenia: psychopathologic and psychophysiological characteristics
Grus Tomáš	MUDr.	Experimental Surgery	3 Mar 2010	A contribution to haemodynamics of vessel links
Hejčl Aleš	MUDr.	Neurosciences	1 Mar 2010	Experimental bridging of spine lesion with hydrogel
Horáková Dana	MUDr.	Neurosciences	1 Mar 2010	Predictive markers for development of the clinical condition in patients with multiple sclerosis of the brain and spine
Hulíková Katarína	RNDr.	Immunology	22 Sep 2010	NKRP1C receptor-carbohydrate interaction contributes to antitumor immune response via activation of NK and B cells
Huranová Martina	Mgr.	Cell Biology and Pathology	9 Sep 2010	Assembly and recycling of functional splicing in vivo
Jeleník Tomáš	Ing.	Biochemistry and Pathobiochemistry	23 Nov 2010	Analysis of the involvement of $\alpha 2$ – AMPK in the beneficial effects of n-3 polyunsaturated fatty acids on obesity – associated metabolic derangements
Ježek Jan	RNDr.	Biochemistry and Pathobiochemistry	25 Mar 2010	Role of disengagement in reduction of reactive compounds of oxygen
Jirsová Simona	MUDr.	Human Physiology and Pathophysiology	22 Apr 2010	Influence of some environmental toxic substances on reproduction
Justinová Jana	Mgr.	Psychology	24 June 2010	Sexuality of addictive drug users
Kancheva Lyudmila	MUDr.	Human Physiology and Pathophysiology	24 June 2010	Neuroactive steroids – physiology and pathophysiology
Kideryová Linda	Mgr.	Cell Biology and Pathology	4 Mar 2010	Use of multichannel flow cytometry in biomedicine and experimental biology
Krejčí Eliška	Ing.	Developmental and Cell Biology	15 Sep 2010	Molecular mechanisms influencing the involvement of cells of the neural crest in the processes of development and homeostasis in some selected locations
Krupička Jan	MUDr.	Human Physiology and Pathophysiology	21 Jan 2010	Treatment of cardiac failure directed by the type B natriuretic peptide
Křepelka Petr	MUDr.	Medical Ethics	30 Apr 2010	A woman's free decision in indication of the caesarean section
Kudla Michal	MUDr.	Experimental Surgery	3 Mar 2010	Transplantation of the small intestine in experiment
Lejsková Magdalena	MUDr.	Gerontologie	2 June 2010	Influence of the menopause on risk factors of atherosclerosis
Lenčová Erika	MUDr.	Preventive Medicine	22 Sep 2010	Oral health of pre-school children in the aspect of influence of demographic, social and family background and of the parents' attitudes and behaviour related to the children's oral hygiene and dental care
Libánský Petr	MUDr.	Experimental Surgery	8 Sep 2010	Diagnosis and surgical treatment of primary hyperparathyreosis
Lizcová Libuše	Mgr.	Molecular and Cellular Biology, Genetics and Virology	2 Dec 2010	Analysis of complex changes of the karyotype in tumour cells and its importance for pathogenesis and prognosis of malign diseases
Lukeš Petr	MUDr.	Experimental Surgery	21 Apr 2010	Expression of NO syntases, TGF-beta 1 a EGF in patients with proven oropharyngeal infection by Helicobacter pylori and its role in pathology of the oropharynx

Macek Jílková Zuzana	Mgr.	Biochemistry and Pathobiochemistry	23 Mar 2010	The integrating role of the secretive function of adipose tissue in response to dietary and pharmacologic treatment
Mader Pavel	Mgr.	Molecular and Cellular Biology, Genetics and Virology	23 Sep 2010	Structure, Function and Inhibition of Human Carbonic Anhydrases
Maixnerová Jana	Mgr.	Biochemistry and Pathobiochemistry	20 Oct 2010	New pharmacologic interventions to influence the food intake with the focus on anorexigenous neuropeptides: CART peptide (cocaine- and-amphetamine-regulated transcript) and prolactin-releasing peptide (PrRP)
Malíková Hana	MUDr.	Neurosciences	8 Nov 2010	Mesial temporal epilepsy: Monitoring of the effect of treatment through various surgical methods with the morphologic picture detected by MRI
Malínská Hana	Mgr.	Biochemistry and Pathobiochemistry	4 May 2010	Role of oxidation stress in pathogenesis of metabolic syndrome and its complications
Manning Jasper Eugene	Dr.	Molecular and Cellular Biology, Genetics and Virology	24 May 2010	Epigenetic agents indicate expression of class I MHC glykoproteins on tumour cells and re-expression of a temporarily obscured trait in tumours of the myeloid origin
Mikula Ivan	Ing.	Biochemistry and Pathobiochemistry	15 Sep 2010	Eukaryotic a prokaryotic synthases of NO: a structural functional study
Obtřílková Petra	MUDr.	Human Physiology and Pathophysiology	27 Sep 2010	Differentiation of human embryonic stem cells into endothelial and smooth muscle cells as a model of vessel development
Páv Marek	MUDr.	Neurosciences	6 Dec 2010	Monitoring of influence of stress and impact of psychotropic drugs on levels of sub-units of trimere G proteins and cell fractions in vitro and in vivo in the context of depressive illness
Pejznochová Martina	Mgr.	Biochemistry and Pathobiochemistry	18 June 2010	The study of mitochondrial biogenesis during fetal development
Petrášek Jan	MUDr.	Biochemistry and Pathobiochemistry	1 Dec 2010	Role of toll-like receptors in pathogenesis of liver diseases
Příhodová Iva	MUDr.	Neurosciences	6 Sep 2010	Sleep and vigilance disturbances in children attention deficit hyperactivity disorder (ADHD)
Rohanová Miroslava	Mgr.	Pharmacology and Toxicology	17 Feb 2010	Biotransformation, disposition and toxikologic detection of abused psychedelic drugs phenylalkylamines
Sedlář Martin	MUDr.	Experimental Surgery	10 Mar 2010	Inflammatory response of the organism in patients after surgery of proximal femur
Smolková Katarína	Mgr.	Biochemistry and Pathobiochemistry	25 Mar 2010	A new face of cell bioenergetics
Soukup Jan	PhDr.	Psychology	24 June 2010	Dissociation in adolescence: Validation of the Czech version of the questionnaire Adolescent Dissociative Experiences Scale (A-DES) in a clinical and non-clinical set of adolescents
Spišáková Martina	Mgr.	Molecular and Cellular Biology, Genetics and Virology	24 May 2010	Character of the cell death of a host cell that has been induced by the vaccinia virus and inhibitory effect of lipo-otic acid on proliferation the vaccinia virus
Svobodová Helena	Mgr.	Human Physiology and Pathophysiology	22 Apr 2010	Importance of expression of selected leucocytic and thrombogenic markers in the process of atherogenesis
Šnajdr Pavel	MUDr.	Vývojová a buněčná biologie	15 Sep 2010	Genetic regulation of limb development
Tichá Ivana	Mgr.	Biochemistry and Pathobiochemistry	10 Mar 2010	Genetic factors responsible for the development of familial breast and ovary carcinoma
Trča Stanislav	MUDr.	Experimental Surgery	10 Mar 2010	Tissue and clinical response in pentasaccharide prevention
Tuková Jana	MUDr.	Human Physiology and Pathophysiology	27 Sep 2010	Intracellular concentration of metotrexate and MTHFR polymorphisms: Connection to clinical efficiency and toxicity of metotrexate in children with juvenile idiopathic arthritis
Vachata Petr	MUDr.	Neurosciences	1 Feb 2010	Microsurgical topographic anatomy of temporal bones and transtemporal accesses to the base of the skull
Válek Martin	MUDr.	Medical Biophysics	23 Sep 2010	Vessel accesses for haemodialysis and haemodynamics
Záhoráková Daniela	Mgr.	Biochemistry and Pathobiochemistry	23 Mar 2010	Molecular pathology of Rett syndrome
Závada Jakub	MUDr.	Human Physiology and Pathophysiology	11 Nov 2010	Importance of endothelial progenitor cells in pathogenesis of ANCA-associated vasculitis
Žák Stanislav	Mgr.	Medical Ethics	30 Apr 2010	Suicide as search of a new life
Živná Martina	Mgr.	Molecular and Cellular Biology, Genetics and Virology	11 Mar 2010	Molecular nature of familial hyperuricaemic nephropathies

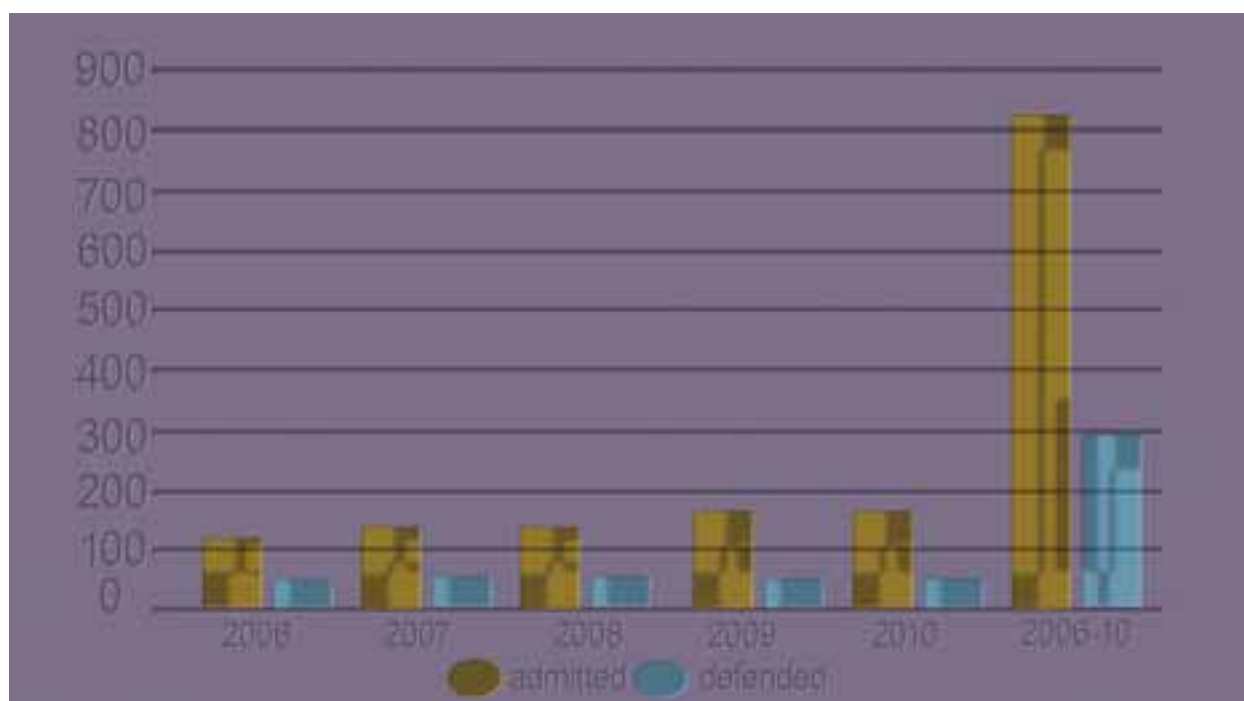


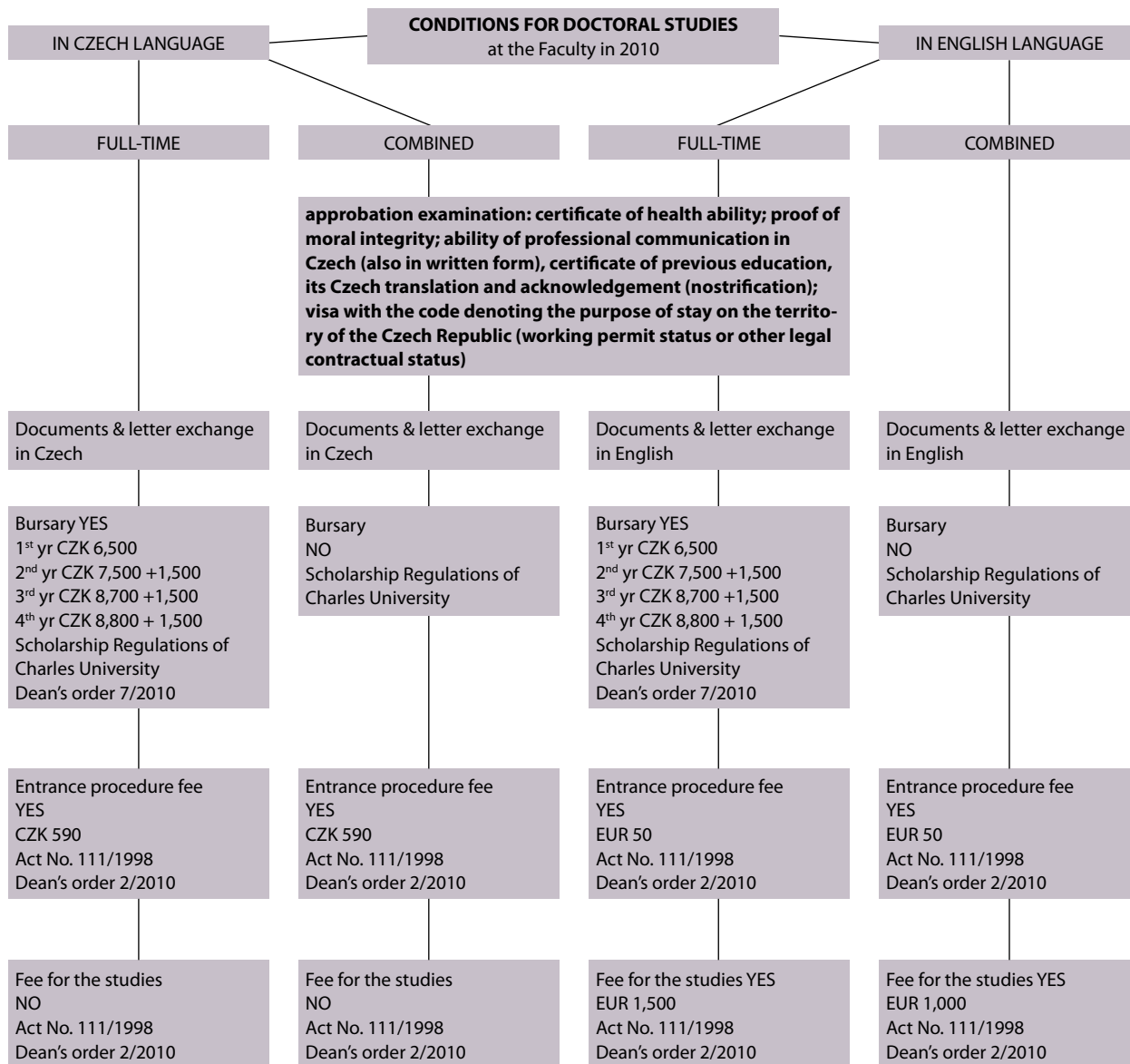
Survey of the number of students completing doctoral programmes at particular units of the First Faculty of Medicine by 1 November 2010

<b>The training Faculty institution</b>	<b>Number of alumni</b>
Department of Orthopaedics at TH Na Bulovce	1
1 <sup>st</sup> Medical Department	1
Department of Nephrology	1
3 <sup>rd</sup> Medical Department	3
4 <sup>th</sup> Medical Department	1
Department of Neurology	2
Department of Psychiatry	3
Department of Radiodiagnostics	1
Department of Paediatrics & Adolescent Medicine	4
1 <sup>st</sup> Surgical Department	2
3 <sup>rd</sup> Surgical Department at Motol Teaching Hospital	1
2 <sup>nd</sup> Surgical Department	1
Department of Anaesthesiology and Resuscitation	1
Department of ENT at Motol Teaching Hospital	1
Research Institute of Stomatology	1
Department of Gynaecology and Obstetrics	1
Institute of Anatomy	4
Institute of Biochemistry & Experimental Oncology	1
Institute for Humanitarian Studies in Medicine	3
Institute of Immunology and Microbiology	1
Institute of Forensic Medicine and Toxicology	1
Institute of Sexology	1
Institute of Inherited Metabolic Disorders	1
Institute of Cell Biology and Medical Genetics	1
Institute of Clinical Biochemistry & Laboratory Medicine	4
<b>Total</b>	<b>42</b>

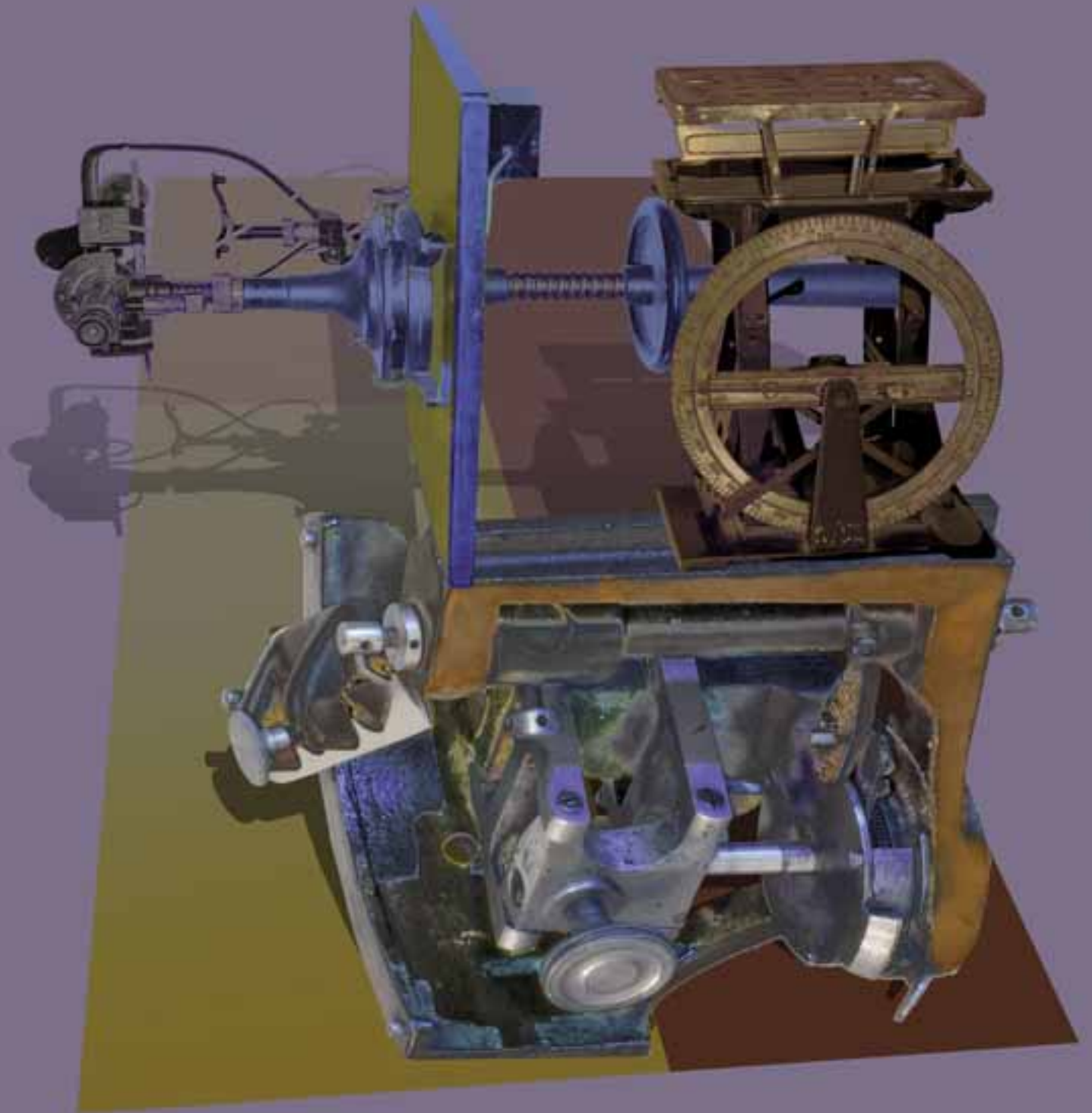
Number of students admitted and dissertation theses defended in the doctoral study programme at the First Faculty of Medicine in the past five years (2006–2010)

year	2006	2007	2008	2009	2010	2006–2010
admitted	149	185	174	172	172	852
defended	50	63	56	64	57	290





# SCIENCE AND RESEARCH, GRANT AGENDA



## SCIENCE AND RESEARCH, GRANT AGENDA

Integration of powerful science and research together with educational activity at the First Faculty of Medicine presents the basis of its prominent position among the scientific faculties of Charles University. Thanks to the institutions shared by the Faculty with the General Teaching Hospital, science has a crucial importance for the quality and standard of therapeutic care, and it is science that makes the difference in quality between standard health care facilities and top ones, representing excellence in particular specialties. Like in other European medical schools, much emphasis is on the “third role” of the university, which is the applied research and development. In this respect the criterion of success is patents and above all licences.

Nowadays the quality of science is no more judged by subjective parameters, common opinion or occasional newspaper articles on a particular topic. Every year it is evaluated according to the methodology adopted by the Government Council for Science, Research and Innovation, which enables comparisons between scientific outputs of particular institutions. The key to judge the basic and clinical research, therefore, is provided by verifiable and easily accessible basic scientometric criteria. These include the number of publications in periodicals with an impact factor and

the response in quotation, as recorded at the data base Web of Science, which testifies to usefulness of the results for the scientific community. At a time, some units of the Faculty were selected for the international audit on science by the Ministry of Education, Youth and Sport. The comparisons to institutions beyond the Faculty, based on objective data, clearly shows that the First Faculty of Medicine has been the most important institution in biomedical and clinical research within the Czech Republic. Like in the past years, the output of the First Faculty of Medicine is considerably higher than the total output of the other two medical schools in Prague altogether and is nearly double of that of the Medical Faculty of Masaryk University in Brno, which that takes the second position among medical schools in the country in scientific production. Our Faculty's scientific output is also higher than (and in many cases a multiple of) the production of those institutes of Academy of Sciences that deal with physiological, medical or molecular genetic disciplines.

In the internal aspect of the Faculty, the results of scientific work are one of the crucial criteria in evaluation of our staff. Correctness of this policy has been proved by the success in competition for funds to support new scientific projects as well as the



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fact that the funds gained for scientific research from grant agencies make up a considerable proportion of the Faculty's budget. Another positive fact is the high esteem won by most of the completed projects. The close co-operation with the General Teaching Hospital has become a tradition and is mainly important for the projects oriented towards application of biomedical science. Of course we promote collaboration with many other health care and scientific institutions as well, particularly so with the Academy of Sciences but also with a still increasing number of institutions abroad.

The trend towards following the criteria connected with professional scientific progress of our staff enables to strengthen the prestige of the Professor and Associate Professor posts gained through the appointment and habilitation procedures at our Faculty. All that is certainly positive reference for the Faculty in gaining postgraduate students, who can build up their curricula well, consequently finding a wider scope to assert their expertise – not only at a local level. One potential problem in the future is the constantly increasing disproportion in earnings between the spheres of health care and education, which puts even the top academic staff at a disadvantage in comparison to those physicians who only practice medicine.

The following charts are to document the basic parameters of scientific work at the First Faculty of Medicine, including the financial support for science from grant projects and also considering the personnel conditions of the Faculty.

#### Grant support of science and research

The grant projects run with the support of both national or international grant agencies cover all the scope of biomedical disciplines in terms of the topics. Numbers of the projects and resources of their financing are shown in the following charts.

#### Research concepts implemented in 2008

- Molecular biology and pathology of the cell in normal state and in selected clinically important pathologic processes – Prof. MUDr. Milan Elleder, DrSc.
- Molecular biological, genetic and epigenetic aspects of origination and development of model tumors of the adult age: Importance for epidemiology, early diagnosis and treatment – Prof. MUDr. Pavel Klener, DrSc.
- Metabolic, endocrine and genetic aspects of prevention, diagnosis and therapy of cardiovascular, cerebrovascular and renovascular conditions – Prof. MUDr. Jan Škrha, DrSc., MBA
- Neuropsychiatric aspects of neurodegenerative conditions – Prof. MUDr. Evžen Růžička, DrSc.

#### Other institutions' research concepts with participation of the Faculty staff

- Invasive approaches to save or regenerate the myocardium – Prof. MUDr. Michael Aschermann, DrSc.
- Prevention, diagnosis and therapy of diabetes mellitus, metabolic and endocrine impairments of the organism – Prof. MUDr. Martin Haluzík, CSc.
- Chronic diseases due to inappropriate reactivity of the immunity system, their pathogenesis, and possibilities of early diagnosis and treatment – Prof. MUDr. Ivan Šterzl, CSc.
- Use of experimental and clinical models of metabolic processes, nutrition and pharmacology for development of knowledge, clinical practice and improvement of the quality of life – Prof. MUDr. Aleš Žák, DrSc.
- Pathophysiology of neuromental diseases and its clinical applications – Assoc. Prof. MUDr. Dana Marešová, CSc.
- Molecular bases of children's neoplastic conditions and therapeutic applications – Assoc. Prof. MUDr. Zuzana Zemanová

#### Students' Scientific Conference

On 19<sup>th</sup> May 2010, our Faculty held the traditional Students' Scientific Conference, the eleventh in line after 1989. This conference, in which 73 students took part, proceeded in two sections – undergraduate and postgraduate. The undergraduate section consisted of three parts – theoretical; clinical for non-medical fields; and that reserved for nursing, addictology etc. The postgraduate section, in turn, was divided into the theoretical and clinical part, but due to the large number of participants the latter had to be judged by two boards (as clinical 1 and clinical 2). The presentations were evaluated in terms of the following (the maximum number of points given is shown in round brackets): scientific asset and knowledge of the problem area (20 points), quality of the presentation (10 points) and the student's own contribution and independence of work (5 points). A presenter could therefore be given 35 points from the board of evaluators as a maximum.

Students' presentations were given in lecture halls of the Institute of Anatomy, 2<sup>nd</sup> Medical Department, 4<sup>th</sup> Medical Department and the Great Lecture Hall of the Faculty.

The evaluating board for the theoretical part of the undergraduate section (Prof. Miloš Grim, Prof. Stanislav Štípek, Assoc. Prof. Viktor Kožich, Associate Professor David Sedmera, Ph.D.) awarded the first prize to Mr. Petr Fábera for the paper "Impact of the antagonist of gaba-B receptors SKF 97541 on epileptic subsequent discharges of the hippocampus"; an extraordinary prize was awarded to Mr. Filip Tylš for the paper "Role of AMPA glutamatergic receptors in neurobiology of schizophrenia".

In the clinical part of this section the evaluating board (Assoc. Prof. Jarmila Procházková, Prof. Miloš Langmeier, Assoc. Prof. Zdeňka Límanová) decided to award one best prize to Ms Eva Motyková for the paper "Variability in the gene for apolipoprotein E influences the efficiency of statin therapy". The evaluating board for non-medical fields (Assoc. Prof. Michal Miovský, Ms Olga Nováková, Ms Eva Marková) judged one paper as the best, which was "Correlation of thyroidal antibodies and sonographic finding on the thyroid gland in pregnant women and those after a miscarriage or abortion" by Jana Bartáková.

The evaluating board for the theoretical and pre-clinical part of the postgraduate section (Prof. Jiří Kraml, Assoc. Prof. Drahomíra Křenová, Prof. Rastislav Druga) awarded four first prizes: to Dr. Jiří Hrdý for "Properties of dendritic cells of neonate umbilical blood in babies of healthy and allergic mothers", to Ms Kateřina Váňová for the paper "Activity of haemoxygenase in estrogen-induced cholestasis: antagonistic influences of oestrogens and bile acids", to Ms Katarína Forgáčová for "'Opening' and 'closing' of niches for haematopoietic stem cells" and to Mr. Pavol Szabo for the paper "Epithelial-mesenchymal interaction – influence on chemokines production in vitro", written in English. An extraordinary prize was awarded to Ms Daniela Fornůsková for the paper "Knock-down of cytochrome c oxidase structural subunits in HEK (human embryonic kidney)-293 cells", which was presented in English.

The evaluating board for the clinical fields 1 (Prof. Pavel Klener, Assoc. Prof. Miloš Dvořák, Assoc. Prof. Pavel Maruna) awarded three first prizes: to Ms Kristýna Pimková for her paper "Protein markers of myelodysplastic syndrome for analysis by a SPR chip", MUDr. Rastislav Hromádka for "Implantation of the shoulder joint replacement specified by the sites of insertion of the rotator cuff muscles" and MUDr. Miroslav Břešťák for his "Fractional shortening of the left chamber in the first trimester as a marker of trisomy of the 21<sup>st</sup> chromosome".

The evaluating board for the clinical fields 2 (Prof. Richard Česka, Assoc. Prof. Miroslav Zeman, Assoc. Prof. Radan Brůha) awarded three first prizes to the following postgraduate students: to MUDr. Hana Skalická for the paper "Evaluation of efficiency and



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Vice-Dean for Grant Projects and Development of the Faculty

safety of intracoronary application of mononuclear blood marrow cells in patients with acute myocardial infarction with left chamber dysfunction: results of a two-year follow-up”, to MUDr. Jana Vávrová for the paper “Syndrome of restless feet in patients with disseminated sclerosis: epidemiology and genetics” and Ms Lucie Šromová for “Dynamics of dipeptidylpeptidase-IV in blood plasma and on mononuclear cells of peripheral blood in patients with rheumatoid arthritis in correlation with activity of the illness”. An extraordinary prize was awarded to John Quinn, MPH, for his paper “Posttraumatic Stress Disorder in war and disaster”, presented in English.

The award ceremony of the 11<sup>th</sup> Students’ Scientific Conference then was held at the Academic Club of the First Faculty of Medicine on 3<sup>rd</sup> June 2010 at 2 p.m.

#### National Students’ Scientific Conference 2010

On 24<sup>th</sup> and 25<sup>th</sup> November our Faculty hosted the National Students’ Scientific Conference of Bachelor and Master study programmes implemented at medical and health care faculties in the Czech Republic and the Slovak Republic. Participants at the conference were 36 undergraduate students of various Czech and Slovak medical and health faculties – besides the three Prague faculties also participants from Brno, Hradec Králové, Liberec, Olomouc, Ostrava, Plzeň, Bratislava, Košice and Martin represented their faculties.

The conference was held in three sections – Clinical fields and dentistry, Non-medical fields, and Theoretical and pre-clinical fields. In each section the students were divided into two groups – group A (giving their presentations on the first day afternoon) and group B (giving their presentations on the second day morn-

ing). In each group of the respective section one of the presentations was judged the best, so six awards were given: two of each section (clinical, theoretical and non-medical). Apart of these, two extraordinary awards were given. One of them, sponsored by the *Medical Tribune*, was exclusively for students of Dentistry, while the other was awarded by the professional weekly *Zdravotnické noviny*.

The presentations were evaluated in terms of the following (the maximum number of points given is shown in round brackets): scientific asset and knowledge of the problem area (20 points), quality of the presentation (10 points) and the student’s own contribution and independence of work (5 points). A presenter could therefore be given 35 points from the board of evaluators as a maximum.

Students’ presentations were given in the Great Session Hall of the Dean’s Office, the Little Session Hall of the Dean’s Office, and the Seminar Room of the Institute of Medical Biochemistry of the First Faculty of Medicine.

The social events for the participants at the conference (students, tutors, board members and their accompanying persons) also included a theatre performance at the theatre Na Vinohradech on 24<sup>th</sup> November 2010. Further, all participants to the conference were then invited to the closing award ceremony of the National Students’ Scientific Conference with a buffet dinner, which took place at the historic New Town Hall on 25<sup>th</sup> November 2010.

The appraising board for theoretical and pre-clinical fields (part A), composed of Assoc. Prof. Martin Modrianský, Prof. František Perlík and Assoc. Prof. Petr Pohlreich, awarded the first prize to Ms Martina Ondříková (Comenius University in Bratislava) for her pa-

per “Expression of carbonic anhydrase IX in thyroid gland carcinomas”.

The appraising board for theoretical and pre-clinical fields (part A), composed of Assoc. Prof. Mária Mareková, Assoc. Prof. Romana Šlamberová, Dr. Luboš Danišovič and Dr. Věra Křížková, awarded the first prize to Ms Kristina Johnová and Ms Aneta Kozáková (both from the Second Medical Faculty of Charles University) as co-authors of “Fluorescence analysis of radical reaction products in erythrocyte membranes in Alzheimer disease sufferers”.

The appraising board for clinical fields and dentistry (part A), composed of Prof. Zdeněk Broukal, Assoc. Prof. Miroslav Zeman and Assoc. Prof. Debora Karetová, awarded the first prize to Mr Matej Samoš (Jessenius Medical Faculty in Martin) for his paper “RAS polymorphism and subclinical inflammatory reaction in coronarographed patients” (in English language).

The appraising board for clinical fields and dentistry (part B), composed of Dr. Jozef Hatok, Assoc. Prof. Robert Holaj and Assoc. Prof. Zdeňka Límanová, awarded the first prize to Ms Michaela Reiterová (Second Medical Faculty of Charles University) for her paper “Composition of subpopulations in bone marrow identifies the differences between bone marrow failure due to aplastic anaemia and the subtype of myelodysplastic refractory cytopenia in children”.

The appraising board for non-medical fields (part A), composed of Dr. Alena Pistulková, Ms Eva Marková and Assoc. Prof. Miloslav Špunda, awarded the first prize to Mr Tomáš Jindra (First Faculty of Medicine of Charles University) for his paper “System for measurement of dynamics of accommodative-vergence synkinesis with holographic stimulation”.

The appraising board for non-medical fields (part B), composed of Ms Eva Marková, Dr. Karel Holada and Mr. Jaroslav Vacek, awarded the first prize to Ms Andrea Sakmárová (Jessenius Medical Faculty in Martin) for the paper “Prevention of infection in a patient with a central venous catheter”.

An extraordinary award from the journal *Medical Tribune* was won by Ms Jana Divilková and Ms Barbora Procházková (Medical Faculty of Palacký University in Olomouc) as co-authors of the paper “Anomaly in the number of permanent teeth in patients with complete one-sided cleft” and the extraordinary award from the journal *Zdravotnické noviny* was won by Ms Eva Provazníková (Second Medical Faculty of Charles University) for “Peroperative monitoring of activated coagulation time in carotid endarterectomy”.

*Prof. MUDr. Aleš Žák, DrSc.  
Vice-Dean for Scientific Activities*

*Prof. MUDr. Aleksi Šedo, DrSc.  
Vice-Dean for Grant Projects and Development of the Faculty*

Name of project	Type of instrument
Development of a European Measure of Best Practice for People with Long Term Mental Illness in Institutional Care (DEMoB)	6 <sup>th</sup> Framework programme
Individually Tailored Stepped Care for Women with Eating Disorders (INTACT)	6 <sup>th</sup> Framework programme
Older People's e-services at home (OLDES)	6 <sup>th</sup> Framework programme
Increasing the PaRticipation of the Elderly in Clinical Trials (PREDICT)	7 <sup>th</sup> Framework programme
Promotion and facilitation of international cooperation with Eastern European and Central Asian countries (EECALink)	7 <sup>th</sup> Framework programme
Neonatal European Study of Inhaled Steroids (NEUROSIS)	7 <sup>th</sup> Framework programme
Services and Health for Elderly In Long TERm care (SHELTER)	7 <sup>th</sup> Framework programme
Cancer Genomics of the Kidney (CAGEKID)	7 <sup>th</sup> Framework programme
Role of tobacco in ongoing studies of kidney and pancreatic cancer	World Health Organization
Follow-up of Lung and UADT Cancer Patients from the Central Europe Multicenter Case-Control Study	World Health Organization
European Network of Reference for Rare Pediatric Neurological Disease (NEUROPEAD)	PHEA
Women in Europe against Lung Cancer and Smoking (WELAS)	PHEA
European Register on Cushing's Syndrome (ERCUSYN)	PHEA
European Porphyria Network: providing better healthcare for patients and their families (EPNET)	PHEA
Best Practice in Promoting Mental Health in Socially Marginalized People in Europe (PROMO)	PHEA
EU-Dap TOT network: European Drug Abuse Prevention training of trainers network (EUDAP TOT)	PHEA
European Family Empowerment: Improving family skills to prevent alcohol and drug related problems	PHEA
Health Promotion for Young Prisoners (HPYP)	PHEA
HIV Community-based testing practices in Europe, HIV Cobatest (COBATEST)	PHEA
New trends in HIV-related risky patters of injecting drug use and drugs distribution in three Eurasian countries with substantial presence of ATDs	„U.S. Civilian Research and Development Foundation“
Marijuana Markets in the Czech Republic - Evaluating Different Drug Policy Approaches	„Foundation Open Society Institute“



## Basic parameters of scientific activity at the First Faculty of Medicine 2000–2010

Financial and personnel support							Publications and their impact						
							specifically:						
							specifically:						
	Grant funds allotted in thousands CKR	Number of grant projects incl. those submitted in GT Hospital and MH	Total manpower of the Faculty (converted to full-time positions)	Number of students in doctoral study programmes	Total number of publications	Total number of authors	Monographs and textbooks in Czech or English	Original expert and scientific publications and reviews	Original expert and scientific publications incl. reviews in journals with IF	Number of authors publishing in journals with IF	Total IF scores of the journals in which the publications occurred	Number of citations according to SCI	Number of authors quoted in SCI
2000	146,131	263 8	890.67 (+58.9) <sup>1/</sup> (+80.5) <sup>2/</sup>	471	2,517	845	129	997	290	283	504.56	3,802	337
2001	177,743	298 8	840.23 (+51.4) <sup>1/</sup> (+104.1) <sup>2/</sup>	541	2,997	969	117	947	283	356	769.61	4,720	411
2002	181,743	281 8	838.42 (+28.7) <sup>1/</sup> (+112.9) <sup>2/</sup>	597	3,353	1,028	170	923	304	403	704.28	5,852	498
2003	203,899	285 8	863.9 (+34.87) <sup>1/</sup> (+116.29) <sup>2/</sup>	657	3,235	791	110	908	345	449	902.6	7,123	420
2004	236,304	268 8	867.9 (+45.05) <sup>1/</sup> (118.92) <sup>2/</sup>	780	2,488	896	213	992	293	461	756.1	9,710	647
2005	319,565	318 3	836.25 (+68.99) <sup>1/</sup> (+197.47) <sup>2/</sup>	629	2,519	836	90	1,006	353	384	1,160.8	10,979	541
2006	360,174	319 3	840.34 (98.97) <sup>1/</sup> (+220.92) <sup>2/</sup>	878	2,676	1,167	156	977	415	555	1,294.6	13,950	678
2007	355,500	313 4	833.56 (91.06) <sup>1/</sup> (+270.46) <sup>2/</sup>	912	2,712	1,127	255	861	495	547	1,530.8	11,40	682
2008	323,074	291 4	865.08 (62.91) <sup>1/</sup> (+281.69) <sup>2/</sup>	966	2,261	1,105	161	715	430	569	1,566.3	12,510	687
2009	393,480	337 4	882.13 (+85.68) <sup>1/</sup> (271.94) <sup>2/</sup>	1,003	2,146	1,099	135	704	468	577	1,347.35	14,058	735
2010	353,594	290 4	886.18 (+86.5) <sup>1/</sup> (276.17) <sup>2/</sup>	895									

<sup>1/</sup> From grants<sup>2/</sup> From Research Concepts

Total number of authors and publications – excluding abstracts

## 2009 BIBLIOGRAPHY

For several years, the Annual Report of the First Faculty of Medicine of Charles University in Prague has presented surveys of the data collected about publishing activities of the Faculty staff members and their statistical analysis concerning particular types of the documents. In 2009, the total of 2, 146 items that fall into the categories under survey were published. The number of publishing authors from the First Faculty of Medicine was 1,099.<sup>1</sup>

By the Dean's Order 10/2009, stating the list of organization units of the First Faculty of Medicine of Charles University as well as their official names, strictly only those publications (and their possible citations) have been listed that state the allegiance to the Faculty. This measure fully meets the prospective change in the institutional funding of scientific publications by the Council for Research and Development.

The number of citations of their publications according to the Science Citation Index (SCI) and Social Science Citation Index (SSCI) of the Web of Knowledge™ data base was 14,787; this means that in spite of the said strict measures the number of citations rose to 2,277, compared to 2008.

In 2009 the total number of 577 authors from the First Faculty of Medicine of Charles University published 453 original and synoptic articles in journals with impact factors (IF). Much more important, however, is the constant rise in quality – the increase in numbers of published items and publishing authors in periodicals with high IF. (See the table and diagram “Development of publishing activity in journals with IF 2000–2009” – page 83.)

In the 2007 Annual Report of the Faculty (containing the 2006 bibliographic data), the values of the Hirsch index (h-index) were presented for the first time, both for particular authors and the First Faculty of Medicine as a whole. These values show an upward trend as well, with the h-index = 51 for the Faculty by 31<sup>st</sup> December 2008, h-index = 55 by 31<sup>st</sup> December 2009, and h-index = 61 by 31<sup>st</sup> December 2010. (See the table and diagram “Hirsch index” – page 85.) The First Faculty of Medicine shows a constant increase in this value as well.

#### Articles published in periodicals with high impact factors:

- 1 publication in a journal with IF = 47.050 (New England Journal of Medicine)
- 1 publication in a journal with IF = 34.480 (Nature)
- 1 publication in a journal with IF = 34.284 (Nature Genetics)
- 2 publications in a journal with IF = 30.758 (Lancet)
- 2 publications in a journal with IF = 18.126 (Lancet Neurology)
- 1 publication in a journal with IF = 16.225 (Annals of Internal Medicine)
- 1 publication in a journal with IF = 15.387 (Journal of Clinical Investigation)
- 1 publication in a journal with IF = 14.816 (Circulation)
- 1 publication in a journal with IF = 13.363 (Developmental Cell)

- 2 publications in a journal with IF = 12.899 (Gastroenterology)
- 1 publication in a journal with IF = 12.303 (American Journal of Human Genetics)
- 1 publication in a journal with IF = 10.689 (Journal of Respiratory and Critical Care Medicine)
- 4 publications in a journal with IF = 10.555 (Blood)
- 1 publication in a journal with IF = 9.991 (Nano Letters)
- 1 publication in a journal with IF = 9.490 (Brain)
- 1 publication in a journal with IF = 9.432 (Proceedings of the National Academy of Sciences of the USA)
- 1 publication in a journal with IF = 9.317 (Annals of Neurology)
- 1 publication in a journal with IF = 8.195 (Clinical Infectious Diseases)
- 2 publications in a journal with IF = 8.172 (Neurology)
- 8 publications in a journal with IF = 8.111 (Annals of Rheumatic Diseases)
- 2 publications in a journal with IF = 7.667 (European Urology)
- 2 publications in a journal with IF = 7.543 (Cancer Research)
- 1 publication in a journal with IF = 7.479 (Nucleic Acids Research)
- 1 publication in a journal with IF = 7.365 (Biomaterials)
- 1 publication in a journal with IF = 6.961 (Clinical Pharmacology and Therapeutics)
- 3 publications in a journal with IF = 6.887 (Human Mutation)
- 1 publication in a journal with IF = 6.718 (Diabetes Care)
- 1 publication in a journal with IF = 6.614 (Hypertension)
- 1 publication in a journal with IF = 6.373 (Critical Care Medicine)
- 1 publication in a journal with IF = 6.368 (Autoimmunity Reviews)
- 3 publications in a journal with IF = 6.043 (Journal of Bone and Mineral Research)
- 1 publication in a journal with IF = 6.012 (American Journal of Gastroenterology)
- 1 publication in a journal with IF = 5.967 (Sleep Medicine Reviews)
- 2 publications in a journal with IF = 5.751 (Journal of Medical Genetics)
- 1 publication in a journal with IF = 5.647 (Annals of Oncology)
- 1 publication in a journal with IF = 5.527 (European Respiratory Journal)
- 2 publications in a journal with IF = 5.402 (Sleep)
- 1 publication in a journal with IF = 5.262 (International Journal of Epidemiology)
- 1 publication in a journal with IF = 5.228 (Journal of Cellular and Molecular Medicine)
- 1 publication in a journal with IF = 5.155 (Biochemical Journal)
- 1 publication in a journal with IF = 5.132 (Journal of Proteome Research)

<sup>1</sup> In 2009 the Faculty management decided that neither abstracts nor their authors would be included any more. All the data for 2000–2008 were therefore adapted considering this decision. For this reason, the total number of authors as well as publications is lower, compared to the older data.

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PUBLISHED IN JOURNALS WITH THE HIGHEST IMPACT FACTORS IN 2009

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**Effect of Clopidogrel Added to Aspirin in Patients with Atrial Fibrillation.**

In: *New England Journal of Medicine*. USA, 0028–4793. 2009, 360, 20, pp. 2066–2078. IF = 47.050

Konvalinka, J. – Illnerova, H – Hobza, P – Horejsi, V – Holy, A – Jungwirth, P – Paces, V – Martásek, Pavel – Zlatuska, J

**Czech bibliometric system fosters mediocre research.**

In: *Nature*. Great Britain, 0028–0836. 2009, 460, 7259, pp. 1079–1079. IF = 34.480

Hallmayer, J. – Faraco, J. – Lin, L. – Hesselson, S. – Winkelmann, J. – Kawashima, M. – Mayer, G. – Plazzi, G. – Nevšimalová, Soňa – Bourgin, P. – Hong, SSC – Honda, Y. – Honda, M. – Höggl, B. – Longstreth, WT – Montplaisir, J. – Kemlink, David – Einen, M. – Chen, J. – Musone, SL – Akana, M. – Miyagawa, T. – Duan, J. – Desautels, A. – Erhardt, C. – Hesla, PE – Poli, F. – Frauscher, B. – Jeong, JH – Lee, SP – Ton, TGN – Kvale, M. – Kolesár, Libor – Dobrovolná, Marie et al.

**Narcolepsy is strongly associated with the T-cell receptor alpha locus.**

In: *Nature Genetics*. USA, 1061–4036. 2009, 41, 6, pp. 708–711. IF = 34.284

Mehta, A. – Beck, M. – Giugliani, R. – Linhart, Aleš – Sunder-Plassmann, G. – Schiffmann, R. – Barbey, F. – Ries, M. – Clarke, J. T. R.

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In: *Lancet*. Great Britain, 0140–6736. 2009, 374, 9706, pp. 1986–1996. IF = 30.758

Malík, Jan – Tuka, Vladimír

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Havrdová, Eva – Galetta, S. – Hutchinson, M. – Stefoski, D. – Bates, D. – Polman, CH – O'Connor, PW – Giovannoni, G. – Phillips, JT – Lublin, FD – Pace, A. – Kim, R – Hyde, R

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Mikula, Ivan – Durocher, S – Martásek, Pavel – Mutus, B – Slama-Schwok, A

**Isoform-specific differences in the nitrite reductase activity of nitric oxide synthases under hypoxia.**

In: Biochemical Journal. Great Britain, 0264-6021. 2009, 418, Part 3, pp. 673-682. IF = 5.155

Patterson, Andrew D – Slanař, Ondřej – Krausz, Kristopher W – Li, Fei – Hoefler, Constance C – Perlík, František – Gonzalez, Frank J – Idle, Jeffrey R.

**Human Urinary Metabolomic Profile of PPAR alpha Induced Fatty Acid beta-Oxidation.**

In: Journal of Proteome Research. USA, 1535-3893. 2009, 8, 9, pp. 4293-4300. IF = 5.132

*Prof. MUDr. Aleř Žák, DrSc.  
Vice-Dean for Scientific Activities*



*The press conference on the occasion of the 1,000<sup>th</sup> transplantation of haematopoietic cells at the 1<sup>st</sup> Medical Department – Clinical Department of Haematology of the First Faculty of Medicine and General Teaching Hospital. From the left: the Head of the 1<sup>st</sup> Medical Department Prof. Marek Trněný, Prof. Pavel Klener, Dr. Jan Břıza and Prof. Tomáš Zima.*

Journals with the highest IF where the Faculty staff published in 2009

<b>Title</b>	<b>ISSN</b>	<b>Country</b>	<b>IF 2009</b>
New England Journal of Medicine	0028-4793	USA	47.050
Nature	0028-0836	USA	34.480
Nature Genetics	1061-4036	USA	34.284
Lancet	0140-6736	USA	30.758
Lancet Neurology	1474-4422	Great Britain	18.126
Annals of Internal Medicine	0003-4819	USA	16.225
Journal of Clinical Investigation	0021-9738	USA	15.387
Circulation	0009-7322	USA	14.816
Developmental Cell	1534-5807	USA	13.363
Gastroenterology	0016-5085	USA	12.899
American Journal of Human Genetics	0002-9297	USA	12.303
Journal of Respiratory and Critical Care Medicine	1073-449X	USA	10.689
Blood	0006-4971	USA	10.555
Nano Letters	1530-6984	USA	9.991
Brain	0006-8950	Great Britain	9.490
Proceedings of the National Academy of Sciences of the USA	0027-8424	USA	9.432
Annals of Neurology	0364-5134	USA	9.317
Clinical Infectious Diseases	1058-4838	USA	8.195
Neurology	0028-3878	USA	8.172
Annals of Rheumatic Diseases	0003-4967	Great Britain	8.111
European Urology	0302-2838	Switzerland	7.667
Cancer Research	0008-5472	USA	7.543
Nucleic Acids Research	0305-1048	Great Britain	7.479
Biomaterials	0142-9612	Great Britain	7.365
Clinical Pharmacology and Therapeutics	0009-9236	USA	6.961
Human Mutation	1059-7794	USA	6.887
Diabetes Care	0149-5992	USA	6.718
Hypertension	0194-911X	USA	6.614
Critical Care Medicine	0090-3493	USA	6.373
Autoimmunity Reviews	1568-9972	Switzerland	6.368
Journal of Bone and Mineral Research	0884-0431	USA	6.043
American Journal of Gastroenterology	0002-9270	USA	6.012
Sleep Medicine Reviews	1087-0792	Great Britain	5.967
Journal of Medical Genetics	0022-2593	Great Britain	5.751
Annals of Oncology	0923-7534	Netherlands	5.647
European Respiratory Journal	0903-1936	Great Britain	5.527
Sleep	0161-8105	USA	5.402
International Journal of Epidemiology	0300-5771	Great Britain	5.262
Journal of Cellular and Molecular Medicine	1582-1838	Romania	5.228
Biochemical Journal	0264-6021	Great Britain	5.155
Journal of Proteome Research	1535-3893	USA	5.132



## Total publishing output of the First Faculty of Medicine in 2000-2007

Type of document	POINTS	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
primary specialist/scientific publications in journals with IF	7	228	268	297	324	271	328	389	457	379	412
primary specialist/scientific publications in journals without IF (indexed / non-indexed)	2/1.5	623	712	657	597	716	731	570	501	320	322
synoptic articles in scientific/professional journals with IF	10	62	15	7	21	22	25	26	38	42	41
synoptic articles in scientific/professional journals without IF (indexed / non-indexed)	3/2	374	235	266	311	276	275	407	360	394	382
translation of articles in scientific/professional journals, or of chapters in monographs to/from Czech language	0.25/0.5	9	39	26	55	45	12	29	31	0	0
case studies (in journals with IF / indexed / non-indexed)	3.5/1/0.75	42	31	39	44	47	51	51	53	62	64
primary articles in newspapers or popularizing scientific journals	0.2	102	85	60	101	114	1	60	85	85	8
other types of articles in scientific/professional journals	0.2	176	98	81	121	111	167	182	163	184	144
conference abstracts in scientific/professional journals with IF	2	151	271	319	298	309	359	441	483	24	10
biographic articles (anniversaries, obituaries) in scientific/professional journals	0.2	2	12	17	24	30	34	23	46	23	14
reports of conferences and professional association sessions in scientific/professional journals	0.2	22	26	29	26	33	34	41	38	12	15
letter to the editors in scientific/professional journals with IF	2	0	2	3	11	2	4	12	7	3	2
letter to the editors in scientific/professional journals without IF	0.5	11	5	6	9	8	74	7	1	9	15
publications in proceedings/collections, entries in Pharmindex, Repetitorium, Doporučené postupy in Czech/Slovak language	1	117	83	123	1,127	91	107	141	103	1	4
publications in proceedings/collections in other than Czech/Slovak language	2	80	60	68	71	61	57	49	43	114	77
chapters in monographs in Czech/Slovak language *) **)	0.5	177	206	213	184	296	424	324	277	50	46
chapters in monographs in other than Czech/Slovak language *) **)	1	22	28	24	21	38	15	23	19	216	217
monographs in Czech/Slovak language *) **)	5	60	64	55	61	52	61	55	54	17	35
monographs in other than Czech/Slovak language *) **)	10	3	0	1	0	2	6	3	1	45	34
textbooks, cyclopaedias, manuals, reference books, dictionaries, popularizing literature in Czech/Slovak language *)	0.5/0.2	63	52	114	45	120	21	94	195	4	3
textbooks, cyclopaedias, manuals, reference books, dictionaries, popularizing literature in other than Czech/Slovak language *)	1/0.4	3	1	0	4	39	2	4	5	109	91
patents and inventions	10	1	1	5	4	2	4	2	1	3	7
doctorate and professor degree dissertations and theses, MBA theses	2	3	18	11	23	12	10	11	21	10	11
scientific/educational presentations: audio, CD, film, video, DVD, 3D, multimedia, data file, SW, expert system, www-document	2	5	24	89	41	30	9	68	72	10	15
any other abstracts, miscellaneous (all except for conference abstracts in scientific/professional journals with IF)	0.15-0.3	332	932	1,162	1,099	1,218	1,262	1,533	1,466	73	16
Total number of publications		2,668	3,268	3,672	4,622	3,945	4,073	4,545	4,520	72	161
Number of authors from the First Faculty of Medicine		845	969	1,028	822	781	937	1,453	1,339	2261	2146
Total IF of publications in the category primary/synoptic article with IF		504.6	769.6	704.3	902.6	756.1	1,160.8	1,294.6	1,530.8	1,105	1,099
Number of authors from the First Faculty of Medicine, publishing in journals with IF		283	356	403	449	461	384	555	547	1566,3	1347,35
Number of quotations in SCI		3,802	4,720	5,852	7,150	9,710	10,979	13,950	11,440*	569	577
Number of authors from the First Faculty of Medicine, quoted in SCI		337	411	498	420	647	541	678	682	12,497	14,058
Number of articles with IF fulltext		290	285	307	356	295	357	427	502	686	735

1 – number of entries of the bibliographic data base

2 – number of authors who have a total of IF + SCI + BIB points > 0.0000

3 – number of IF publications in categories I-1 and II-1 (excluding case studies (V-1), letters to the editors (XIII-1) and abstracts (X-1))

4 – number of authors who have a total of IF points > 0.0000

5 – \* total of SCI points of the Faculty authors (not of citations of all publications but only of those with at least one co-author from the First Faculty of Medicine)

6 – number of authors who have a total of SCI points > 0

7 – total score for categories I-1 + II-1 + XIII-1

\*) Chapters, monographs, textbooks, cyclopaedias, reference books and translations are given the points for every commenced 5 standard ms pages printed (1 standard ms page = 30 characters per line x 60 lines per page = 1,800 characters incl. spaces) indexation - in SCOPUS, Web of Science, Medline .... data bases

\*\*) Mere fact of being the editor of first author is scored at 20 % of the total score of the publication, other authors will be given 80 % of the total score for the publication

indexed / non-indexed = journal included / not included in SCOPUS, Medline, ERIH data bases, but without an IF

## Evaluation of scientific work by organization units – 2009

Institution	RIV	BIB	SCI	IF	BIB + SCI + IF	Standing before conversion	Full-time positions	All points converted per manpower	Standing by points converted per manpower
3 <sup>rd</sup> Medical Department - Department of Endocrinology and Metabolism		517.57	1,712.83	146.77	2,377.17	1	43.90	54.15	5
Department of Neurology		184.21	1,093.00	118.01	1,395.22	2	32.75	42.60	8
Institute of Inherited Metabolic Disorders		79.67	897.00	101.43	1,078.11	3	53.15	20.28	26
Department of Paediatrics & Adolescent Medicine		91.12	850.00	90.98	1,032.09	4	36.70	28.12	19
Institute of Clinical Biochemistry & Laboratory Medicine		71.73	767.83	63.39	902.96	5	10.00	90.30	2
2 <sup>nd</sup> Medical Department - Department of Cardiovascular Medicine		102.71	693.00	25.60	821.31	6	18.65	44.04	7
Department of Psychiatry		367.75	355.00	56.20	778.96	7	59.65	13.06	41
1 <sup>st</sup> Medical Department - Department of Haematology		93.28	567.50	45.35	706.13	8	17.00	41.54	10
Institute of Hygiene and Epidemiology		88.49	581.00	23.12	692.62	9	8.70	79.61	3
Department of Gynaecology and Obstetrics		171.23	412.00	53.53	636.76	10	21.45	29.69	17
Institute of Biology and Medical Genetics		29.39	554.00	30.35	613.74	11	21.90	28.02	20
Dept. of Rheumatology of First Faculty of Medicine and Rheumatology Institute		117.52	388.00	87.68	593.21	12	3.55	167.10	1
Institute of Anatomy		107.01	422.50	37.50	567.01	13	27.09	20.93	25
Department of Nephrology		64.65	460.00	31.66	556.31	14	8.55	62.86	4
Institute of Pathological Physiology		129.42	351.50	71.22	552.14	15	41.40	13.34	40
4 <sup>th</sup> Medical Department - Department of Gastroenterology and Hepatology		117.09	303.83	42.20	463.12	16	25.00	18.52	29
Institute of Immunology and Microbiology		108.21	237.00	106.61	451.81	17	28.90	15.63	34
Institute of Medical Biochemistry		70.94	283.00	34.04	387.98	18	21.95	17.68	32
Department of Orthopaedics at Motol TH		44.05	264.00	34.80	342.85	19	7.10	48.29	6
Department of Oncology		55.95	245.00	7.21	308.16	20	7.40	41.64	9
Department of Urology		68.12	172.00	11.46	251.58	21	7.30	34.46	15
Institute of Pharmacology		20.54	199.00	26.24	245.77	22	7.65	32.13	16
Institute of Biochemistry & Experimental Oncology		43.45	168.00	25.10	236.56	23	17.00	13.92	36
Institute of Physiology		85.26	112.00	10.63	207.88	24	20.60	10.09	48
Dept. of Infectious & Tropical Diseases at TH Na Bulovce		56.64	85.00	46.56	188.20	25	10.70	17.59	33
Medical Department at Central Military Hospital		66.89	112.00	6.72	185.60	26	5.15	36.04	11
Institute of Cell Biology and Pathology		30.87	125.00	29.16	185.03	27	15.50	11.94	42
Institute of Biophysics and Informatics		30.80	133.00	8.75	172.55	28	17.50	9.86	50
Department of Radiodiagnostics		43.80	112.00	9.93	165.73	29	4.80	34.53	14
Department of ENT and Head & Neck Surgery at Motol TH		29.80	127.00	7.94	164.74	30	6.90	23.88	21
Department of Occupational Medicine		52.37	100.00	11.41	163.78	31	4.55	36.00	12
Department of Geriatrics		28.74	121.00	13.85	163.59	32	4.60	35.56	13
Institute of Pathology		37.12	117.00	8.26	162.38	33	9.05	17.94	31
Department of Neurosurgery at Central Military Hospital		49.24	68.00	16.31	133.55	34	4.65	28.72	18
3 <sup>rd</sup> Surgical Department at Motol TH		48.20	54.00	15.33	117.53	35	8.75	13.43	38
1 <sup>st</sup> Surgical Department – Dept. of Abdominal, Thoracic Surgery and Traumatology		18.55	85.00	4.77	108.31	36	12.65	8.56	53
Department of Anaesthesiology, Resuscitation and Intensive Medicine		37.02	33.50	24.40	94.92	37	5.20	18.25	30
2 <sup>nd</sup> Surgical Department – Dept. of Cardiovascular Surgery		47.83	27.00	19.26	94.08	38	4.10	22.95	23
Department of Stomatology		47.37	41.00	5.13	93.50	39	21.75	4.30	65
Institute of Sexology		49.43	27.00	15.97	92.40	40	4.40	21.00	24
Dept. of Gynaecology & Obstetrics at TH Na Bulovce		12.72	77.00	0.95	90.67	41	3.80	23.86	22
Institute of Histology and Embryology		16.56	51.00	18.93	86.49	42	12.35	7.00	56
Department of Dermatology and Venereology		32.45	50.00	3.46	85.91	43	7.20	11.93	43
Institute of Forensic Medicine and Toxicology		9.88	62.00	10.17	82.05	44	6.15	13.34	39
Institute of Humanitarian Studies in Medicine		38.58	23.00	7.83	69.41	45	8.00	8.68	52
Department of Orthopaedics at TH Na Bulovce		33.67	14.00	19.19	66.87	46	4.90	13.65	37
Institute of Dental Research		10.57	52.00	0.73	63.30	47	5.40	11.72	44
Institute of General Medicine		44.99	17.00	0.90	62.88	48	3.35	18.77	28
Institute of Public Health and Medical Law		54.73	7.00	0.00	61.73	49	6.20	9.96	49
Institute of Nuclear Medicine		5.02	46.00	3.47	54.49	50	7.05	7.73	55

Institute for History of Medicine and Foreign Languages	51.67	2.00	0.00	53.67	51	13.35	4.02	66
Institute of Sports Medicine	10.41	34.50	3.32	48.24	52	4.20	11.48	45
Institute of Nursing Theory and Practice	44.23	0.00	0.00	44.23	53	9.35	4.73	63
1 <sup>st</sup> Department of Tuberculosis and Respiratory Diseases	14.76	27.00	1.84	43.60	54	2.90	15.04	35
Department of Paediatrics at Thomayer TH	4.45	39.00	0.00	43.45	55	2.20	19.75	27
Department of Ophthalmology	22.09	17.00	2.97	42.06	56	5.00	8.41	54
Department of Rehabilitation Medicine	34.37	4.00	0.70	39.10	57	9.90	3.95	67
Surgical Department at Thomayer TH	2.27	35.00	0.00	37.27	58	3.30	11.29	46
Department of Pneumology at Thomayer TH	15.64	4.00	3.50	23.22	59	2.25	10.32	47
Surgical Department at TH Na Bulovce	9.78	6.00	5.73	21.50	60	4.15	5.18	62
Department of Phoniatics	8.73	8.00	0.00	16.73	61	3.10	5.40	60
Institute of Clinical & Experimental Haematology	6.71	5.00	4.41	16.12	62	1.80	8.96	51
Department of Plastic Surgery at TH Na Bulovce	6.55	7.00	1.55	15.10	63	2.25	6.71	57
Department of Radiodiagnostics at TH Na Bulovce	5.76	1.00	3.60	10.36	64	1.90	5.45	59
Institute of Radiation Oncology at TH Na Bulovce	1.44	7.00	1.02	9.47	65	1.70	5.57	58
Centre of Experimental Biomodels	9.13	0.00	0.00	9.13	66	1.70	5.37	61
Dept. of Anaesthesiology and Resuscitation at Thomayer TH	2.90	6.00	0.00	8.90	67	1.90	4.69	64
Department of Ophthalmology at Central Military Hospital	6.00	0.00	0.00	6.00	68	2.70	2.22	68
Institute of Physical Education	0.00	0.00	0.00	0.00	69	11.00	0.00	69
Institute of Spa Medicine	0.00	0.00	0.00	0.00	69	11.00	0.00	69
Institute of Scientific Information	0.00	0.00	0.00	0.00	69	3.00	0.00	69

## Notes:

RIV total – number of points gained under the criteria set by the Government Council for Research and Development.

BIB, SCI, IF, BIB+SCI+IF – points in the category / standing by points gained in the given category

number of full-time positions – based on the Personnel Dept. data by 31 Dec 2009

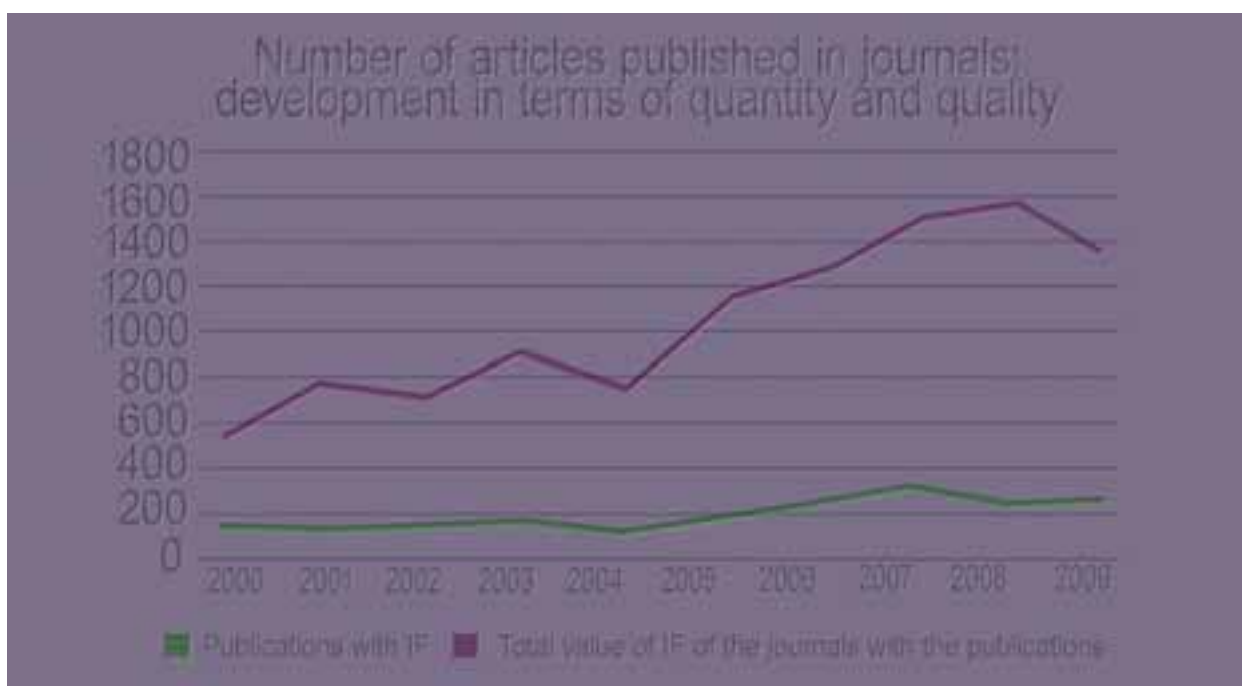
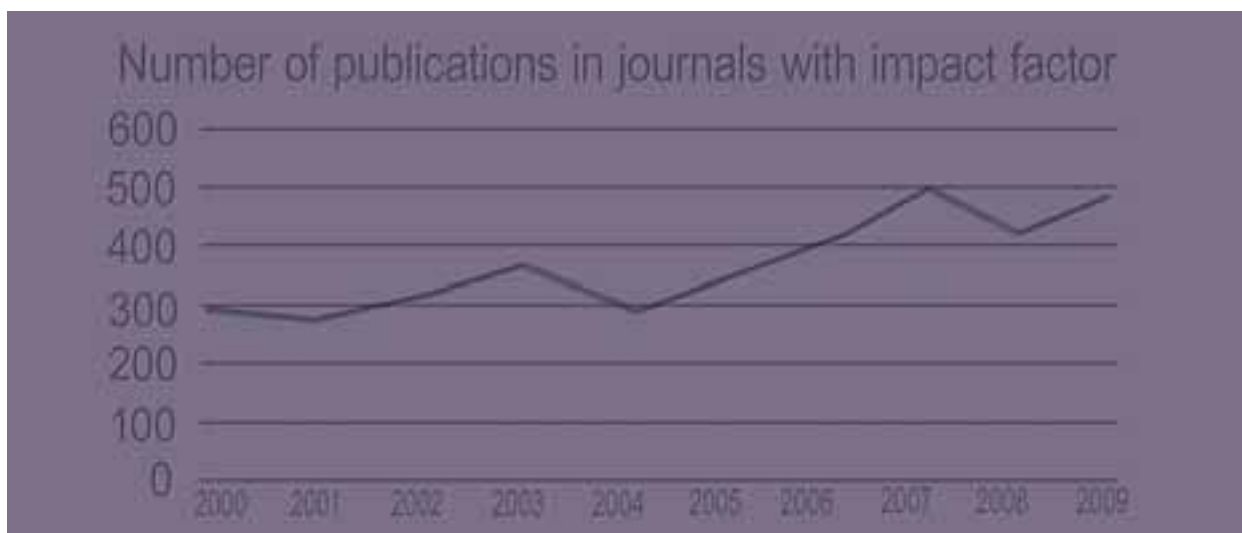


On 6<sup>th</sup> October 2010 an exhibition took place at Galery Na Hradě in Hradec Králové, presenting anatomical drawings by Josef Bavor, Ioan Helekal and Jan Kacvinský. The exhibition, unprecedented in this country in terms of its topic and scale, was opened by Prof. Miroslav Červinka, the Dean of the Medical Faculty in Hradec Králové, and Prof. Miloš Grim, the Head of the Institute of Anatomy of the First Faculty of Medicine.

## DEVELOPMENT OF PUBLISHING ACTIVITY IN JOURNALS WITH IF (NUMBER OF PUBLICATIONS – IF TOTAL IN 2000–2009)

The value of the impact factor (IF) is a bibliometric parameter which has a long tradition. It is related to the importance of the journal and its values are yearly published by the Journal Citation Report, part of the Web of Knowledge™ data base. An author's aim is always to publish in the periodical with an IF that is as high as possible (Table 1). The efforts done by the authors from the First Faculty of Medicine have been reflected in the still increasing number of papers published in journals with still higher IF values (Table 2).

	Number of publications with IF	Sum total of IF values of journals with the respective publications
2000	270	504.6
2001	287	769.6
2002	299	704.3
2003	345	902.6
2004	293	756.1
2005	353	1,160.8
2006	415	1,294.6
2007	495	1,530.8
2008	421	1,566.3
2009	452	1,345.2



## Number of publications in journals with impact factor – 2001–2009

INTERVAL IF	2001			2002			2003			2004		
	original	synoptic	total	original	synoptic	total	original	synoptic	total	original	synoptic	total
50,000–52,589	0	0	0	0	0	0	0	0	0	0	0	0
30,000–39,999	0	0	0	0	0	0	2	0	2	0	0	0
20,000–29,000	2	0	2	1	0	1	1	0	1	1	1	2
15,000–19,999	2	0	2	1	0	1	0	1	1	0	0	0
10,000–14,999	7	0	7	4	0	4	5	0	5	5	0	5
9,000–9,999	1	0	1	1	0	1	0	0	0	2	0	2
8,000–8,999	7	0	7	2	0	2	3	0	3	0	0	0
7,000–7,999	5	0	5	7	0	7	5	1	6	7	0	7
6,000–6,999	7	1	8	11	0	11	11	0	11	13	1	14
5,000–5,999	5	0	5	3	1	4	11	1	12	12	1	13
4,000–4,999	15	0	15	20	0	20	12	0	12	7	0	7
3,000–3,999	15	2	17	34	0	34	48	2	50	32	5	37
2,000–2,999	47	2	49	51	3	54	68	6	74	49	2	51
1,000–1,999	88	2	90	79	1	80	70	2	72	79	6	85
0001–0999	68	7	75	83	2	85	88	8	96	65	5	70
<b>TOTAL</b>	269	14	<b>283</b>	297	7	<b>304</b>	324	21	<b>345</b>	272	21	<b>293</b>

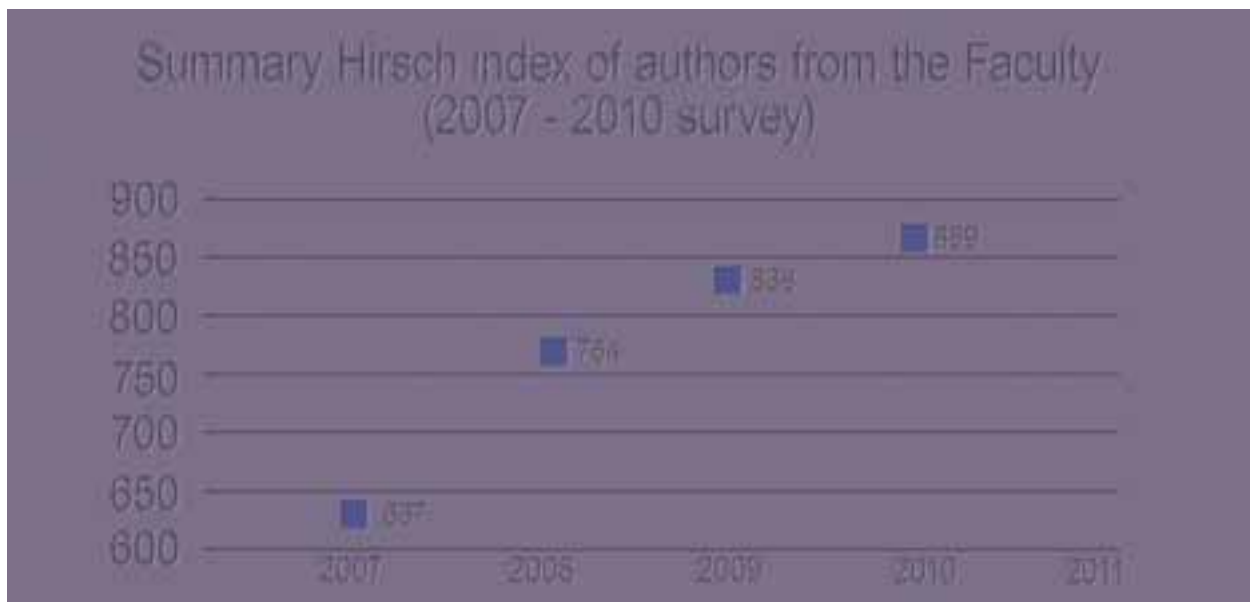
INTERVAL IF	2005			2006			2007			2008			2009		
	original	synoptic	total	original	synoptic	total	original	synoptic	total	original	synoptic	total	original	synoptic	total
50,000–52,589	0	0	0	0	0	0	2	0	2	2	0	2	0	0	0
30,000–39,999	0	0	0	3	0	3	0	0	0	10	0	10	1	0	1
20,000–29,000	6	0	6	1	0	1	2	1	3	2	1	3	0	0	0
15,000–19,999	2	0	2	2	0	2	0	0	0	2	0	2	4	0	4
10,000–14,999	11	0	11	2	2	4	6	0	6	2	1	3	9	1	10
9,000–9,999	1	0	1	1	0	1	4	0	4	1	0	1	4	0	4
8,000–8,999	3	0	3	1	4	5	2	0	2	1	1	2	6	0	6
7,000–7,999	5	0	5	12	0	12	7	0	7	10	1	11	7	2	9
6,000–6,999	7	1	8	6	0	6	6	2	8	8	2	10	9	2	11
5,000–5,999	5	0	5	20	1	21	27	3	30	20	1	21	12	2	14
4,000–4,999	29	1	30	25	1	26	33	2	35	30	1	31	35	0	35
3,000–3,999	37	2	39	52	1	53	58	10	68	47	5	52	59	5	64
2,000–2,999	64	6	70	97	3	100	95	5	100	79	7	86	85	2	87
1,000–1,999	93	4	97	75	3	78	102	10	112	129	17	146	133	10	143
0001–0999	68	8	76	91	12	103	104	14	118	41	9	50	53	18	71
<b>TOTAL</b>	331	22	<b>353</b>	388	27	<b>415</b>	448	47	<b>495</b>	384	46	<b>430</b>	417	42	<b>459</b>

## HIRSCH INDEX

The Web of Science data base enables to generate the Hirsch index (H-index ) for both particular authors and whole institutions. For the first time in 2007, this new index became part of evaluation of scientific and professional activity of the Faculty staff. In this year's evaluation we therefore have the chance to compare the development between past years. By 31<sup>st</sup> December 2007 the h-index was 46, by 31<sup>st</sup> December 2008 it has reached the value of h-index = 51, and by 31<sup>st</sup> December 2009 we reached the h-index = 55, and **by 31<sup>st</sup> December 2010** it was as high as the **h-index = 61**.

Hirsch index of authors from the First Faculty of Medicine 2007–2010

H-index	2007	2008	2009	2010
60–69	0	1	1	1
50–59	0	1	0	0
40–49	0	1	1	0
30–39	2	1	2	3
20–29	11	10	11	10
15–20	8	18	22	33
10–14	50	56	66	64
5–9	154	189	215	238
3–4	147	195	208	197
1–2	265	292	312	313
<b>TOTAL</b>	<b>637</b>	<b>764</b>	<b>838</b>	<b>859</b>



## H-index – authors from the First Faculty of Medicine – Charles University in Prague (2010 data)

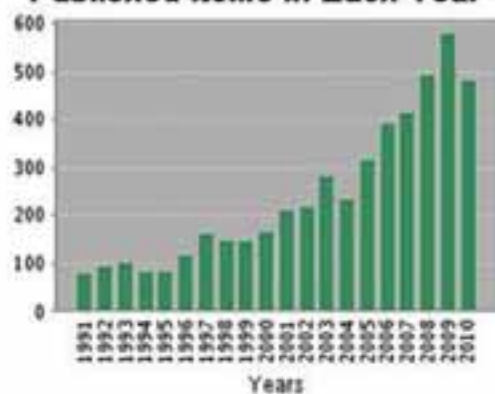
Code	Surname	First name	H-index								
351	Městecký	Jiří	63	351	Stejskalová	Věra	14	520	Wichterle	Dan	10
650	Martásek	Pavel	39	610	Zvolský	Petr	14	530	Prázný	Martin	10
160	Pravenec	Michal	32	861	Frič	Přemysl	14	530	Widimský	Jiří	10
160	Křen	Vladimír	30	110	Druga	Rastislav	13	540	Tvrzická	Eva	10
351	Říhová	Blanka	29	110	Dvořánková	Barbora	13	540	Vítek	Libor	10
641	Štěpán	Jan	29	191	Čermák	Jaroslav	13	600	Růžicka	Evžen	10
400	Houšťek	Josef	27	400	Hřebíček	Martin	13	610	Papežová	Hana	10
351	Tlaskalová-Hogenová	Helena	26	400	Kmoch	Stanislav	13	641	Gatterová	Jindřiška	10
401	Raška	Ivan	26	520	Kořínek	Josef	13	710	Pinskerová	Věra	10
641	Pavelka	Karel	24	530	Češka	Richard	13	760	Podzimek	Štěpán	10
110	Halata	Zdeněk	22	630	Petruželka	Luboš	13	790	Živný	Jaroslav	10
530	Haluzik	Martin	22	110	Petrovický	Pavel	12	110	Plzák	Jan	9
130	Hynie	Sixtus	21	150	Mourek	Jindřich	12	130	Fialová	Lenka	9
400	Elleder	Milan	21	150	Trojan	Stanislav	12	130	Klenerová	Věra	9
110	Smetana	Karel	19	180	Petrák	Jiří	12	130	Strunecká	Anna	9
530	Škrha	Jan (Jan V.)	19	190	Idle	J.R.	12	150	Langmeier	Miloš	9
130	Krejčí	Ivan	18	310	Povýšil	Ctibor	12	150	Pokorný	Jaroslav	9
200	Bencko	Vladimír	18	351	Prokešová	Ludmila	12	160	Šeda	Ondřej	9
410	Žima	Tomáš	18	351	Šírová	Milada	12	160	Šedová	Lucie	9
511	Tesař	Vladimír	18	400	Ledvinová	Jana	12	180	Krijt	Jan	9
520	Horký	Karel	18	410	Kalousová	Marta	12	180	Vyoral	Daniel	9
130	Jonák	Jiří	17	410	Šmíd	František	12	190	Farghali	Hassan	9
160	Křenová	Drahomíra	17	510	Zemanová	Zuzana	12	191	Marinov	Iuri	9
400	Kožich	Viktor	17	530	Hána	Václav	12	310	Dušková	Jaroslava	9
410	Kvasnička	Jan	17	530	Hradec	Jaromír	12	330	Fuksová	Květoslava	9
530	Marek	Josef	17	530	Kršek	Michal	12	351	Julák	Jaroslav	9
600	Nevšimalová	Soňa	17	600	Jech	Robert	12	351	Mělková	Zora	9
650	Zeman	Jiří	17	600	Šonka	Karel	12	351	Šterzl	Ivan	9
110	Grim	Miloš	16	610	Raboch	Jiří	12	360	Balíková	Marie	9
140	Mareš	Vladislav	16	760	Bártová	Jiřina	12	380	Boudová	Lea	9
180	Nečas	Emanuel	16	110	Plzáková	Zuzana	11	380	Haluzíková	Denisa	9
410	Michalová	Kyra	16	130	Crkovská	Jiřina	11	410	Jáchymová	Marie	9
510	Michalová	Kyra	16	130	Flegel	Martin	11	410	Lukáš	Milan	9
520	Linhart	Aleš	16	140	Borovanský	Jan	11	510	Kvasnička	Jan	9
600	Havrdová	Eva	16	140	Šedo	Alexi	11	530	Broulík	Petr D.	9
760	Procházková	Jarmila	16	170	Poučková	Pavla	11	530	Lacinová	Zdeňka	9
850	Nohýnková	Eva	16	180	Kornalík	František	11	530	Svačina	Štěpán	9
110	Sedmera	David	15	180	Živný	Jan H.	11	580	Štork	Jiří	9
130	Hlíňák	Zdeněk	15	400	Filípec	Martin	11	590	Topinková	Eva	9
130	Navrátil	Tomáš	15	400	Kostrouch	Zdeněk	11	641	Olejárová	Marta	9
140	Křepela	Evžen	15	410	Zemanová	Zuzana	11	641	Šenolt	Ladislav	9
160	Otová	Berta	15	530	Hilgertová	Jiřina	11	650	Doležalová	Pavla	9
520	Aschermann	Michael	15	641	Dostál	Ctibor	11	710	Sosna	Antonín	9
530	Pacovský	Vladimír	15	650	Hansíková	Hana	11	720	Hanuš	Tomáš	9
530	Schreiber	Vratislav	15	790	Fanta	Michael	11	730	Betka	Jan	9
641	Vencovský	Jiří	15	130	Pláteník	Jan	10	730	Plzák	Jan	9
790	Cibula	David	15	180	Vokurka	Martin	10	750	Heissigerová-Plšková	Jarmila	9
130	Kraml	Jiří	14	351	Holada	Karel	10	760	Dušková	Jana, MBA	9
130	Štípek	Stanislav	14	401	Cmarko	Dušan	10	790	Calda	Pavel	9
351	Kolářová	Libuše	14	410	Vítek	Libor	10	790	Kobilková	Jitka	9
				510	Neuwirtová	Radana	10	861	Zavoral	Miroslav	9

130	Kadlecová	Libuše	8	191	Vítek	Antonín	8	511	Merta	Miroslav	8
130	Malbohan	Ivan Matouš	8	200	Zvárová	Jana	8	530	Hořínek	Aleš	8
160	Hořínek	Aleš	8	240	Bob	Petr	8	530	Štulc	Tomáš	8
160	Kohoutová	Milada	8	330	Šámal	Martin	8	530	Zelinka	Tomáš	8
160	Stříbrná	Jana	8	351	Souček	Andrej	8	600	Bušková	Jitka	8
170	Vítek	František	8	400	Poupětová	Helena	8	600	Roth	Jan	8
170	Zadinová	Marie	8	410	Jirsa	Milan	8	610	Bob	Petr	8
180	Prchal	J.T.	8	410	Kocna	Petr	8	610	Pact	Ivo	8
180	Šefc	Luděk	8	437	Halaška	Michael	8	650	Mikula	Ivan	8
180	Šulc	Karel	8	510	Klener	Pavel	8	650	Tesařová	Markéta	8
191	Klamlová	Hana	8	510	Pytlík	Robert	8	760	Bradna	Pavel	8
191	Kobylka	Petr	8	511	Lachmanová	Jana	8	861	Mareček	Zdeněk	8

H-index of Charles University in Prague – the First Faculty of Medicine  
h- index = 61 (data by 31 December 2010)

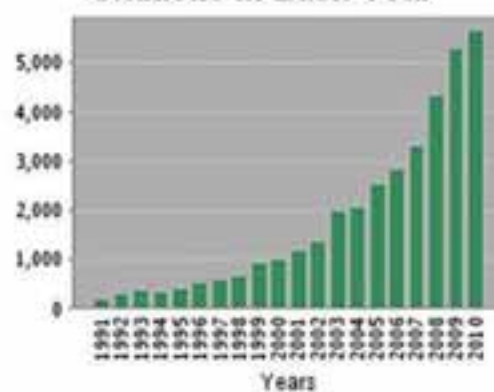
**Citation Report** Address=(charles univ in Prague) AND Address=(1st med fac) OR Address=(med fac 1) OR Address=(fac med 1)  
Timespan=1945-2010. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, COREEXPANDED, IC.  
This report reflects citations to source items indexed within Web of Science. Perform a Cited Reference Search to include citations to items not indexed within Web of Science.

### Published Items in Each Year



The latest 20 years are displayed.  
[View a graph with all years.](#)

### Citations in Each Year



The latest 20 years are displayed.  
[View a graph with all years.](#)

Results found: 5,670

Sum of the Times Cited [?]: 37,848

[View Citing Articles](#)

[View without self-citations](#)

Average Citations per Item [?]: 6.68

**h-index [?]: 61**

Source of the data: Web of Knowledge™ Thomson Reuters





*The press conference on the system of education in primary prevention of risk behaviour at schools. From the left: Prof. Jiří Raboch, Assoc. Prof. Michal Miovský and Dr. Jana Zapletalová.*



*The press conference on the occasion of the 20<sup>th</sup> anniversary of the Anti-cancer League. In the foreground Prof. Zdeněk Dientsbier.*

# THE INSTITUTE OF SCIENTIFIC INFORMATION



## INSTITUTE OF SCIENTIFIC INFORMATION

At the beginning of the academic year 2009-2010 the relocation of the Institute closed the sixty years' history of its premises in the building of the Dean's Office in Kateřinská Street. This was the history connected first building-up the Faculty's library and later the library of the Hospital, as well as with a number of renovations and enlargement (but occasionally also reduction) of the premises. That period also saw the beginning of mechanization and – in 1990s – automation of the lending and informing procedures, eventually followed by exploitation of electronic documents, which is absolutely common nowadays.

In the building at 4 U Nemocnice, a new period in the life of the Institute of Scientific Information started, connected with the up-to-date scope of work and services, new possibilities of support for science, research an education, as well as with a well-trained expert professional team. As in any other field, in librarian and information activities the particular specialities go hand in hand with the necessity to integrate them in one functional whole. The provinces of particular sections of the Institute are therefore not always so clearly delimited at first sight. Nevertheless we will try to show a survey of basic tasks completed in the views of the particular sections.

### ACQUISITION OF LIBRARY DOCUMENTS, THEIR PROCESSING AND MAKING THEM ACCESSIBLE, SAFETY OF LIBRARY COLLECTIONS

In 2010 the acquisition policy for textbook documents was modified and its two basic aspects – lists of literature recommended in the Student Information System (SIS) and the evaluated statistics of loans of particular titles. This, together with the purchases of new announced publications, provided for best access of users to the relevant titles, i.e. in such a quantity that corresponds to the amount the Faculty can allocate for the Institute of Scientific Information. Other library documents and information resources were funded through research concepts, grants and other funds beyond the Institute. This way the Institute of Scientific Information was able to offer access to 101 licensed e-resources, i.e. bibliographic and reference data bases (not only medical) as well as a collection of e-journals and e-books. Acquisition of e-resources for the next period will again be based on the statistics of the documents exploited.

Further, there has been a fundamental change in registration of the books purchased from grant money. These are not registered at the respective unit any more but rather directly with the grant holder's name or the name of the staff member who will use them. In some organization units re-registration of such books has already started within the general revision of library collections (see below). This is often welcome by the respective units. The decision to join the new system of registration, however, will always be up to the Head of the unit.

Since 2007 the documents are processed and registered through the automated library system Aleph, where innovations are implemented from the centre, at the level of the University, every year. Then these innovations are exploited by our library as well in processing and use of the library collection.

By the end of 2010 the services of the Institute of Scientific Information were provided for 8,979 users, which is 15 per cent

more than in the year before, and the figure includes not only students and teachers of our Faculty and University but also the staff of the General Teaching Hospital, and even other users among wide professional and lay public. In terms of the number of users and loans, the library of the Institute of Scientific Information is the largest medical library in the Czech Republic at the time.

### GENERAL REVISION OF LIBRARY COLLECTIONS

Basing on the Library Act (number 257/2001 Coll.) the staff of the Institute prepared the Dean's Order 5/2010 to set the rules of the general revision of library collections at the Faculty. Thanks to the flexibility and outgoing approach of the management of the General Teaching Hospital, similar rules were adopted in the Hospital as well (by the Director's Order PR-VFN 11/2010). Therefore the concurrent revision of library collections of both the Faculty and the Hospital could be performed.

The Institute of Scientific Information negotiated the schedule of revision work with particular institutes and departments so that it could be feasible for all of them. Learning about the current state of the collections at particular institutes and departments also entails checking on the content matter, which in particular will result in discarding the obsolete and disused items. Although demanding in terms of time and workload, digitalization of the old acquisition records and re-registration of books purchased on grant funds was started.

By December 2010, the first stage of revision was completed in two libraries – at the Institute of Histology and Embryology, and at the Department of Radiology. After digitalization of the acquisition records and selection of documents to be duly discarded, the second stage follows, i.e. entering the documents that the respective unit has decided to keep, in the electronic library system Aleph. The result of the revision should be a state when the library collection is sorted out and completely recorded in the general electronic catalogue of Charles University.

### SERVICES OF THE INSTITUTE OF SCIENTIFIC INFORMATION

Apart from regular loan protocol and resource room, loans of documents are also done through the inter-library service. Although it may seem that with the invasion of electronic resources to libraries the number of loans through the inter-library service will fall, this is not the case and the figures are stable. Most sought are still the full-text versions of articles (particularly from e-resources) but the demand for articles that are 40 or 50 years old does not decrease either. Requests to loan books from libraries outside Prague have increased. Thanks to the quality and scope of offer of titles in consortiums and archives of e-resources, the cost of copies of articles delivered from abroad through the international inter-library service has been sinking.

The international exchange of publications is performed by the library of the Institute of Scientific Information. The library dispatches the Faculty's professional and scientific periodicals – *Prague Medical Report* and *Acta Universitatis Carolinae – Medica* to more than 70 addresses. In 2010 the library, in turn, obtained 20 Czech and 52 foreign titles of journals, in total worth 555,495 Czech crowns.

Complex management of e-resources (issues of licences, setting of accesses, solution of technical problems, information on the offer of resources) is the domain of the Section of Reference Services and E-resource Management; e-resources have become inseparable part of the collection of the Institute of Scientific Information. According to statistical data, full-text resources have been sought more and more in the past few years. The basic bibliographic and reference data bases (MEDLINE, EMBASE, EBM Reviews, MicroMedex) and collections of e-journals of big publishing houses (Elsevier, Springer, Wiley, Oxford, BMJ, Karger) were funded from the programme of promotion of information infrastructure of science and development (INFOZ) of the Ministry of Education, Youth and Sports in 2010 – on the condition that 25 per cent of costs will be covered by the subscribing institution. This was paid by the First Faculty of Medicine thanks to the generous approach of researchers in charge of grant projects. Completely different is the situation concerning the titles by the Elsevier consortium, where the problem is solved by buying the respective titles.

Considering the high demand, the Dentistry & Oral Sciences Source data base was – following the stage of testing access – purchased in mid-2010 for dental and allied specialties. This type of resource had been missing in the offer at the Faculty, so the purchase was met with a great interest and the statistics of access to the resource keep high, showing that the data base is still more used.

Further development of the Section of Reference Services and E-resource Management is necessary, not only due to the still more increasing number of the e-resources purchased and their growing prices but also considering the users' knowledge. According to statistical data the exploitation of e-resources has kept increasing considerably, in particular the use of e-journals and recently e-books too. The usability of e-resources mainly consists in the possibility of remote access and promotion of working with them. The literature search in the e-resources purchased is another service by the Section that the users appreciate. This is rather understandable, as the professionally made literature search not only saves time which the applicant can use for development of own professional tasks and activities, including publishing activities, but above all offers professional quality. The searchers have deep knowledge of the resources offered, and the parameters of their outputs can hardly be achieved by an ordinary user, although an expert in the given field.

## RECORDING PUBLISHING ACTIVITIES AND EVALUATING SCIENTIFIC WORK

The Section of Records of Publication Items and Evaluation of Scientific Research performs all the tasks connected with collecting, processing and reporting the collected data to the registers of superior organizations, and also deals with publishing activities in general. The last year was absolutely extraordinary in terms of demanding work, considering the requirements from the Government Council for Research, Development and Innovation to complete and upgrade the data for the past five years in the Register of Information on Results (RIV). Considering the importance of the agenda, the schedule of tasks was adjusted to meet the deadlines, of course keeping in mind the quality of the records conveyed. During 2010 the section started to work on the project of the internal data base of citations of the Faculty staff members' publications. In 2011 the fundament of the data base will be tested at four of the Faculty's units in order to eliminate any defects and optimize the function. If everything comes out according to the plan, the routine operation may well start in 2012.

In 2010 the Union of Librarians and Information Staff, whose member the Institute of Scientific Information is, started the initiative to create a working group of the data-processing staff of

the institutions that collect the data for RIV. We joined the initiative and could therefore take part in setting up the programme for the next period and preparing its content matter. The issues of clear and firm rules of collecting the data, early information, stability of conditions during the collecting, retrospective adjustment of the data, keeping the data-processing staff well-informed etc. are key aspects for the correct and accurate processing of the data and subsequent entry of the records in the RIV.

The staff of the Section play an active role in the preparatory working group for development of the OBD software of DERS company, which was chosen by the University management as a tool to collect the data on publishing activities. Specific features of this task at the First Faculty of Medicine (namely collecting the data from two institutions, i.e. the Faculty and the General Teaching Hospital, when 80 per cent of authors work for both of them concurrently) make it really difficult in terms of the contents, considering the big amount of the data.

## EDUCATION AND SEMINARS

The Institute of Scientific Information participates in tuition of students in Bachelor and some Master degree programmes at the First Faculty of Medicine. The aim and objective of the training is the students' ability to use all the resources of information available for study, writing theses and professional papers, preparations for exams, presentation of their own work, job seeking, promotion of professional and scientific work, and further post-graduate studies. For these purposes, lectures on the following topics are given: *Information institutions, their services and websites; Catalogues of libraries and publishers; Use of on-line services in libraries; Evaluation of science; Bibliometric and scientometric indicators; Information cycle; Basics of literature search; Basic search in free access Google Scholar type data bases, University resources (e-journals, e-books, digital repositories);* etc. An important part of education is the final paper, in terms of contents as well as form. Therefore lectures on paper writing and verbal communication are given, such as *Presentation of a professional or scientific paper; Propagation of scientific work; Legal and ethic issues in dealing with scientific information and resources; Copyright Act in practice; Job-seeking* etc.

In the academic years 2009–2010 and 2010–2011 the system of training in information and library skills was complemented with the topic of electronic reporting, registration and publication of final papers (according to the Dean's Order 10/2010 – see *Providing access to the electronic data base of final papers* below). This set up a base for the students' easier orientation in the new system. The same problem area was dealt with in seminars for the specialty supervisors, Students' Affairs Department, Department of Science, Research and International Relations, Computer Technology Department and any other potentially interested participants from the Faculty.

In 2010 the Institute of Scientific Information organized a number of special seminars for all interested persons from the Faculty and beyond. Most frequented was the series of workshops on particular topics, such as *How to tackle e-resources, How to tackle e-journals, How to tackle e-books*. Other seminars included *“Quotation of literature and work with a reference manager”, „Web of Knowledge“, “Journal Citation Reports”, “Impact Factor”, “Hirsch index”,* and some special seminars to instruct in the general revision of library collections and data collection for RIV. At the users' special request, the instructive event *“Work with the data base MD Consult”* was organized. The data base is focused on clinical medicine, and the access until the end of 2010 was free for the Faculty according to the agreement with the Elsevier company. Among other series of seminars that met a vivid interest were *“Basic medical information”* by Dr. Richard Papík, the direc-

tor of the Institute of Information Studies and Library Science at the Faculty of Arts and Philosophy of Charles University, "Searching in EBSCO data bases", and the workshop on the just purchased data base Dentistry and Oral Sciences Source.

Most seminars were open for professional public from other institutions as well. The popularity of these seminars was enhanced by excursions to the Institute of Scientific Information, presenting its new premises and wider scope. These excursions, accompanied with professional presentations given by the staff, were asked for by some professional librarian and IT organizations as well as groups of interested colleagues from other scientific and professional libraries.

### PROVIDING ACCESS TO THE ELECTRONIC DATA BASE OF FINAL PAPERS

On 3<sup>rd</sup> May 2010 the Rector's Order 10/2010: *Providing access to the electronic data base of final papers* entered into force. Together with an appended methodological document it specifies the details of opening access to the final papers submitted for defence through the electronic data base. This order was followed and implemented by the Dean's Order 10/2010: *Rules for electronic reporting, registration and publication of final papers*. According to these Rules, all theses are to be submitted in the electronic form, checked for any possible plagiarism and only after that placed for storage in the University digital repository DigiTool. The system of electronic transmission only got started at the Faculty in the last quarter of 2010. To avoid unnecessary distortions when solving any problems in communication between the Faculty and the University, the Dean appointed the Head of the Institute of Scientific Information as a co-ordinator for communication with the Rector's Office in this sphere. All information from the Rector's Office therefore comes via her mediation and is continuously transmitted to the contact persons at particular departments (specifically the Students' Affairs Department, Department of Science, Research and International Relations, Computer Technology Department). The contact persons, in turn, are responsible for sorting the information and conveying it to the staff involved. And vice versa, the questions addressed to the Rector's Office are gathered by the co-ordinator, and with her the current problems arising around the implementation of the system at the Faculty are solved.

At its web pages in the "Info materials" section, the Institute of Scientific Information opened the reference to "University qualification theses". Here all the information necessary for meeting all technicalities required is gathered and continuously updated. In the digital repository, 36 full text qualification theses from our Faculty are stored so far.

The new system pertains to all papers submitted since the beginning of 2006. In the spring the Institute of Scientific Information performed a collective revision of all the theses from 2006-2010 that were kept in its library. In case of any defects detected, the respective expert supervisors of the particular fields were contacted and requested to secure completion or specification of the missing data. The Institute of Scientific Information also co-operated with the Students' Affairs Department, particularly so in case of inaccurate or missing personal details (mistaken names, new

surnames in female students who got married, etc.), or if the respective thesis has been entered into the system but not really submitted.

### CO-OPERATION WITH THE KAROLINUM PUBLISHING HOUSE

The Institute of Scientific Information keeps records on the publishing activities of the First Faculty of Medicine connected with the Karolinum publishing house. While 9 titles were listed in the 2010 editorial plan, 3 only were published. The other titles are still been worked on, and the authors promised to submit the texts for publication in 2011. In accordance with the endeavour of the Faculty's management to use study literature not older than five or at the most ten years, at the turn of the academic year all the units of the Faculty were requested to enter their new titles to be published in the Karolinum editorial plan for 2011. Through directed questioning and urging we managed to prepare and convey the editorial plan with 13 new textbooks, 6 scientific publications and 2 contributions for the monograph series *Acta Universitatis Carolinae – Medica*.

In 2010 the tradition of international exhibitions of medical literature was abandoned. Preference was given to short-term sale shows of particular publisher who not only exhibited, but also sold their literature at a discount which had been announced. This was mainly appreciated by the students of the Faculty.

### SECTION OF PHOTO AND VIDEO DOCUMENTATION

The output of its work includes the photographic documents of the life of the Faculty, but the main thing are videos of some important professional and scientific projects. Among others, a video about the First Faculty of Medicine was created (displayed at <http://www.lf1.cuni.cz> in both the Czech and English version), and also teaching videos for the Department of Anaesthesiology, Resuscitation and Intensive Medicine, the Department of Gynaecology and Obstetrics (international compiling DVD "Easy learning hysterectomy"), the Institute of Nursing Theory and Practice, the Department of Ophthalmology, the Department of Urology, etc. Further, digitalization of classical video cassettes from the collections of the Institute of Scientific Information, the Department of Psychiatry and the Department of Rehabilitation Medicine was performed. Throughout the year we were solving the issues of technological equipment and launching the new video studio in our new rooms at 4 U Nemocnice through purchase on the Faculty's funds, grants and the money transferred from the Institute for Postgraduate Education of Physicians.

### AWARDS

At the meeting before the Christmas, which took place on 15<sup>th</sup> December 2010, the first prize *Library of my heart* ever was awarded to Prof. Tomáš Zima, the Dean of the Faculty, in appreciation of the support that the Institute of Scientific Information has been given by the management of the Faculty.

Prof. MUDr. Aleš Žák, DrSc.  
Vice-Dean for Scientific Activities

Table 1 – Basic data of the library

Acquisition of the library collection in 2009	3,448
Total library collection	245,449
Number of titles of periodicals taken	183
• electronic titles *	23,461
Total opening hours per week	54
Number of units loaned out	208,584
Number of users of ISI	8,979
Number of users' seats in the resource room	378
Number of volumes freely accessible	13,615

\* Electronic periodicals **activated** by subscription, exchange or donation (incl. consorcial titles).

Table 2 – Structure of financial resources

	2010	2009	2008	2007
Faculty budget	217,898	697,368	774,654	687,696
Special subsidies	2,622,482	1,916,640	1,506,460	2,285,088
Sponsoring & donations	216,227	111,447	188,321	32,994
Other resources	1,025,929	971,133	601,002	607,346
<b>Total</b>	<b>4,082,536</b>	<b>3,696,588</b>	<b>3,070,437</b>	<b>3,613,124</b>

Table 3 – Number of inter-library and international loans

	2010	2009	2008	2007
Inter-library – lent	602	536	586	634
Inter-library – borrowed	1,326	1,648	1,171	858
International – borrowed	97	157	220	225
<b>Total</b>	<b>2,025</b>	<b>2,341</b>	<b>1,977</b>	<b>1,717</b>

Table 4 – The staff

Faculty		Actual number of staff	Converted to full-time positions
Total number		22	20
Out of the above	University education	8	6.7
	Librarian out of the above	6	5.6
	College education	1	1
	Librarian out of the above	0	0
	Secondary education	13	11.3
	Librarian out of the above	5	4.7

\*) employees of the Institute only (basic education included as secondary)

## LIST OF MONOGRAPHS AND TEXTBOOKS BY AUTHORS OR CO-AUTHORS FROM THE FIRST FACULTY OF MEDICINE, PUBLISHED IN 2010 (BY RESPECTIVE PUBLISHERS)

### Academia

STROUHAL, Eugen; VACHALA, Břetislav; VYMAZALOVÁ, Hana. *Lékařství starých Egyptanů I. Staroegyptská chirurgie. Péče o ženu a dítě* [Medicine of ancient Egyptians I: Ancient Egyptian surgery. Care of mother and child]. Praha: Academia, 2010. 239 pp. ISBN 978-80-2001-865-6.

### Adéla

RŮŽIČKA, Evžen; BROŽOVÁ, Hana. *Atlas of Gait Disorders*. Plzeň: Adéla, 2010. CD-ROM. ISBN 978-80-87094-01-3.

### Aprofema

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SCHREIBER, Vratislav. *Útržky paměti* [Scraps of memory]. Praha: Galén, 2010. 132 pp. ISBN 978-80-7262-647-2.

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##### Mladá fronta

MEISTER, Karel; SVAČINA, Štěpán. *S osobnostmi kolem nás, jak je možná neznáte* [With personalities around, as you may not know them]. 280 pp. Praha: Mladá fronta, 2010. ISBN 978-80-204-2364-1.



Presentation of the books *Útržky paměti* [Scraps of memory] by Prof. Vratislav Schreiber (third left) and *Poruchy metabolismu a výživy* [Disorders of metabolism and nutrition] by Prof. Štěpán Soačina (first left) was – as traditional – held at the Academic Club of the First Faculty of Medicine in Faust House.



Presentation of the book *Lékaři na dvoře Karla IV. a Jana Lucemburského* [Physicians at the court of Charles IV and John of Luxembourg] by Prof. Milada Říhová (first right) et al.

# INTERNATIONAL RELATIONS



## INTERNATIONAL RELATIONS

Like in the past years, the First Faculty of Medicine was a really frequented destination for foreign visitors seeking a placement, both students and teachers, who regularly come and enrich our academic life in new ideas and results of their research. The frequency of exchange programmes and once-only events with international participation did not grow compared to the years before. This, however, was mainly because the possibilities of international exchange in general are virtually the same and the scope for any increase in the number of both outgoing and incoming students is rather limited. For this reason the Faculty focused on the increase in quality of our international relations and deepening of the existing contracts and relations. Even though, there are some possibilities of widening the scope of international exchange, particularly thanks to the still growing number of bilateral contractual relations between Charles University and its foreign contacts worldwide. In the sphere of education and science, however, the aspect of top importance still are international contacts of particular institutes and departments of the Faculty as well as the contacts of their representatives. Among our partners are many universities and scientific institutions abroad, not only

in Europe but also in USA, Australia, Mexico, Latin America. More and more intensively, co-operation with Asian partners develops, and some of the contacts with the countries of the former Eastern Bloc are being re-established. New contacts are now made with some African countries.

In education and science, co-operation takes the form of collaboration in grant projects as well as educative activities in both undergraduate and postgraduate training, seminars and congresses. The proportion of lectures by foreign professors at the First Faculty of Medicine slightly increased, which was mainly thanks to the better use of possibilities of financing the teachers' mobility, although during 2010 some impact of the economic depression manifested itself in terms of the scope.

### International student exchange and stays abroad

It is still the case that among the medical faculties of Charles University, the First Faculty of Medicine offers the students with the widest range of international stays and fellowships. For the academic year 2010–2011, as many as 87 bilateral contracts with partners abroad were concluded or prolonged – new contracts



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Vice-Dean for Outward Relations

being made with the universities in Belfast, Bern, Santiago de Compostela and Göteborg.

A key position is still occupied by the ERASMUS programme, which now, since 2008, has become part of the innovated European strategy for educational activities, called Lifelong Learning Programme and also comprising programmes like Comenius, Grundtvig, Leonardo da Vinci or Jean Monet. Under the ERASMUS programme, altogether 160 our students travelled abroad in 2010, while the number of the incoming students froze at 127. Under the teacher mobility scheme of this programme four academic staff members travelled abroad, while ten came in.

In co-operation with the Austrian *Lions Club Wien*, directed by Prof. Herbert Ehringer, 16 students of the First Faculty of Medicine (i.e. four more than in the previous year) travelled to Austrian hospitals to take a summer placement; this co-operation has existed since 2004 and the Austrian party has sponsored the accommodation costs for some selected students.

In the past year the stays of students coming as “free movers” were minimized. This form of student exchange has been encountering the law problem of recognition of the student status beyond European exchange programmes. Under the coverage of contracts prepared by the Faculty to enable these students to take stays for the sphere of theoretical training, and at a time provide – at least to some extent – legal as well as insurance protection allowed four students to come in 2010, two of them being financed from the Visegrád funds.

A considerable activity enhancing the development of international contacts and stays of our students are the placements organized by IFMSA. For one-month placements at the units of the Faculty, 66 students were admitted, while 64 students travelled abroad, which is six more than in the year before. They travelled not only to European countries but also overseas. In 2010 we were able to support this exchange activity thanks to the General Teaching Hospital Foundation.

A new scope of options has opened for students in postgraduate doctoral programmes, which – at the level of the University – include possibilities to create combined programmes together with other universities, and also the possibility to apply for studies at NIH in USA; a new feature will be the programme prepared at Charles University for so-called “post-doc” applicants for scientific work at the University.

At a time, Charles University provides a considerable number of scholarships for various professional and language courses, in which our students regularly participate as well.

The information on bilateral connections made, scope of placements and exchange programmes is through the regularly updated web pages of the Faculty.

#### Scientific and research co-operation

Scientific projects are implemented by the First Faculty of Medicine in co-operation with a great number of institutions worldwide (see Table 2). Our institutes are more and more involved in grant projects financed from abroad, including European Union and NIH (National Institution of Health, USA) projects. International co-operation brought quite a number of publications with a high impact factor which are result of international multi-centre collaboration.

The number of prominent representatives of the First Faculty of Medicine in international professional and scientific organizations, directing committees of international projects, editorial boards and consulting boards keeps up a high level, comparable with universities in highly developed countries.

The Faculty’s aim is to achieve an even higher quality in international relations and to promote its reputation abroad. The number of concluded contracts of co-operation has reached very high figures in the recent years; now the main priority of the First Faculty of Medicine is to fill this co-operation with real content matter and – above all – top quality.

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ERASMUS programme at the First Faculty of Medicine of Charles University

Academic year	Number of contracts	Outcoming	Incoming
1999–2000	3	5	
2000–2001	4	20	
2001–2002	9	34	2
2002–2003	20	59	4
2003–2004	28	76	36
2004–2005	46	99	46
2005–2006	57	104	67
2006–2007	58	121	65
2007–2008	82	138	69
2008–2009	76	164	131
2009–2010	82	158	148
2010–2011	87	160	127

Survey of partner and co-operator universities and their institutions (source – annual reports of the Faculty departments and institutes)

School	Country		
Alexandra Hospital for Children, Sydney	Australia	John Innes Centre, Norwich	Great Britain
University of Sydney, Faculty of Medicine	Australia	King´s College Hospital, London	Great Britain
Herzchirurgie Landesklinikum St.Pölten	Austria	Royal Marsden Hospital London	Great Britain
Landesklinikum Thermenregion Mödling, Mödling	Austria	School of Clinical Sciences and Community Health, The University of Edinburgh	Great Britain
Medical University Graz	Austria	St. George's Hospital Medicine School Univ. London	Great Britain
Medical University Linz	Austria	The Royal London Hospital	Great Britain
Medical University Vienna	Austria	University College London	Great Britain
University of Vienna	Austria	University of Cambridge	Great Britain
University Hospital Innsbruck	Austria	University of Edinburgh, Edinburgh	Great Britain
Institut Julese Bordet, Brussels	Belgium	University of Newcastle upon Tyne	Great Britain
St. Pierre Para-University Hospital	Belgium	University of Nottingham, Nottingham	Great Britain
University Hospital, Leuven	Belgium	University of Oxford	Great Britain
University of Antwerpen, Antwerp University Hospital	Belgium	University of Southampton	Great Britain
University Sao Paulo	Brazil	Western General Hospital, Edinburgh	Great Britain
Université de Montreal	Canada	István-Korhász Hospital, Budapest	Hungary
University of Manitoba, Winnipeg	Canada	San Stephen Hospital, Pötöffy útca, Budapest	Hungary
University of Toronto	Canada	The National Maternity Hospital, Dublin, Rotunde Hospital, Dublin	Ireland
University Hospital, Copenhagen	Denmark	Hebrew University of Jerusalem, Jerusalem	Israel
University of Copenhagen	Denmark	Hebrew University, Hadassah School of Dental Medicine Jerusalem	Israel
Aarhus University, Aarhus	Denmark	Medical Center Holon	Israel
Hôpital Européen Georges Pompidou, Paris	France	Catholic University St. Cross, Rome	Italy
Clinique St. Germain, Brive la Gaillarde	France	Instituto Europeo di Oncologia, Milan	Italy
Hôpital Cochin Paris	France	Prima Clinica, L'Mangialli Hospital Univerista Milan	Italy
Hôpital de la Croix-Rousse Université de Lyon	France	Universita La Sapienza	Italy
Hôpital La Muette, Paris, Hôpital Sevres, Faculté de Médecine et Pharmacie L'Université de Lyon	France	University of Verona	Italy
Hôpital Lariboisière, Paris	France	University Torino	Italy
Hôpital Necker Paris	France	Hokkaido University, Sapporo	Japan
Hôpital Tenon Paris	France	Tokyo University of Tech.&Agr., Graduate School of Bio-Applications and Systems Engineering, Tokyo	Japan
Institut Gustave Roussy, Villejuif	France	Cathol. Univ. Nijmegen	Netherlands
Université Paris VI Pierre et Marie Curie, Paris	France	University Hospital Rotterdam	Netherlands
University of Grenoble	France	University of Rotterdam	Netherlands
Charité - Campus Virchow, Humboldt University Berlin	Germany	Centre Medical Amsterdam	Netherlands
Johanes Gutenberg University, Mainz	Germany	Ślaskie Centrum Chorób Serca, Zabrze	Poland
Max Planck Institut für Molekulare Genetik, Berlin	Germany	Lekárska fakulta Komenského univerzity, Bratislava	Slovakia
Teaching Hospital University of Rostock, Helios-Clinics Schwerin, Schwerin	Germany	LF J. P. Šafárika Košice	Slovakia
Universität J. W. Goethe, Frankfurt am Main	Germany	Národný onkologický ústav Bratislava, Gyn. por. klinika Martin (perinatology)	Slovakia
Universität Marburg	Germany	Biological Research Centre (CIB), C.S.I.C., Madrid	Spain
Universität Würzburg	Germany	University of Cadiz, Cadiz	Spain
University of Heidelberg, Heidelberg	Germany	Biomedical Center, Lund University	Sweden
University of Münster, Münster	Germany	Karolinska Institutet, Stockholm	Sweden
University of Tübingen, Tübingen	Germany	Karolinska Hematology Hospital, Karolinska Hematology Center, Stockholm	Sweden
University of Jena	Germany	University of Lund – Malmö, University of Göteborg	Sweden
University of Munich	Germany	Basler Kinderspital	Switzerland
Faculty of Dentistry, University of Cardiff	Great Britain	Friedrich Miescher Institut, Basel	Switzerland
Heart Hospital London	Great Britain	University of Berne, Bern	Switzerland
Charing Cross Hospital London	Great Britain		
Imperial College of Medicine, University of London	Great Britain		

University Bern, Zürich	Switzerland
Albany Medical College, Ordway Research Institute, Albany	USA
Albert Einstein College of Medicine, NY	USA
Case Western Reserve University, School of Medicine, Cleveland	USA
Center for Biologics Evaluation and Research, Food and Drug Administration, Bethesda, Maryland	USA
Center for Cancer Research, National Institute of Health, Bethesda	USA
Cold Spring Harbor Laboratory, Cold Spring Harbor	USA
Columbia University	USA
Fogarty International Center	USA
Mayo Clinic Rochester, MN	USA
National Cancer Institute, Bethesda	USA
NYU Cancer Institute, NY	USA
State University of New York at Buffalo, Buffalo, NY	USA
Texas Heart Institute, Houston, TX	USA
The Hastings Center, New York	USA
The Rockefeller University, New York	USA

University Hospital, Pittsburg	USA
University Hospital, Rochester, MN	USA
University of Arizona	USA
University of California, Berkeley, CA	USA
University of California, San Diego, CA	USA
University of Colorado, Denver	USA
University of Chicago, IL	USA
University of Iowa	USA
University of Pennsylvania School of Medicine, Philadelphia	USA
University of Texas, Dallas	USA
University of Utah, Salt Lake City	USA
University of Washington, Seattle, WA	USA
Baylor College of Medicine Houston	USA
Harvard University	USA
Wadsworth Center	USA
West Virginia University	USA
Wisconsin University, Madison	USA



Presentation of the book *Praktická andrologie dospělých* [Practical andrology of adults] by Dr. Libor Zámečník, FEBU, et al.





*The patron of the book *Kolébka české medicíny* [The cradle of Czech medicine] was Mrs. Jiřina Jirásková, the prominent Czech actress.*



*One of the guests to the “Chair for Faust” in the Academic Club of the First Faculty of Medicine in Faust House was the famous actor and singer Mr. Jiří Suchý. The event met a keen interest among the academic community of the Faculty.*

# OUTWARD RELATIONS



## OUTWARD RELATIONS

It has become traditional that at the beginning of each academic year the First Faculty of Medicine organizes the Medic Prom Ball and the Open Day of the Faculty. And there was no exception to this rule last year either. Also the year 2010 was started with a big social event at the Žofín Palace, the 122<sup>nd</sup> Medic Prom Ball, and the Open Day, a special event to help those wishing to study at the Faculty, allowing them to meet the representatives of the First Faculty of Medicine and obtain the information needed for the entrance procedures and studies at the Faculty, which ranks among the prominent medical schools and biomedical research establishments in the Czech Republic as well as in the international scale, and those interested were not discouraged even by really bad weather.

Looking back after the last year, we can mention several events that considerably influenced the history of our Faculty and Hospital. During 2010, more than twenty press conferences were organized in co-operation with the General Teaching Hospital, Anti-cancer League, Academy of Sciences of the Czech Republic, Czech J. E. Purkinje Medical Association and other institutions. Also the regular meetings with journalists called "Breakfast with journalists" have become a tradition that we carry on. They provided the journalists with information about recent developments and novelties in medical science and education, and mainly took place at the Academic Club of the First Faculty of Medicine in Faust House. Among those that met special interest was, for example, the press conference on the occasion of the 1,000<sup>th</sup> transplantation of haemopoietic cells; another on the occasion of the 1<sup>st</sup> Prague Interdisciplinary Workshop on Oncology; the press conference dealing with the European Charter of Seniors; and presentation of the European project PREDICT. The 2010 press conference on the occasion of the World Kidney Day, which is concerned with kidney conditions and diabetes mellitus, was already the fifth on the topic. Among other press conferences marked with a great interest was that on sleep disturbances, held on the occasion of the World Sleep Day, and the press conference on the occasion of the World TB Day. At the press conference *Robotization in cardiology* the journalists learned about a new training programme designed for European cardiologists. Another press conference, attended by the Minister of Education, Youth and Sports, dealt with the system of primary prevention of risk behaviour at schools. Also the press conference focused on detection of cancer of the prostate received a good response in the media. At the last press conference of 2010 the virtual microscopy system dotSlide was presented, which had been installed in the Purkinje Building and is the third device of this type in the Czech Republic. Excellent as usual was the collaboration with the Anti-cancer League, also resulting in two press conferences that marked the Czech Cancer Day and World Cancer Day.

The Academic Club won the attention of both professional and lay public very quickly not only with the press conferences and exhibitions but also with chat meetings, seminars, social assemblies, concerts, first aid classes, etc.

In 2010 the Faculty continued the "Chair for Faust", a cycle of live interviews, which had been performed for ten years. The idea, which arose in 2000 with the objective to introduce prominent personalities of the First Faculty of Medicine of Charles University and thereby the recent medical science and education, proved worthwhile and won many supporters. A great number of out-

standing personalities have gradually passed through the Faust House and plenty of most interesting opinions and ideas have been heard from them. In recent years we have widened the scope of these special guests, introducing representatives of art and other fields of science as well. In 2010, fourteen outstanding representatives of Czech and world science as well as other well-known personalities who were closely related to the First Faculty of Medicine accepted the invitation. These included Assoc. Prof. Rastislav Maďar, Master artist Jiří Anderle, Assoc. Prof. Libuše Skokanová, Prof. Pavel Hamet, Prof. Václav Seichert, Dr. Lubomír Houdek, Prof. Cyril Höschl, actor Jiří Suchý, Assoc. Prof. Zdeňka Límanová, Prof. Jiří Homolka, Prof. Michal Holub, Prof. Hana Papežová, Prof. František Perlík, and Prof. Jiří Kuthan. As it had become traditional, these interviews were recorded in a book. This publication was supported by Avenir s.r.o. company and Galén s.r.o. publishing house. It is most pleasing that our Faculty and the General Teaching Hospital have and gain even more supporters not only among the representatives of recent medical science but also among prominent personalities in other areas of the nation's life. The special spirit of these events and edition of the book could hardly be achieved without the personal contribution of Mr. Jaroslav Hořejší, who has been the interviewer for ten years and the editor of the books as well. The Faculty highly appreciates the co-operation with Mr. Hořejší, above all, for his really professional work and sensitive approach, which results in the unique atmosphere at the live interviews.

A great number of books by authors from the First Faculty of Medicine were published by Galén, s. r. o., Grada Publishing, a. s., Karolinum, Mladá fronta and other publishing houses in 2010. As it had become traditional, most of them were presented in a special ceremony at the Academic Club of the First Faculty of Medicine in Faust House. The books presented in 2010 included *Útržky paměti* [Scraps of memory] by Prof. Vratislav Schreiber, the monograph by Prof. Štěpán Svačina et al. *Poruchy metabolismu a výživy* [Disorders of metabolism and nutrition], then the 4<sup>th</sup>, completely revised and updated edition of *Farmakoterapie vnitřních nemocí* [Pharmacotherapy in medical conditions] by Josef Marek et al., *Kožní změny u interních onemocnění* [Dermatologic changes in medical conditions] by Petra Cetkovská, Karel Pizinger and Jiří Štork, *Základy posuzování invalidity* [Basic assessment of disability] by Alena Zvoníková, Libuše Čeledová and Rostislav Čevela, *Posudkové lékařství* [Medical examination for disabilities] by Libuše Čeledová, Rostislav Čevela, Alena Zvoníková and Daniela Pelclová, *Sexuologie* [Sexology] by Prof. Peter Weiss et al., *Lékaři na dvoře Karla IV. a Jana Lucemburského* [Physicians at the court of Charles IV and John of Luxembourg] by Prof. Milada Říhová et al., *Praktická andrologie dospělých* [Practical andrology of adults] by Dr. Libor Zámečník et al., *Kolébka české medicíny ve vzpomínkách a fotografiích* [The cradle of Czech medicine in memories and photographs] by Prof. Ctirad John, Prof. Štěpán Svačina and Mr. Karel Mister, a publication called *Stomie* [Stomies] by Veronika Zachová et al., *Lékařství starých Egyptanů I.* [Medicine of ancient Egyptians I] by Hana Vymazalová, Břetislav Vachala and Eugen Strouhal, *Spektrum poruch příjmu potravy* [Spectrum of food intake disorders] by Prof. Hana Papežová and the monograph *Plicní chirurgie* [Lung surgery] by Prof. Pavel Pařko, Robert Lischke et al.

In 2010 the Faculty together with the Humanitarian Medics' Club also organized two concerts in churches in the Karlov area,

the 11<sup>th</sup> and 12<sup>th</sup> of the cycle *The faculty in the heart of Karlov*, open for the academic community of all schools of higher education in Prague. The programme of the spring concert at the St. Appollinarius church included compositions by Bohuslav Martinů and Jan Bernátek, while in the autumn a grand concert was given in St. Catherine church with the *Te Deum* by Jan Dismas Zelenka, *Magnificat D major* and *Brandenburger Concert* by Johann Sebastian Bach. The audience could enjoy the splendid performance of the Piccolo coro & Piccola orchestra, directed by Mr. Marek Valášek. Since the cycle began, the concerts have won a stable circle of visitors and met a keen interest in wide public.

The Faculty also experienced the increasing interest in exhibitions held in Faust House. In the Academic Club the First Faculty of Medicine organized the exhibition *The last 100 metres of Marathon run are the hardest* displaying graphic art by the architect Joska Venson, the Master artist, who regretfully did not live to see its opening. Of the other exhibitions held there in 2010, the exhibition of photographs by Assoc. Prof. Jan Kopecký, called *Spotting the birds at ponds of South Bohemia*; the author works as a scientist for the Institute of Parasitology of the Biological Centre of Academy of Sciences of the Czech Republic in České Budějovice and also teaches immunology at the Faculty of Natural Science of the University. By and large, photography exhibitions prevailed: unpublished photographs by Mr. Karel Meister for the book *Kolébka české medicíny* [Cradle of Czech medicine]; photographs by Miloš Polák; photo exhibition of Ivan Polák, called *Origanum Vulgare*; club exhibition of the 13<sup>th</sup> Chamber Photo Club called *13<sup>th</sup> Chamber's arboretum*. There was also an exhibition of paintings by Dr. Eva Vaculíková and Dr. Věnceslav Šafařík, called *Doctors paint*.

Under the auspices of deans of the First Faculty of Medicine and the Medical Faculty in Hradec Králové, an exhibition took place at Galery Na Hradě in Hradec Králové, presenting anatomical drawings by the artists of both the faculties – Dr. Josef Bavor for the Institute of Anatomy in Hradec Králové, and Master artist Ivan Helekal and Mr. Jan Kacvinský for the First Faculty of Medicine in Prague. The exhibition was opened by Prof. Miroslav Červinka, the Dean of the Medical Faculty in Hradec Králové, and President of the Czech Anatomical Society Prof. Miloš Grim, the Head of the Institute of Anatomy of the First Faculty of Medicine.

The Academic Club of the First Faculty of Medicine also hosted some events organized by the Czech Medical Academy and Anti-cancer League, which signed a contract with the First Faculty of Medicine concerning co-operation in events such as Flower days, and above all press conferences and professional seminars.

Inseparable from the life of the Club were – and still are – regular concerts given by the Dixieland Band of the First Faculty of Medicine, led by Professor Jiří Tichý, and the events organized by the Jonáš Club, ATOS (Association of Tourette Syndrome Sufferers), and others.

Further, the Faculty was focused on the support of society and club activities as well as social life. The management of the Faculty wishes to open the Academic Club in particular to the students and all academic community of the Faculty, and was therefore happy to see that the club was frequented, above all, by students, the Union of Czech Medical Students, IFMSA and those who organize the first aid classes for public.

To commemorate the 160<sup>th</sup> anniversary of Franz Hofmeister, the famous scientist born in Prague, a memorial plaque by Master artist Mr. Milan Knobloch was unveiled at the building of the Institute of Scientific Information of the First Faculty of Medicine on 14<sup>th</sup> October 2010. At the ceremony the managements of the Faculty and General Teaching Hospital were present.

2010 was a really important year for our academic community, as the buildings of the Dean's Office, two institutes and one clinical department, shared with the General Teaching Hospital in

Prague, were open after their reconstruction. Therefore the largest renovation at the First Faculty of Medicine was finished. Beautiful historic ornaments of the building were renovated and the teaching facilities, lecture rooms, facilities for research and scientific work as well as the seat of the Dean's Office were reconstructed. Nearly exactly on the same date 127 years ago – on 17<sup>th</sup> October 1883 – the building in Kateřinská Street started to serve its purpose. At that time it was really special for the beginning of medical education in Czech language, and if its first part had not been erected at an incredible speed, the teaching at the Czech Faculty of Medicine could not have been opened at all. Several famous names adore the history of the building. For example, Professor Jan Horbaczewski worked here, the founder and first Head of the Institute of Medical Biochemistry, the first Czech institute of medical chemistry, and one of the founders of Czech biochemistry. Among those who read lectures here were Professor Jaroslav Hlava, the famous Head of the Institute of Pathological Anatomy, and Gustav Kabrhel, the Head of the Institute of Hygiene and the founder of this branch of modern medical science in the country.

The Faculty introduced its activities successfully at both domestic and international Open Days of Charles University, the GAUDEAMUS university education fair and at the international trade fair Pragomedica 2010 and also at the Week of Science and Technology. Our Faculty contributed with three lectures under the common heading "Café in Faust House": Professor Karel Pavelka read on the topic *Biological therapy of inflammatory rheumatic diseases*, Professor Kyra Michalová presented the lecture *From classic chromosomes to FISH and chip analysis*, and Professor Jan Daneš read the lecture *Imaging techniques – a window into the human body*.

In 2010 the first golf tournament of the First Faculty of Medicine took place in the beautiful environment of the Golf Club in Sokolov, kindly sponsored by the industrial enterprise Sokolovské strojírny a. s.

The key partner for the First Faculty of Medicine has traditionally been the General Teaching Hospital. Their co-operation has actually lasted for 220 years, throughout the history of the hospital. Also in 2010 the Faculty and the General Teaching Hospital collaborated in establishment of a common information centre and together published the journal *Nemocnice* [Hospital], which is to take another form and bias from 2011 on. The Faculty co-operated with some other partners as well, which include the press department of the Rector's Office of Charles University, other teaching hospitals, other universities, colleges and secondary schools, research institutes, government institutions such as Ministries of Health and Education, the city central authorities, professional organizations and – last but not least – scientific societies and other institutions contributing to promotion of human knowledge in medicine and improvement of quality in university studies home and abroad. The business sphere has become an important partner too.

Striving to deepen the co-operation with the authorities of the district Prague 2, the Faculty participated in several joint activities with them, including – apart from regular events at the New Town Hall – the Children's Day in the garden of the departments of Psychiatry and Neurology of the First Faculty of Medicine and General Teaching Hospital and some more events in the area of Karlov and Albertov as well as some other sites within the district. Our Faculty's idea of the Children's Day proved worthy and more institutions join the organizers every year. However, it is the growing interest from children that is the most important thing.

In 2010, information materials about the Faculty were issued, such as the Annual Report, internal regulations of the Faculty, book of proceedings of the 11<sup>th</sup> Student Scientific Conference, a special pictorial calendar of the Faculty for 2011, memorial prints

for the alumni and a large number of other prints, publicity materials including a promotion DVD in both Czech and English, and various goodwill gifts.

#### Medical Information Centre for European Projects

Medical Information Centre for European Projects (MICEP) is a project of the First Faculty of Medicine of Charles University under the EUPRO scheme of the Ministry of Education, Youth and Sports of the Czech Republic. MICEP is a professional contact organization for the sphere of health care nationwide, focused on promotion of participation in EU projects. One of the reasons that led to the establishment of MICEP was the low participation of medical science and research projects in European Union framework programmes, which for our science and research mean not only a chance to get funds but also a chance of international co-operation with other member countries. The main object of MICEP is to provide information about the possibilities of financing of science, research and development projects from the funds of the European Union, mediation of contacts and assistance in preparation and direction of the projects.

During its six-year activity, MICEP has gained a considerable number of contacts not only among Czech institutions but about those abroad as well. Also the number of consultation about the basic mission of MICEP has kept growing year by year. In 2010 one of the important activities was the participation at the international trade fair Pragomedica 2010, where the MICEP stand worthily represented both MICEP itself and the First Faculty of Medicine of Charles University. Further, MICEP made its presentations at many conferences and seminars, pinpointing the impor-

tance of Czech participation in European projects and presenting the procedures leading to successful placing of a European project.

The major events organized by MICEP in 2010 included, above all, the seminar at Pavel Jozef Šafárik University in Košice. This "Seminar on the prepared 5<sup>th</sup> call of the priority Health 7<sup>th</sup> Framework Programme" included – in addition – some topics concerning the possibilities of participation of small and medium-sized businesses in the EU Framework Programmes. Then MICEP participated at the REDEM'2010 conference on the topic *Management in research and development*, where the delegates of MICEP presented the lecture *Possibilities of participation of small and medium-sized businesses in the EU Framework Programmes*.

Of much importance for the further activities of MICEP was the invitation to the international conference called Eighth Annual WIPO Forum on Intellectual Property and Small and Medium-Sized Enterprises for Intellectual Property Offices and other Relevant Institutions in the Organization for Economic Cooperation and Development (OECD) Countries, which was jointly organized by the World Intellectual Property Organization (WIPO), Directorate General for Combating Counterfeiting – Italian Patent and Trademark Office (UIBM). The asset of participation of MICEP in this conference consisted in promotion of the international position and also in gaining the teaching materials for the sphere of IPR, which will be made a good use of in further activities of MICEP.

More information about the activities of MICEP in 2010, new opportunities for scientists and researchers as well as other topical news connected with the EU Framework Programmes can be found at <http://www.micep.cuni.cz/>.

*Prof. MUDr. Aleš Linhart, DrSc.  
Vice-Dean for Outward Relations*



*The "Chair for Faust" with Assoc. Prof. Zdeňka Límanová.*

## JOURNALS AT THE FIRST FACULTY OF MEDICINE

In 2010 the Faculty was the editor of the bimonthly *Folia Biologica*, the quarterly *Prague Medical Report* and the occasional publication *Acta Universitatis Carolinae – Medica*.

**Folia Biologica**

Editor in chief: Prof. MUDr. Tomáš Zima, DrSc., MBA  
Executive editors: Prof. MUDr. Jan Bubeník, DrSc.; MUDr. Zdeněk Kostrouch; Prof. MUDr. Karel Smetana, DrSc.  
Language editor: PhDr. Šárka Takáčová

The strategy of open access to the articles from the PubMed data base, possibility to submit manuscripts for publication in the electronic form and a higher impact factor have led to the increase of interest in the journal. In total, **116** texts were submitted, of which **73** were rejected and **29** accepted to be published. In spite of this positive trend the impact factor slightly decreased from **1.14** to **0.924**, compared to the 2009 figures. Nonetheless the journal still ranks among the most influential periodicals on cell and molecular biology in the region.

**Prague Medical Report**

Editor in chief: Prof. MUDr. Miloš Langmeier, DrSc.  
Executive editors: Prof. MUDr. M. Babjuk, CSc., MUDr. Kateřina Jandová, PhD.  
Language editor: Prof. MUDr. Jaroslav Pokorný, DrSc.

The journal has still more been gaining a multidisciplinary character with a special clinical bias, which makes it attractive for clinically focused authors above all. The popularity of the journal was reflected in the number of **32** texts sent to the editors, of which **15** were accepted for publication and **4** rejected. In 2010 the journal prize was awarded to Andrej Shbat for the article *Children's Cranial Lesion from Neolithic*.

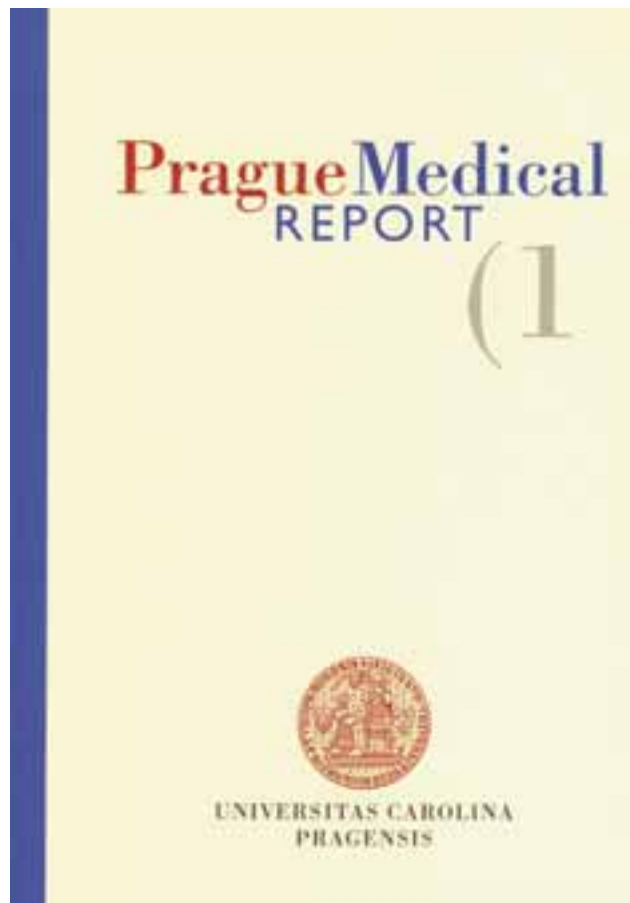
**Acta Universitatis Carolinae – Medica**

Holder T.J., Presley R., Slipka J.: *The organizational significance of segmentation in head development*.

**Organizational and technical support**

Organizational and technical support for edition of the Faculty's journals is provided by Ms Vlasta Helekalová and the technical editorial board composed of Mr Jiří Frühauf and Ms Lucie Šulcová.

*Prof. MUDr. Karel Smetana, DrSc.  
member of Dean's Office Board of the Faculty*



# MANAGING REPORT







# AUDITOR'S REPORT





## INDEPENDENT AUDITOR'S REPORT

We have audited the accompanying financial statements of The First Faculty of Medicine of Charles University in Prague, which comprise the balance sheet as of 31st December 2010, and the income statement for the year then ended. These financial statements are part of the Charles University in Prague financial statements.

### *Statutory Body's Responsibility for the Financial Statements*

The Statutory Body of The First Faculty of Medicine of Charles University in Prague is responsible for the preparation and fair presentation of these financial statements in accordance with Czech accounting regulations. This responsibility includes: designing, implementing and maintaining internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error; selecting and applying appropriate accounting policies; and making accounting estimates that are reasonable in the circumstances.

### *Auditor's Responsibility*

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Act on Auditors and International Standards on Auditing and the related application guidelines issued by the Chamber of Auditors of the Czech Republic. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial

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Zapsaná Městským soudem v Praze, oddíl C, vložka 153437, IČ 28924011



statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

### Opinion

**In our opinion, the financial statements give a true and fair view of the financial position of The First Faculty of Medicine of Charles University in Prague as of 31st December 2010, and of its financial performance for the year then ended in accordance with Czech accounting regulations.**

Prague, April 5th, 2011



Ing. Hana Filipcová – auditor  
oprávnění o zápisu  
do seznamu auditorů KAČR č. 0649

PKF Audit s.r.o.  
Karlova 455/48, 110 00, Praha 1  
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## The First Faculty of Medicine of Charles University in Prague

**Balance sheet**

(in CZK)

For The Year Ended December 31, 2010

Indicat.	ASSETS	Line no	Current accounting period	Previous accounting period
			Net	Net
	<b>TOTAL ASSETS</b> (l. 02 + 30)	<b>001</b>	<b>1 643 131 217</b>	<b>1 585 075 909</b>
<b>A.</b>	<b>Fixed assets</b> (l. 03 + 12 + 22)	<b>002</b>	<b>1 377 497 046</b>	<b>1 305 891 683</b>
<b>A. I.</b>	<b>Intangible fixed assets</b> (l. 04 to 11)	<b>003</b>	<b>29 782 235</b>	<b>29 944 617</b>
A. I.	1. Incorporation expenses	004		
	2. Research and development	005		
	3. Software	006	24 967 043	25 480 897
	4. Valuable rights	007		
	5. Low value intangible assets	008	3 652 883	3 934 541
	6. Other intangible fixed assets	009	529 179	529 179
	7. Intangible fixed assets under construction	010	633 130	0
	8. Advance payments for intangible fixed assets	011		
<b>A. II.</b>	<b>Tangible fixed assets</b> (l. 13 to 21)	<b>012</b>	<b>2 342 757 749</b>	<b>2 185 634 689</b>
A. II.	1. Works of art	013	1 346 558	1 346 558
	2. Constructions	014	1 033 680 915	836 987 731
	3. Separate movable items and sets of movable items	015	989 256 422	901 468 123
	4. Perennial crops	016		
	5. Breeding and draught animals	017		
	6. Low value tangible fixed assets	018	58 809 431	64 455 888
	7. Tangible fixed assets under construction	019	259 517 870	379 623 337
	8. Advance payments for tangible fixed assets	020		1 606 500
	9. Other tangible fixed assets	021	146 552	146 552
<b>A. IV.</b>	<b>Accumulated depreciation</b> (l. 23 to 29)	<b>022</b>	<b>-995 042 937</b>	<b>-909 687 622</b>
A. IV.	1. Accumulated depreciation - software	023	-19 852 865	-18 599 689
	2. Accumulated depreciation - low value intangible assets	024	-3 652 883	-3 934 541
	3. Accumulated depreciation - other intangible assets	025	-529 179	-529 179
	4. Accumulated depreciation - buildings	026	-284 192 604	-264 345 401
	5. Accumulated depreciation - equipment	027	-627 859 423	-557 676 372
	6. Accumulated depreciation - low value tangible assets	028	-58 809 431	-64 455 888
	7. Accumulated depreciation - other tangible assets	029	-146 552	-146 552



Indicat	ASSETS	Line no	Current accounting period	Previous accounting period
			Net	Net
<b>B.</b>	<b>Current assets</b> (l. 31 + 38 + 48 + 53)	<b>030</b>	<b>265 634 170</b>	<b>279 184 226</b>
<b>B. I.</b>	<b>Inventory</b> (l. 32 to 37)	<b>031</b>	<b>1 826 313</b>	<b>2 453 947</b>
B. I. 1.	Material	032	1 819 414	2 453 947
2.	Work-in-progress and semi-products	033	6 899	0
3.	Finished products	034		
4.	Animals	035		
5.	Merchandise	036		
6.	Advance payments for inventory	037		
<b>B. II.</b>	<b>Receivables</b> (l. 39 to 47)	<b>038</b>	<b>25 959 504</b>	<b>65 023 252</b>
B. II. 1.	Trade receivables	039	1 909 116	31 652 935
2.	Other receivables	040	94 387	111 003
3.	Receivables - substantial influence	041		
4.	Receivables - employees	042	738 602	373 736
5.	Social security and health insurance	043		
6.	Value added tax	044	85 368	652 020
7.	Short-term deposit given	045	9 939 825	13 020 846
8.	Estimated receivables	046	0	1 013 417
9.	Other receivables from partners	047	13 192 208	18 199 294
<b>B. III.</b>	<b>Short-term financial assets</b> (l. 49 to 52)	<b>048</b>	<b>233 706 148</b>	<b>209 364 553</b>
B. III. 1.	Cash and valuables	049	302 735	188 262
2.	Bank accounts	050	233 403 413	184 176 291
3.	Cash in transit	051	0	25 000 000
4.	Short-term financial assets acquired	052		
<b>B. IV.</b>	<b>Accruals</b> (l. 54 to 56)	<b>053</b>	<b>4 142 205</b>	<b>2 342 474</b>
B. IV. 1.	Deferred expenses	054	3 961 300	2 320 548
2.	Complex deferred costs	055		
3.	Exchange rate differences	056	180 905	21 926



Indicat.	TEXT	Line no.	Current accounting period	Previous accounting period
	<b>TOTAL LIABILITIES</b> (š. 58 + 67) + I. 001	067	<b>1 643 131 217</b>	<b>1 585 075 909</b>
<b>A.</b>	<b>Capital and reserves</b> (š. 58 + 63)	068	<b>1 441 876 591</b>	<b>1 366 460 990</b>
<b>A. I.</b>	<b>Total equity</b> (š. 60 to 62)	069	<b>1 440 435 686</b>	<b>1 365 439 015</b>
A. I. 1.	Equity	060	1 379 720 209	1 308 114 846
2.	Funds	061	60 715 477	57 324 169
3.	Differences from revaluation of assets	062		
<b>A. II.</b>	<b>Profit / loss account</b> (š. 64 to 66)	063	<b>1 440 905</b>	<b>1 021 975</b>
A. II. 1.	Profit/loss of current period (+/-)	064	310 573	0
2.	Profit/loss of current period (+/-) in approval	065	0	86 363
3.	Accumulated losses/profit from previous years	066	1 551 688	1 356 968
4.	Intercompany profit/loss account	066	-421 356	-421 356
<b>B.</b>	<b>Other sources</b> (š. 68 + 73 + 84 + 94)	067	<b>201 254 626</b>	<b>218 614 919</b>
<b>B. I.</b>	<b>Reserves</b> (š. 69 to 72)	068		
B. I. 1.	Reserves under special statutory regulations	069		
2.	Reserves for pension and similar payables	070		
3.	Income tax reserve	071		
4.	Other reserves	072		
<b>B. II.</b>	<b>Long-term payables</b> (š. 74 to 83)	073		
B. II. 1.	Trade payables	074		
2.	Payables - controlled and managed organization	075		
3.	Payables - substantial influence	076		
4.	Payables from partners, cooperative members and association members	077		
5.	Long-term advances received	078		
6.	Bonds issued	079		
7.	Long-term notes payable	080		
8.	Estimated payables	081		
9.	Other payables	082		
10.	Deferred tax liability	083		



Indicat.	TEXT	line no.	Current accounting period	Previous accounting period
<b>B. III.</b>	<b>Short term payables</b> (i. 85 to 93)	<b>084</b>	<b>77 101 836</b>	<b>115 764 579</b>
B. III. 1.	Trade payables	085	3 606 219	2 554 149
2.	Payables - controlled and managed organisation	086		
3.	Payables from partners	087	-2 985 924	1 340 276
4.	Payables - employees	088	31 652 113	33 144 967
5.	Social security and health insurance payable	089	17 241 742	17 016 154
6.	Payables - state	090	38 026 668	56 077 772
7.	Payables - local government authority	091	1 721 486	1 847 449
8.	Short-term deposits received	092	50 000	50 000
9.	Estimated payables	093	-17 493 557	-803 175
10.	Other payables	094	5 283 089	4 536 956
<b>B. IV.</b>	<b>Accruals</b> (i. 95 to 97)	<b>095</b>	<b>124 152 790</b>	<b>102 850 341</b>
B. IV. 1.	Accrued expenses	096		
2.	Deferred revenues	097	123 899 579	100 944 926
3.	Exchange rate differences	098	253 211	1 905 415





**The First Faculty of Medicine of Charles University in Prague**  
**Profit And Loss Statement**  
(in CZK)  
For The Year Ended December 31, 2010

Expenses	Line no.	activity		total
		head	economic	
Consumption of material (501)	002	118 241 686	1 270 298	119 511 984
Consumption of energy (502)	003	35 490 318	0	35 490 318
Consumption of other non-stockable supplies (503)	004	0	0	0
Cost of merchandise sold (504)	005	0	0	0
<b>Total services</b>	<b>006</b>	<b>153 732 004</b>	<b>1 270 298</b>	<b>155 002 302</b>
Maintenance (511)	007	29 682 618	197 601	29 880 220
Travel expenses (512)	008	16 180 018	100 941	16 280 959
Representation cost (513)	009	1 590 697	71 739	1 662 436
Other outside services used (518)	010	39 393 915	1 547 853	40 941 768
Wages and salaries (521)	012	435 692 648	2 075 793	437 768 441
Statutory social security expenses (524)	013	143 412 857	492 457	143 905 314
Other social security expenses (525)	014	0	0	0
Legal social expenses (527)	015	9 648 868		9 648 868
Other social expenses (528)	016	7 108 736		7 108 736
Road tax (531)	018	10 035	9 888	19 923
Property tax (532)	019			0
Other taxes and fees (538)	020	7 050		7 050
<b>Total other services</b>	<b>021</b>	<b>682 727 442</b>	<b>4 496 272</b>	<b>687 223 714</b>
Contractual fines and penalties (541)	022	0	0	0
Other penalties (542)	023	42 559	0	42 559
write-off of uncollectibles (543)	024	29 918		29 918
Interest (544)	025	316		316
Exchange rate losses (545)	026	2 343 300	8 496.57	2 351 797
Gifts (546)	027			0
shortages and losses (548)	028	45 559		45 559
Other expenses (549)	029	70 811 640	3 844 706	74 656 346
<b>Total amortization</b>	<b>030</b>	<b>73 273 293</b>	<b>3 853 203</b>	<b>77 126 496</b>
Amortization of intangible and depreciation of tangible assets (551)	031	114 236 571	0	114 236 571
Net book value of sold tangible and intangible assets (552)	032	0	0	0
Sold securities and deposits (553)	033	0	0	0
Purchase price of sold raw materials (554)	034	30 000	482 195	512 195
Creation of legal reserves (556)	035	0	0	0
Creation of legal allowances (559)	037	0	0	0
Contribution given org. Unit (581)	038	0	0	0
Contribution given (582)	039	0	0	0
<b>Total expenses</b>	<b>042</b>	<b>1 023 999 309</b>	<b>10 101 968</b>	<b>1 034 101 277</b>
Internal expenses	042	1 340 486	35 080	1 375 566
<b>Total expenses incl. internal expenses</b>	<b>042</b>	<b>1 025 339 795</b>	<b>10 137 048</b>	<b>1 035 476 843</b>



Revenues	Line no.	activity		
		head	economic	total
<b>Total Revenues from own production and services</b>	<b>043</b>	<b>147 748 141</b>	<b>13 735 333</b>	<b>161 483 474</b>
Revenues from own products (601)	044			
Revenues from rendering services (602)	045	147 748 141	13 735 333	161 483 474
Revenues from merchandise (604)	046	0	0	0
Change in inventory of work in progress (611)	048	0	0	0
Change in inventory of semi-finished products (612)	049	0	0	0
Change in inventory of own products (613)	050	0	0	0
Change in inventory of animals (614)	051	0	0	0
Capitalisation of materials and merchandise (621)	053	0	0	0
Capitalisation of own services (622)	054	0	0	0
Capitalisation of intangible assets (623)	055	0	0	0
Capitalisation of tangible assets (624)	056	0	0	0
<b>Total of other revenues</b>	<b>057</b>	<b>154 272 080</b>	<b>3 293 760</b>	<b>157 565 839</b>
Contractual fines and delay interest (641)	058	26 625	0	26 625
Other fines and penalties (642)	059	0	0	0
Revenues from un-collectable receivables (643)	060	0	0	0
Interest (644)	061	396 583	3 254 261	3 650 844
Exchange rate profits (645)	062	2 476 684	32 173	2 508 857
Clearing of equity accounts (648)	063	30 655 177		30 655 177
Other revenues (649)	064	120 717 011	7 326	120 724 336
<b>Total revenues from sale</b>	<b>065</b>	<b>4 345</b>	<b>711 875</b>	<b>716 220</b>
Revenues from sale of tangible and intangible assets (652)	066			
Revenues from sale of securities and deposits (653)	067			
Revenues from sale of raw materials (654)	068	4 345	711 875	716 220
Revenues from short-term financial assets (655)	069			
Clearing of legal reserves (656)	070			
Revenues from long-term financial assets (657)	071			
Clearing of legal allowances (659)	072			
Contributions received from operational units (661)	074	0	0	0
Contributions received (662)	075	0	0	0
Membership fees received (664)	076	0	0	0
<b>Total operating grants</b>	<b>077</b>	<b>719 869 860</b>	<b>0</b>	<b>719 869 860</b>
Operating grants (691)	078	719 869 860	0	719 869 860
<b>Total revenues</b>	<b>079</b>	<b>1 021 894 426</b>	<b>17 740 968</b>	<b>1 039 635 394</b>
Internal revenues	079	-4 558 989	710 982	-3 847 987
<b>Total revenues incl. Internal revenues</b>	<b>079</b>	<b>1 017 335 457</b>	<b>18 451 950</b>	<b>1 035 787 406</b>

Net income/loss before taxation	080	-8 004 338	8 314 911	310 573
Income tax - current year	081	0	0	0
<b>Net income/loss after taxation</b>	<b>082</b>	<b>-8 004 338</b>	<b>8 314 911</b>	<b>310 573</b>





*Although the weather was not very favourable, there were really many visitors at the Medics' Picnic in the garden of the Department of Neurology and Department of Psychiatry.*



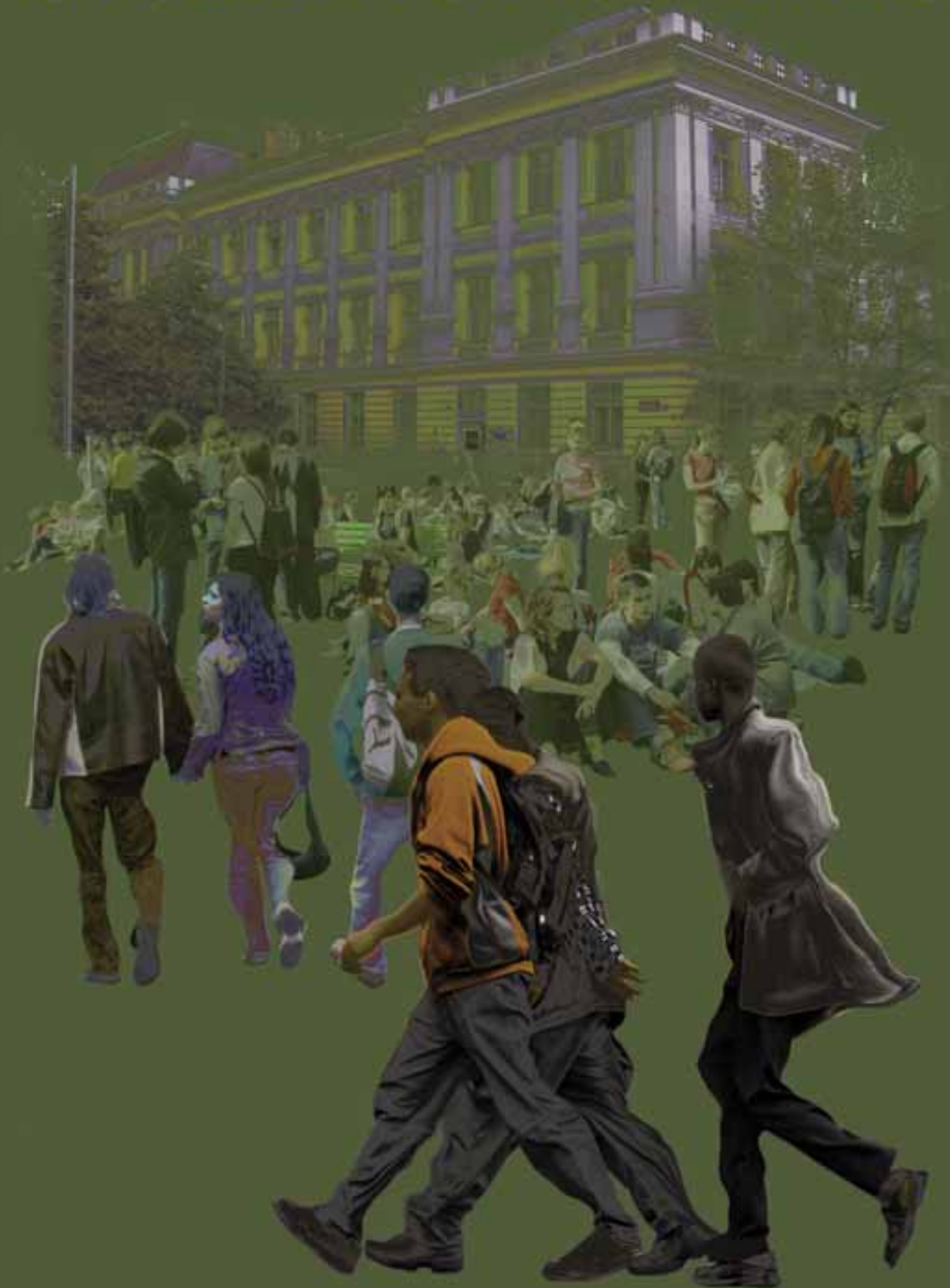
*The children's fun fair for our little boys and girls broke the record in the number of visitors, and everyone had a choice from many attractions offered.*

# ATTACHMENTS





# STUDENTS' ACTIVITIES



## UNION OF CZECH MEDICAL STUDENTS

The magic of the number 2010 evokes thoughts of assessing. So in this Annual Report I would like to put emphasis on the continuity and tradition of the Union of Czech Medical Students, which has taken its firm roots at the Faculty. I do believe this will be the case in future as well. Like the Union of Czech Medical Students is beneficial for our Faculty, the support from the Faculty is of crucial importance for the existence of the Union.

By 22<sup>nd</sup> December 2010, an incredible number of 1,025 members were registered at the Faculty, while four years ago, in 2006, they were just slightly above 150 in number. This increase would hardly be possible without the chance to present our Union at the freshmen's summer camp at Dobronice. That is actually what made the pool of our members so incredibly wider and younger.

### THE NEWS OF THE YEAR IN 2009

#### Our base in Faust House and the new computer room

In 2010 again we carried on refurbishing and finishing our premises. This time the changes were much more modest than the updating the computer room the year before, which was sponsored by the Faculty, but we enjoyed them anyway.

For the library we commissioned a new desk for the volunteer on duty. The first thing you can see when entering the rooms is the new hallstand for coats and jackets. The old one could not meet the increasing demand any more, as the enormous increase in the number of members naturally entails a higher number of visitors.

#### Students' Union of Charles University

As one of the charter members, our Union of Czech Medical Students has settled down firmly in the university organization – the Students' Union of Charles University. The Union of Czech Medical Students is the only representative of our Faculty in the Council of the Students' Union of Charles University. Our Union also represented the First Faculty of Medicine at the Autumn Fair of the Students' Union of Charles University, where students were able to obtain information on student life and free-time activities at particular faculties.

#### Opening ceremony of the yard of the Institute of Anatomy

At the beginning of the academic year the Institute of Anatomy addressed us inquiring whether we could undertake organization of the preparations of the ceremony to open the yard after renovation. On that occasion we offered the chance to co-operate to the English MedSock too. Then we together provided catering for both vegetarians and standard eaters for three days. The management of the Institute of Anatomy were really happy about the event and suggested that the venue could become traditional for students, above all, for the freshmen.

#### Sale of the Faculty souvenirs

The Union of Czech Medical Students goes on selling the Faculty souvenirs. These in particular include a brand collection of men's and women's T-shirts with the logo of the First Faculty of Medicine. These come in several colours and in all sizes. Also available are mugs, which – however – are always sold out immediately. Our concern, when commissioning all the items, was high quality of

all the materials used. A new feature is the sale of sweatshirts, which we do completely free for English Parallel, transferring all the money earned for the benefit of the "English" student organization.

#### Union of Czech Medical Students and new media

We are fully aware of the necessity of using the new media. At the social network Facebook we are running two web pages at the moment: our own site of Union of Czech Medical Students, and the site of the Erasmus Students' Office in English. We have more than 700 fans. So we find the use of Facebook the most effective way of communication with the young generation. We also take part in managing the Faculty website, which has nearly 1,000 fans at the moment.

#### Seminars for prospective graduates

In the past year we organized two seminars for prospective graduates of our Faculty. The students got a chance to learn about the scope of jobs abroad. A renowned German job agency outlined the situation at the labour market in the Federal Republic of Germany. Several graduates have got jobs at German clinical departments through this agency. The response from the young physicians is highly positive.

### OUR ERASMUS STUDENTS' OFFICE (ESO)

For the incoming students we have been organizing the "Buddy Programme" for many years. The international students can contact students studying in Czech language, who are helpful for them mainly at the beginning of the stay in the Czech Republic, both in orientation to the Faculty and dealing with some official matters.

The icebreaking party for the incoming students took place at the K4, the University students' club. Actually there were two such parties in the year. The autumn party met a lot of keen interest from the Erasmus students as usual, which was really rewarding for us. Then the students moved from the club to the Star Rave-up, where admission was free for them.

The ESO members have been preparing some more projects as well, such as wine tasting at Karlštejn, kite flying, St. Nicolas Eve karaoke party, night skating, a day in the Zoo, or the salsa night. We carry on the co-operation with the Charles University International Club, which organizes a similar programme within the University.

In the past year again, as usual, we assisted to Prof. Pokorný in technical support for evaluation of results of the competition for the Erasmus/LLP programme as well as in allotting the particular placements in the lecture hall of the Institute of Physiology.

### CO-OPERATION BEYOND THE FACULTY

In 2010, several organizations addressed the Union of Czech Medical Students; these contacts mostly involved offers of volunteer jobs (health supervision of summer camps and outdoor schooling, etc.). Specifically for the graduates we helped to find some jobs abroad. Thanks to our collaboration with a German agency, scores of our graduates were able to find jobs in the Federal Republic of Germany. We also mediated contacts with

Czech hospitals for our graduates, e.g. with the hospital in Ostrov. The latter then also sponsored some of our events.

In October we entertained a group of 50 medical students from Amsterdam. We introduced the First Faculty of Medicine and the Union of Czech Medical Students in presentations, and offered excursions to some of the units of the Faculty. The guests were really surprised to see how modern the Faculty was and what the base of our student organization in the Faust House is like.

From the Triton publishing house we received the donation of books, worth about 20,000 Czech crowns. It was a nice surprise for us to learn that the managing director of the company is one of our former active members.

In October we were also addressed by the Young Doctors association, which fights for a better status for graduates and improvement of the system of postgraduate training. Their lecture for prospective doctors will be given in the Academic Club in December.

## OTHER UNION PROJECTS

### Textbook exchange

On 5 October 2010, the students' textbook exchange took place for the third time, this time in the Academic Club. Also publishing houses that offer literature on medical topics in the Czech market, such as Galén, Maxdorf, Karolinum, H&H and Triton. For the students they all offered 20 per cent discount on their publications.

### Drop of Blood

This project, launched in December 2008, has become one of our regular events. In co-operation with the Department of Blood Transfusion of the General Teaching Hospital we motivate students to blood donorship. In 2010 two donor sessions took place but the number of student donors only increases very slowly.

### Open Day of the First Faculty of Medicine

On the Open Day in January we tried to help at all the institutes and departments of the Faculty that were open, mainly by answering questions not only of the prospective students but also of their parents.

### Social events

Every year we take part in organization of the Medic Prom Ball of the First Faculty of Medicine, and it was the case with the 122<sup>nd</sup> ball as well. At the moment we are distributing special tickets for the 123<sup>rd</sup> ball!

Star Rave-up, a traditional party at the Hvězda ("Star") club, has been held with "smoking ltd." traditionally. In 2010 there were two Star Rave-ups. Actually the Star Rave-up is the biggest medics' party in the country, and that in the autumn was already the 25<sup>th</sup> in line!

Student bands concert was organized for the second time in the academic year 2009–2010. Students from the First Faculty of Medicine play in all of the bands! The next concert is planned for the last day of November.

1+6 Medic Party, an event where prospective alumni meet the freshmen, took place in February in co-operation with the Medics' Humanitarian Club.

No Smoking Party, an event of IFMSA the Union of Czech Medical Students aimed against smoking, is similar to the Star Rave-up, but featuring a different kind of alternative music and – above all – with smoking completely banned.

2010 picnic – bad weather has been a faithful companion of this students' picnic since 1999 when it was organized first. Who could then ever hope that these events will take place every year, and even in 2010! Not only students but also some employees of the Faculty had a very pleasant afternoon in the garden of the Department of Psychiatry again.

Sports tournament – for December the Union plans a bowling tournament for students.

### Projects for children

The 2010 Children's Day was one of the very popular events for children that the Union helps to organize every year.

On the 2010 St. Nicholas Eve we, like in the past years, visited the clinical departments of the General Teaching Hospital in the traditional disguise of St. Nicholas, Devil and Angel in order to give out small presents, such as sweets, fruit and small toys, to children who had to spend the holiday in hospital. In 2010 the presents were really generous, thanks to both students and employees of the First Faculty of Medicine and General Teaching Hospital who supported the charity collection, and the Nestlé company, which sponsored our project too. Therefore some of the gifts were given to Jan Masaryk school.

### Union of Czech Medical Students executive board

List of Union of Czech Medical Students executive board members by 22<sup>nd</sup> November 2010:

Chairman: Petr Kohut  
 Vice-chairwoman: Radoslav Pinteš  
 Members: Lukáš Bajer  
 Lea Heřtová  
 Imrich Kiss  
 Jiří Kohout  
 Jozef Kučerák  
 Aneta Pechová  
 Adam Rosenberg  
 Julie Trpělková

*Petr Kohut  
 Chairman of the Union  
 of Czech Medical Students executive board*



## ACTIVITIES OF THE IFMSA LOCAL BRANCH AT THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY IN PRAGUE IN 2010

In 2010 we were trying to keep the quality of the well-tested projects at the desirable level. We also prepared several new projects, some of which were a great success even since the beginning. During the year, members of our local branch took a very active part in various international conferences and workshops. Thanks to the support from our Faculty we were also able to participate in organization of some international events.

### Students' placements abroad, Handbook, PET

In 2010 several important steps were taken in the way the placements were organized. The compulsory Handbook was introduced worldwide to secure a higher level of academic quality of placements. In May the PET (pre-exchange training) for students going to a research placement took place in order to provide the students with the basics of scientific activity. Dr. Emil Pavlík (Institute of Immunology and Microbiology) collaborated with us on the project. For future we consider introducing similar training for the participants in clinical placements as well.

In the past year, 74 students of our Faculty travelled abroad, 64 for clinical placements and another 10 students for research placements. From the University we received a subsidy, from which some contribution was paid to those students who submitted all the documents required after the return.

The number of incoming students at the Faculty was 69 so far (60 for clinical placements and 9 for research placements). In the summer months, rich social and cultural programme was offered, prepared in co-operation of all three medical faculties in Prague.

### Teddy Bear Hospital

This project was carried on successfully in 2010 as well. Again the Teddy Bear Hospital was present at the events on occasion of the Children's Day.

### Smoke Free Party

The Smoke Free Party project was substantially extended in 2010. Thanks to the support from the European Union, Smoke Free Days and Smoke Free Party were organized in October, with a high number of students participating. Chat hours were taken in kindergartens, basic schools and secondary schools.

### World AIDS Day

On 1<sup>st</sup> December 2010, on the occasion of the World AIDS Day, the first Lights for Rights meeting took place on Wenceslas Square under a new project. In spite of rather bad weather a sufficient number of students came to create the image of a ribbon – the symbol of fight against AIDS – with their lit candles.

### Presentation Medics on the Bummel

Within this cycle, we carried on organizing lectures for students to learn about their colleagues' personal and professional experience from the placements abroad.

### Your first gynaecologic examination

Your first gynaecologic examination is the title of a new successful project which includes chat hours on sexual education at secondary schools.

### Seminars under SCORP

Euthanasia vs. palliative medicine (April 2010) – demonstration of the film *The voice of the sea* and the subsequent discussion.

Death by lapidation (December 2010) – demonstration of the film on the topic of stoning to death as a penalty.

### IFMSA training weekend

Between 3<sup>rd</sup> and 5<sup>th</sup> December 2010 we – under the auspices of the Faculty – organized an international training workshop for placement co-ordinators in Pec pod Sněžkou.

### Participation in international IFMSA activities

- March Meeting (March, Bangkok) – Aneta Pechová, Michal Rusnák
- Training New Trainers (May, Buchovice) – Imrich Kiss, Michal Rusnák, Aneta Pechová
- Sub-regional Training (April, Barcelona) – Lenka Dibusová, Imrich Kiss, Michal Rusnák
- Sub-regional Training (May, Heppenheim) – Imrich Kiss, Aneta Pechová, Michal Rusnák
- August Meeting (August, Montreal) – Imrich Kiss, Michal Rusnák, Rita Vaszi

### Local co-ordinators of the IFMSA CZ local branch at the First Faculty of Medicine of Charles University in Prague

- LP (local president) – Aneta Pechová
- LEO (local co-ordinator for clinical placements) – Elena Pavolová, Lenka Halušková
- LORE (local co-ordinator for research placements) – Jana Píšťková
- LPO (local co-ordinator of projects for public health) – Iveta Urbanová, Jan Viktorin
- LORA (local co-ordinator of projects for healthy reproduction & AIDS prevention) – Rita Vaszi
- LOME (local co-ordinator for further education of physicians) – Petr Kohut
- LORP (local co-ordinator of projects for human rights and peace) – Lenka Lesná, Martina Kučerová

### Member of the IFMSA CZ executive council

NEO (national co-ordinator for clinical placements) – Michal Rusnák, Imrich Kiss

*Aneta Pechová*  
Local president of IFMSA CZ branch at the First Faculty of  
Medicine of Charles University

## FIRST AID FOR PUBLIC

*Reversible damage to cells of CNS occurs in 2–3 minutes after the supply of oxygen is cut off. After five minutes the damage to the cells becomes irreversible. In the past few years the rescue ambulances in Prague have been able to reach the site of an accident in 8–15 minutes, depending on the intensity of the traffic...*

We are a group of students and alumni of the First Faculty of Medicine of Charles University. Under the auspices of Prof. T. Zima, the Dean of the faculty, and Assoc. Prof. M. Stříteský, the Head of the clinical Department of Anaesthesiology, Resuscitation and Intensive Care of the First Faculty of Medicine and General Teaching Hospital, and with the support of the Academic Club of the First Faculty of Medicine, we organize lectures on the basics of first aid for wide public in our spare time. This is completely done by volunteers, and the lectures at the premises of the First Faculty of Medicine are completely free for all visitors. The lecture, however, is unofficial and does not entitle the participants to any certificates or formal qualifications.

We do not limit the number of participants at a lecture.

In two hours we try to give the participants as much information on providing first aid in such most common conditions as the

arrest in breathing and heart action, brain stroke, unconsciousness, bleeding and some other situations, as bites by venomous animals, burns, poisonings etc.

Always with us is a resuscitation dummy to practise CPR on, which was presented to the Faculty by the Roche company thanks to Prof. T. Zima. Our aim is that all participants can try how to give external heart compressions and mouth-to-mouth rescue breaths by themselves. We assume that several minutes of practical training are much more valuable than hours of lectures.

For his expert assistance, we really appreciate Dr. M. V. Vávra from the clinical Department of Anaesthesiology, Resuscitation and Intensive Care of the First Faculty of Medicine and General Teaching Hospital.

The First Aid for Public project has been in operation for eight years. Since the beginning, we instructed more than 4,000 people. We also take part in the events organized by the First Faculty of Medicine, such as the 2007 to 2010 Children's Days in the garden of the Department of Psychiatry.

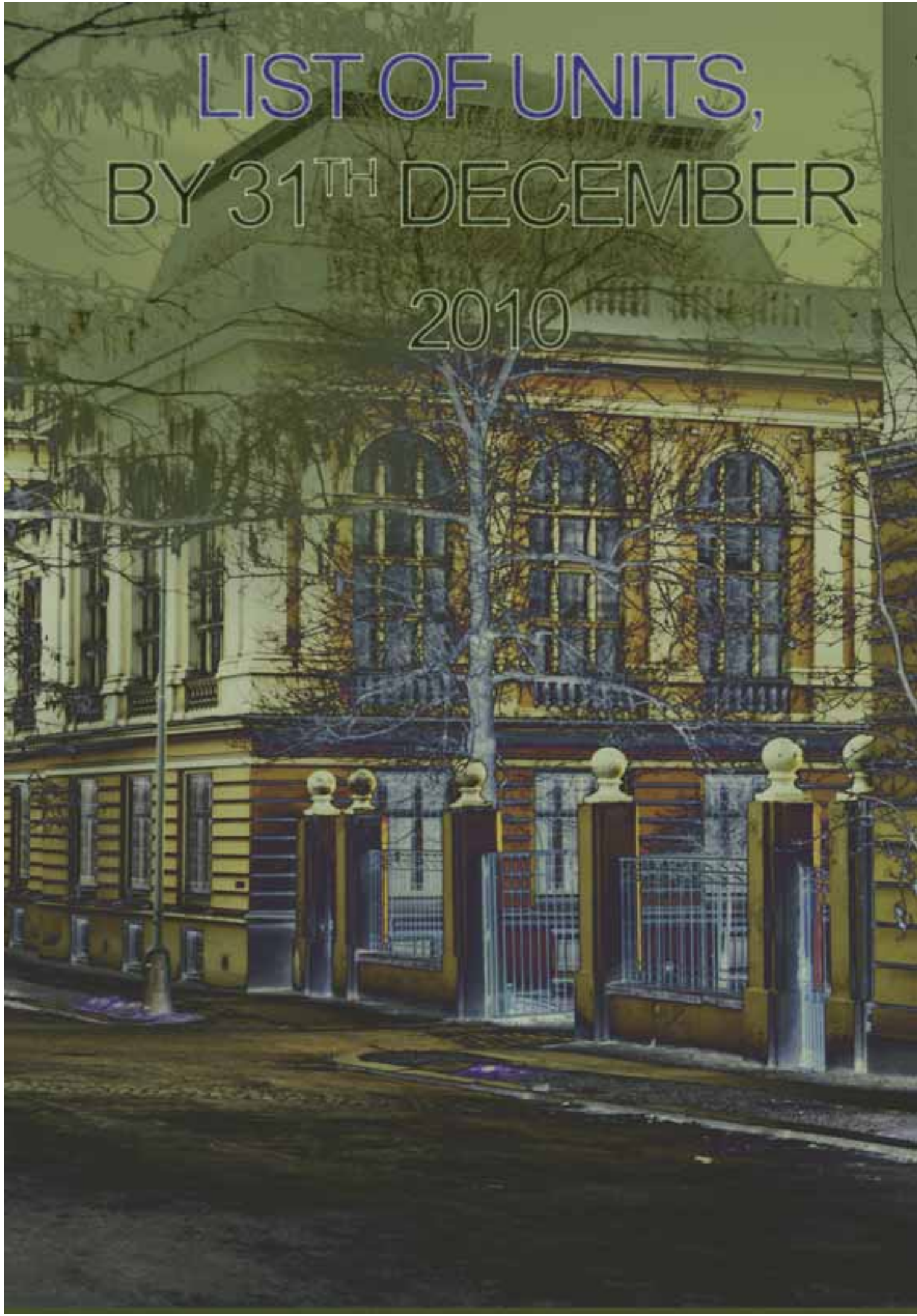
For future we plan to carry these activities on and train some young medical students to join our ranks.

*On behalf of First Aid for Public  
MUDr. Michaela Ingrischová and MUDr. Barbora Jindrová*



*Assoc. Prof. Libuše Skokanová, seated in the "Chair for Faust" when celebrating her jubilee.*

LIST OF UNITS,  
BY 31<sup>TH</sup> DECEMBER  
2010



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**Utility Institution of the Faculty****Centre for Experimental Biomodels**

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Head: Mgr. Viktor Sýkora  
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*As usual, the Open Day at the First Faculty of Medicine met a keen interest of prospective students of the Faculty as well as their parents and relatives.*



*Prof. Martin Hilský, the prominent expert in English literature, essay writer, professor of Charles University and most famous translator of Shakespeare was a guest to the "Chair for Faust".*

# THE MAP



# Joint Units of the First Faculty of Medicine With Teaching Hospitals on the Territory of Prague

## A

Prague 4, Vídeňská 800

- Joint Units with Thomayer Teaching Hospital

Department of Surgery

Department of Paediatrics

Department of Pneumology

Department of Anaesthesiology and Intensive Care

Institute of Nursing Theory and Practise

## B

Prague 5, V Úvalu 84

- Joint Units with Teaching Hospital Motol

3rd Department of Surgery

Department of Otorhinolaryngology and Head and Neck Surgery

Department of Orthopaedics

## C

Prague 6, U Vojenské nemocnice 1200

- Joint Units with Central Military Hospital Prague

Department of Neurosurgery

2nd Medical Department - Clinical Department of Gastroenterology  
and Hepatology

Department of Ophthalmology

## D

Prague 8, Budínova 2

- Joint Units with Teaching Hospital Na Bulovce

Department of Gynaecology and Obstetrics

Department of Surgery

3rd Department of Infectious and Tropical Diseases

Department of Plastic Surgery

Department of Orthopaedics

Department of Radiodiagnostics

Institute of Radiation Oncology

## E

Prague 2, Na Slupi 4

Department of Rheumatology

- Joint Units with Institute of Haematology and Blood Transfusion

Prague 2, U Nemocnice 1

Institute of Clinical and Experimental Haematology



# Premises of the First Faculty of Medicine and the General Teaching Hospital in the District of Prague 2 (Charles Square and Albertov Area) - Layout



1. 1st Department Tuberculosis and Respiratory Diseases
2. Dean's Office - Charles University in Prague, First Faculty of Medicine
3. Institute of Medical Biochemistry
4. Institute of Clinical Biochemistry and Laboratory Medicine
5. Department of Stomatology
6. Institute of Forensic Medicine and Toxicology (Toxicology)
7. Department of Neurology
8. Department of Neurology (Vnitřní št.)
9. Institute of Scientific Information
10. Institute for History of Medicine and Foreign Languages Department for History of Medicine
11. Institute of Biochemistry and Experimental Oncology
12. Institute of Pathological Physiology
13. Institute of Biophysics and Informatics
14. Institute of Nuclear Medicine
15. Institute of Anatomy
16. Institute of Sports Medicine
17. Institute of Physical Education
18. 3rd Medical Department - Clinical Department of Endocrinology and Metabolism
19. Institute of Clinical and Experimental Hematology
20. First House - Institute for History of Medicine and Foreign Languages (Dept. of Foreign Languages)
21. Institute of Social Medicine and Public Health
22. Institute of Humanitarian Studies in Medicine
23. Academic Club of the First Faculty of Medicine
24. 2nd Surgical Department - Clinical Dept. of Cardiovascular Surgery
25. 2nd Medical Department - Clinical Dept. of Cardiology and Angiology
26. 1st Medical Department - Dept. of Hematology
27. Department of Anesthesiology, Resuscitation and Intensive Medicine
28. Main Entrance to Hospital, Pharmacy
29. Department of Dermatovenereology, Department of Nephrology
30. Transfusion Department
31. 1st Medical Department - Dept. of Hematology
32. 2nd Medical Department - Clinical Dept. of Endocrinology and Metabolism
33. Department of Otorhinolaryngology
34. Department of Otorhinolaryngology
35. 1st Surgical Department - Clinical Dept. of Abdominal, Thoracic Surgery and Traumatology
36. Department of Radiodiagnosis
37. Department of Oncology
38. Institute of Clinical Biochemistry and Laboratory Medicine, ENT Department - Otorhinolaryngology and Neck Surgery
39. Department of Ophthalmology
40. Department of Oncology
41. Department of Ophthalmology
42. 4th Medical Department - Clinical Dept. of Gastroenterology and Hepatology
43. No. Heřtík Building - Hospital Management
44. Department of Psychiatry
45. Department of Gynecology and Obstetrics, Dept. of Neurophysiology
46. Department of Paediatrics and Adolescent Medicine
47. Institute of Inherited Metabolic Disorders
48. Institute of Immunology and Microbiology
49. Hlava Building - Institute of Pathology
50. Institute of Forensic Medicine and Toxicology (Forensic Medicine)
51. Institute of Hygiene and Epidemiology
52. Institute of Immunology and Microbiology
53. 3rd Department of Infectious and Tropical Diseases (Dept. of Tropical Medicine)
54. Institute of Theory and Practice Nursing
55. Institute of Physiology
56. Department of Rehabilitation Medicine, Institute of General Medicine
57. Purkyň Building - Institute of Biology and Medical Genetics
58. Institute of Histology and Embryology
59. Institute of Pharmacology
60. Institute of Cellular Biology and Pathology
61. Department of Occupational Diseases
62. Department of Urology
63. Institute of Sexology, Drug dependence Department
64. Department of Rheumatology
65. Polyclinic of General Teaching Hospital (32 Charles Sq.)
66. Out-Patient Departments of the Hospital Clinics
67. Institute of Immunology and Microbiology
68. V. Polák Family Breast Diagnostic Center, Pharmacy
69. Department of Phoniatrics (24 Žitná St.)
70. Department of Geriatrics (15 Lodižská St.)
71. Internal Audit Control Department, Aklepton Laser Center





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