USA

First Faculty of Medicine
Second Faculty of Medicine
Third Faculty of Medicine
Faculty of Pharmacy in Hradec Králové
Faculty of Humanities
Faculty of Social Sciences
Faculty of Medicine in Plzeň
Faculty of Law
Faculty of Science
Institute for Language and Preparatory Studies
Faculty of Mathematics and Physics

1. Relevance of the strategy

First Faculty of Medicine
Stanford University - Both Universities belong to the prestigious education institutions worldwide, and student exchange program will improve personal career facilitation as well as know-how transfer between Partners. The mobility programs will be focused on specific research programs, already established in recent years (see also below), between the Partners.

University of British Columbia - This mobility project will support the exchange of students and employees with the University of British Columbia (UBC) and with the Terry Fox Laboratory (TFL) at the BC Cancer Agency where approximately 25 graduate UBC students, 20 undergraduate UBC students and 25 post-doctoral fellows are being trained. UBC is a global centre for research and teaching, consistently ranked among the 40 best universities in the world. TFL and the BC Cancer Agency are world-class leaders in new cancer research discoveries where the best UBC medical, medical informatics and bioinformatics students are being trained to fuel major improvements in cancer outcomes through basic and translational research. The planned mobility project will lead to mutually beneficial sharing of experience and training of (initially) a few students and employees who will than further disseminate the gained knowledge and cross-continent experience.

Prof. Jana Zvárová, Institute of Hygiene and Epidemiology, First Faculty of Medicine of Charles University in Prague is also chair of the Board of Specialist for Ph.D. studies at Charles University in the field of Biomedical Informatics. She has an ongoing collaboration with Dr. Josef Spidlen at the Terry Fox Laboratory, BC Cancer Agency - a research institution engaged in training of students of the University of British Columbia, and she have also been assured support for further collaboration under this mobility program from Dr. Ryan Brinkman, who is a senior scientist at the Terry Fox Laboratory, BC Cancer Agency as well as a professor at the University of British Columbia. Dr. Spidlen is a former graduate from the Charles University in Prague; he received his Ph.D. in biomedical informatics from Charles University First Faculty of Medicine 2005 in the biomedicine training program that Prof. Zvárová was leading at that time. Since 2005, Dr. Spidlen has been living in Canada and doing research at the Terry Fox Laboratory, BC Cancer Agency. This mobility program will allow us to facilitate and strengthen our collaboration that started based on personal connections a decade ago. My collaboration with Dr. Spidlen can also be demonstrated by several manuscript that we have published together, for example


Buffalo Neuroimaging Analysis Center, State University of New York - This staff mobility will allow us expansion of our magnetic resonance imaging (MRI) possibilities for the investigation of patients with multiple sclerosis (MS). Our MS center is the largest one in the Central Europe and cooperation with one of the leading US centers further strengthen our position in Europe.

Yale University School of Medicine - This mobility project proposes the cooperation between our 3rd department of Surgery, 1st Faculty of Medicine, Charles University in Prague and Motol University Hospital and Department of Surgery, Yale University School of Medicine, New Haven, Connecticut, USA in endocrine surgery. Prof. Robert Udelsman, MD, MSB, MBA, FACS, FACE is one of the most famous surgeons in primary hyperparathyroidism. In our clinic we have operated about 200 patients per year with diagnosis primary hyperparathyroidism, so we are the centre of Czech Republic.

College of Osteopathic Medicine in Nova Southeastern University Florida - It will be mobility of the staff member from the Department of Rehabilitation Medicine 1st Faculty of Medicine Charles University in Prague. We want to start with international scientific project partner from USA with College of Osteopathic Medicine in Nova Southeastern University Florida.

For more information that are relevant to this part of the project, please, visit [http://www.cuni.cz/UK-6729.html](http://www.cuni.cz/UK-6729.html) (1st_Faculty_of_Medicine_radiologie, 1st_Faculty_of_Medicine_Publication_Odd_Radiologie, 1st_Faculty_of_Medicine_ULBLD_publication)

Second Faculty of Medicine
University of Colorado – University of Colorado Hospital - Associate professor Barish Edil M.D. is one of those few pancreatic surgeons who are able to perform pancreatic resection by miniinvasive way. He is also interest in wide spectrum of pancreatic cancer research. We would like to extend our spectrum of pancreatic resection procedures on miniinvasive methods. That is way the University of Colorado and Barish Edil as head of pancreatic surgery program in Colorado is point of our interest. We suppose 2 weeks long stay of two of our surgeon educated a interested in pancreatic surgery. E. Barish invited our surgery department in 2011 and 2013 and we have cooperation in this field of surgery.

Boston Children's Hospital, Boston - Children’s Heart Center, 2nd Faculty of Medicine, Charles University in Prague and Motol University Hospital is a national tertiary referral center that takes care of growing and developing patients from prenatal age up to the age of 18 years who suffer from congenital and acquired diseases of the heart and great vessels, including chronic cardiovascular dysfunction and pediatric cardiac electrophysiology, which is a highly specialized domain of medical care. Thus the educational activities on an international basis are essential. Recently, our institution
cooperated with foreign centers (especially in the USA) through several multi-center projects concerning pediatric cardiac care. Listed below are some of these centers. We would like to apply for an educational stay (3 months) for 1 person – a pediatric cardiologist.

**Third Faculty of Medicine**
The goal of the project is the preparation of the educational program, which enables better involvement of the nurses into the care for senior population and people with chronic diseases (dementia, COPD, different disabilities), who need community care. The preparation of the educational program on a Masters level is a part of a strategy, which uses the potential of nurses in the community care in the cooperation with physicians and the government authorities.

**Faculty of Pharmacy in Hradec Králové**
The planned mobility extends cooperation started with the bilateral project Kontakt II LH (Ministry of Education) in years 2013-2014 and working on common topic of flow methods for monitoring of trace levels of metals in seawater and environmental samples. This allow us to send and accept more PhD students for longer research stays to share experience between both countries and the respective laboratories. The planned mobility will enhance and intensify joint-research realized mainly through research stays. Two universities are planned to be involved in the project: Department of Oceanography, University of Hawai’i at Manoa, Honolulu, USA (prof. Chris Measures, prof. Jarda Ruzicka) Department of Chemistry and Biochemistry, The University of Texas at Arlington, Arlington, Texas, USA (prof. Purnendu Dasgupta)

**Faculty of Humanities**
NOVA University Gerontological and Research Center; the aim of the CELLO (Centre of Expertise in Longevity and Long-term Care) is to promote exchange of experience in longevity issues among important national and international stakeholders, to gain more international experience and promote better understanding of longevity and long-term care both in research and educational processes. There has been a long-term cooperation with the University of Montana based on inter-university agreement, which can be strengthened within the credit mobility.

For more information that are relevant to this part of the project, please, visit [http://www.cuni.cz/UK-6729.html](http://www.cuni.cz/UK-6729.html) (Faculty of Humanities_NOVA_SOUTHEASTERN_UNIVERSITY)

**Faculty of Social Sciences**
Both, students and staff mobility are useful to complete the cooperation and to progress from accidental contacts to more systematic forms of teaching and research cooperation. The US are traditional partner in academic exchange although cooperation with them faces some troubles related to the fact that in the case of Charles University the American students are not eligible for the federal students loans. Erasmus+ can serve also for the improvement of this situation through an intensive curricula and grading system cooperation. Intensified, regular access to U.S. academic institutions is a necessary pre-condition for gradual improvement and excellence-focused development of all fields offered by the Institute of Political Science (International Relations, Security Studies and Political Science).
The fields of International Relations and Security studies, though highly developed in Europe, are still largely shaped by the academic development in the USA. To maintain hands-on contact with the evolution of the disciplines and especially with the experts who lead it is thus of paramount importance.
In order to establish and elaborate on intensified personal contacts, it is necessary to guarantee substantial amount of regular, long-term study stays of students at the graduate and post-graduate levels and to create favourable conditions for short, intense exchange stays of academics aimed at
research or teaching. The strategy of students mobility aims at allowing the participants to spend the full academic year at the partner institution, either at the graduate level to enrich their academic curriculum and to gather resources for the master dissertation, or at the post-graduate level to work on their Ph.D. dissertation, discuss their research with a local supervisor, experiences researchers and peers. To academic employees, the mobility scheme should allow shorter exchange stays aimed at conducting specific research tasks or a presentations of a series of lectures for students at the partner institution in a condensed form.

Increased academic mobility with U.S. institutions of higher learning is of utmost importance also for the Institute’s Department of Political Science. For political science as a discipline, intensified contacts with U.S. academics will increase intercultural competence, contribute to high academic standards, increase linguistic proficiency and thus will lead to better flexibility and/or employability of participants. On a more specific note, the planned project will consider somewhat different strategy in academic approaches of the two sides, with strong emphasis on empiric data on the side of the partner country and a more theoretical approach on the side of the programme country. Thus the envisioned combination will help enhance skills and knowledge of the students and the teaching staff as well.

Charles University in Prague and the Faculty of Social Sciences have already established a web of inter-university http://fsveng.fsv.cuni.cz/FSVEN-430.html and inter-faculty (http://intranet.fsv.cuni.cz/FSVINT-1159.html#8) agreements. However, these agreements will need to be expanded to incorporate additional existing academic contacts of specific academic researchers. These include the Department of Political Science at the University of Florida, Government Department of the College of William and Mary, Williamsburg, both with a previous contact of a visiting professor, and the Saltzman Institute of War and Peace Studies at Columbia University and the Belfer Center at Harvard University who were frequented by members of the departments through their individual Fulbright research stays. We would also like to establish a formal agreement with Brown University that would enable a more regular and intense exchange of scholars and students.

**Faculty of Medicine in Plzeň**

Mutual exchange of students as well as academic staff is relevant to the internationalisation strategy of Charles University as long as it supports interdisciplinary and high quality PhD study programs in both countries. The mobility project will help to intensify collaboration of the research teams with similar focus. The short (3-6 months) research stays of PhD students will help to improve their research projects, to share methodology and to increase the quality of the (common) publications. Both, students and staff, will thanks to mutual stays at partner universities enrich already broad spectrum of educational activities in PhD programs in Biomedicine, Medicine and Life Sciences.

For more information that are relevant to this part of the project, please, visit [http://www.cuni.cz/UK-6729.html](http://www.cuni.cz/UK-6729.html) (Faculty_of_Medicine_in_Pilsen)

**Faculty of Law**

The US universities are key partners to our Faculty and the academic exchange has a long tradition and proves to be highly in demand on both sides among the students/lecturers. The exchange is currently in process or is being discussed with University of San Francisco, University of Miami, South Texas College of Law, NOVA Southeastern University and George Washington University.

**Faculty of Science**

**SOCIAL GEOGRAPHY**

The proposed cooperation is in harmony with the strategy of the University, the Faculty and the Department of Social Geography and Regional Development to intensify cooperation with excellent partners abroad – to make use of their experience while preparing new teaching courses and to have better students and to have more experienced and more qualified staff.
Partner university: Dartmouth College and University of California, Berkeley

ZOOLOGY
This mobility project is based on the ongoing collaboration between Charles University in Prague and Virginia Polytechnic Institute and State University (Virginia Tech) in the field of infection biology. By increasing student mobility, this project will promote the mutually beneficial educational scheme, in which the Department of Biological Sciences at Virginia Tech focuses mainly on Disease Ecology while the Faculty of Science at the Charles University in Prague has deeper expertise in Evolutionary Immunology, providing together complex and highly specialised educational curriculum to students from both countries. We plan mainly student mobility, since students (mainly PhD students and advanced MSc. students) are the target group. Staff mobility should help to organise the joint educational activity.

For more information that are relevant to this part of the project, please, visit http://www.cuni.cz/UK-6729.html (Faculty_of_Science_USA1_Vinkler_ZOOLOGY, Faculty_of_Science_USA2_Vinkler_ZOOLOGY)

PHYSIOLOGY
All participating higher education institutions rely on international collaborations with the Dept. of Physiology and share the common view that international exchange programs for students and staff are of utmost benefit to scientific and educational activities.

Partner universities: Penn State University, Mayo School of Graduate Medical Education, Arizona State University

Institute for Language and Preparatory Studies
USAC (http://usac.unr.edu/) is a non-profit consortium of 33 US universities. ILPS has been cooperating with USAC for almost 8 years. This activity intends to offer three six-week-long courses for students of USAC at the ILPS intensive summer language programmes, organized in July 2015 or July 2016.

For more information that are relevant to this part of the project, please, visit http://www.cuni.cz/UK-6729.html (Institute_of_Language_and_Preparatory_Centre_USAC)

Faculty of Mathematics and Physics
The mobility project relevance is to significantly support existing and developing inter-university cooperation in exchange students programs, while undertaking an academic program at the host institution, developing consultation between the home and the host institution, as full-time at a level undergraduate or graduate, determined by the host institution.
The purpose of each exchange student is to enable students to enrol in subjects specialised especially in applied mathematics or physics and computer science at the host institution for credit which will be applied towards their degree at their home institution.

Partner universities with cooperation experience and / or in negotiation:
The University of New Orleans, USA
University of Oregon, USA
Johns Hopkins University, USA
Georgia Institute of Technology, USA
Columbia University, USA
The City College of New York, USA
Rutgers University, USA
Kansas State University, USA
The University of Texas at Arlington, USA
The State University of New York at New Paltz, USA

The groups of the institutions are world leaders in structural graph theory, graph polynomials.
Educational exchange on the scientific cutting edge is highly desirable and relevant.

Some of the partner universities with cooperation experience and / or in negotiation:
2. Quality of the cooperation arrangements

**First Faculty of Medicine**

Collaboration with Prof. Stevenson and Dr. Wong from Dept. of Pediatrics, Stanford University, School of Medicine on the projects related to neonatal jaundice and metabolism of tetrapyrrolic compounds which resulted already in one joint grant project (see the enclosure), eight joint publications (please see the enclosure), and exchanges of two Czech students in the American institution.

Prof. Jana Zvárová have not had been involved in any mobility project with institutions from Canada in the past, but she has been collaborating with Dr. Josef Spidlen, a staff scientist at the BC Cancer Agency in the group of Dr. Ryan Brinkman, Senior Scientist at BC Cancer Agency and Associate Professor at UBC. The host institutions have entered into many international student exchange and visiting scientist programs. Prof. Zvárová, Dr. Brinkman and Dr. Špidlen will co-supervise students and trainees during their respective tenures at our institution and we each have committed 10% of our time to this effort during the exchange period. We will also cooperatively coordinate the projects undertaken during the exchange to best leverage expertise at each centre.

Charles University in Prague, First Faculty of Medicine, Department of Radiology, MR unit, has collaborated with Buffalo Neuroimaging Analysis Center, State University of New York since 2006. (for detailed information please see the enclosure nr. 2)

We have not experience with this project in this Partner Country yet. My aim is to see, how it looks in centre of USA. On opposite in Czech Republic have diagnosis of primary hyperparathyroidism about 500 patients per year. We operate about one half patients of Czech Republic.

It will be the first Czech experience with scientific international project partner from USA in rehabilitation medicine. The name of the project is „Improving Quality of Life in the Community” Petra Sládková will be a member of the realisation team of this project focused on the patients with severe disability after brain damage.

**Second Faculty of Medicine**

University of Colorado – University of Colorado Hospital - We have not any similar experience in this sense. It would be a short fellowship in the cancer center of University of Colorado hospital. We did a pre-arrangement with doctor Edil during his last visit in Czech Republic.

Boston Children's Hospital, Boston - The participant should be able to follow and/or take part to the routine work of the pediatric cardiologic department with the aim of improving his or her experience concerning especially the arrhythmias, electrophysiology and pediatric cardiac intensive care.

**Third Faculty of Medicine**

The University of Connecticut (UCONN) has been actively involved in International Education for many years. The School of Nursing has established programs involving students and faculty and taking place in Cape Town, South Africa, San Juan, Puerto Rico. The School of Nursing will also be working with Beijing, China in 2015. They welcome the opportunity to have an Exchange Program with Charles University in Prague. Marie Zvonickova (3. LF UK) and Kathryn Hegedus (Associated Professor UCONN, School of Nursing) have been working together for the last five years in an End-of-life course. This course is organized by Filip Dejonckheere from the Arteveldehogeschool University Ghent Belgium. This close working relationship has laid the groundwork for this project (Master Program for Advanced Practice in Geriatrics and Community Health).

**Faculty of Pharmacy in Hradec Králové**
The workgroup participated on various international exchange programs within last fifteen years. The results of this are tens of exchanged pre-gradual and post-gradual students, Post-Docs and researches with Austria, Germany, Poland, Slovakia, Spain, Portugal, etc.

Faculty of Humanities
We have been collaborating with the NOVA University Gerontological and Research Center since 6 years. Experts of our centres are members of the international ELTECA network and participated in conferences in Prague and Florida. See MoU enclosed. Long-term bilateral exchange of students between CU and University of Montana, with well-established rules and competences (see the agreement).

Faculty of Social Sciences
Among already working co-operations we should mention:
Academic exchange and summer schools with universities in Washington, D.C., New Orleans, Richmond, Le Moyne College, Marlboro College
Project cooperation:
   a) Euromasters/Transatlantic Masters
University of North Carolina at Chapel Hill (USA); Washington University (USA)
   b) Transworld
American University (USA)
c) Globalizing United States Studies Consortium (GUSS)
Department of History, Temple University, Philadelphia; Department of English/Office of International Affairs, Sogang University, South Korea; Graduate School of Global Studies, Doshisha University, Kyoto, Japan; Department of International Relations, Pontifical Catholic University of Minas Gerais, Brazil;
d) European American Studies PhD Exchange Network - (Heidelberg - Northwestern University, Chicago, USA: http://www.hca.uni-heidelberg.de/phd/netzwerk_en.html)
e) International Forum for US Studies (IFUSS), University of Illinois at Urbana-Champaign
f) MoUs with Temple University - Of The Commonwealth System of Higher Education and The Israel Institute
g) Research project with University of California
h) 7th Framework project - Marie Currie Actions involving Cornell University (USA), Fulton Centre (USA), McGill University (Canada), University of California at Berkley (USA), University System of Maryland Foundation (USA), Australian National University, University of Queensland (Australia), University of Auckland (New Zealand), University of Cape Town (South Africa), Irkutsk State University (Russia) and Novosibirsk State University (Russia)
Fulbright Commission
Emil Aslan Souileimanov
Slavomír Horák
Kateřina Králová
Karel Svoboda
Jan Šír
Thanks to the network with US universities created by numerous Fulbright Fellows coming from the Faculty of Social Science we can successfully build an effective cooperation
We are also interested in further cooperation with Bard College and Stanford University/Hoover Institution

The Institute of Political Studies has a long-term, intense experience with international students (including those in English-taught programmes) and a booming practice of guest professors on which the proposed arrangements will build.
The Department of International Relations actively aims at the internationalization of its curriculum, student body and the research and teaching experience of its academic staff. The academic employees have a long-term practice in cooperating with their foreign counterparts, including research stays of various scope and intensity at U.S. universities.

Similarly also the Department of Political Science has worked hard to work on the internationalization of its curriculum in the past. In line with this, guest professors from U.S. universities have been regularly teaching both undergraduate and graduate courses. Lectures given were using specific expertise of the visiting professor resulting from his field of study. Also, they were taking advantage of actual political developments in the partner country, such as recent election results, legislative change, and changing power situation between the branches of government.

Moreover, contacts on an individual level have been already established with Ivy League universities in the United States, including Columbia, Harvard or Brown University. For example, in May 2014, Faculty of Social Sciences, Charles University in Prague organized a five-day workshop and a two-day international conference with prof. Omer Bartov, Brown University as its key note speaker. Both events were held under the auspices of both the rector of Charles University and the mayor of Prague – and funded by prestigious grants.

Head of the department will be responsible for the formulation of specific goals of the mobility (especially at the level of academic staff) and information thereof vis-a-vis the employees and the students. Specific goals of the proposed mobility will be formulated in coordination with the directors of the department’s study programmes whose coordinators will then communicate them to the students. There should be a contact person on the side of the programme country that would help with practical aspects of professor’s stay, such as accommodation and orientation in the city and on faculty premises.

Over the past few years the Faculty has also hosted a number of distinguished professors from United States, for example Prof. Gianfranco Pasquino from John Hopkins University, Profs Charles Hadley and David Neubauer from University of New Orleans, Prof. John B. Gilmour from College of William and Mary, Prof. Atina Grossmann from Cooper Union. Prof. David K. Dunaway from University of New Mexico, Dr. Omer Bartow from Brown University and Dr. Ralph F. Young from Temple University,

At the inter-university level the Faculty takes part in student exchange programs with Kansas State University, State University of New York at New Paltz, University of Massachusetts Lowell, University of Miami, University of Montana, University of New Orleans and University of Washington, Seattle.

Faculty of Medicine in Plzeň
Charles University participated in many similar projects with USA – exchanges of students and staff used to be supported in past by Fulbright Commission, NIH, Czech Ministry of Education and different grant agencies in both countries.

Faculty of Law
Our Faculty has had long tradition in cooperation with US universities - it has hosted already 34 summer schools in Prague in cooperation with US universities (with several hundreds of participating students over the years) and has exchanged dozens of students during the same period. Each such program is covered by a specific IIA, which regulates the principles of cooperation and designates persons/bodies, who shall have the responsibility to select and/or admit the students or faculty.

Faculty of Science
SOCIAL GEOGRAPHY
The proposed cooperation springs from a long-term cooperation of assoc. prof. D. Dzúrová with the School of Public Health of the University of California, Berkeley (since 2002). Besides other common activities, D. Dzúrová have also stayed for a year at the given School while working on a mutual project (Czech-US cooperation). The main goal of the proposed collaboration is to make a new
program “Social epidemiology” which will start at Faculty of Science at Prague in the new academic year (2015/2016) better while getting experience and inspirations from a mutual contacts between Czech and American teachers/researchers.

The proposed cooperation is based on ongoing contacts, which date back to 1994 when our cooperation with Geography Department of Dartmouth College started. Since then, we have organized 21 so called American Terms within which about 15 American geography students come to Faculty of Science, Charles University in Prague, every Spring for about 10 weeks while mostly members of the Department of Social Geography and Regional Development organize lectures and excursions for the American students. Moreover, we also started cooperation in the field of research and publication activities – see prof. Wright’s current participation in the project of the Czech Science Foundation and resulting publication: Janska, Cermak, Wright (2014) in Population, Space and Place.

ZOOLOGY
In the past years we prepared a joint grant proposal for the VES14 programme of the Ministry of Education of Education, Youth and Sports and the staff member at the Charles University in Prague (M. Vinkler) was awarded with Fulbright Scholarship for a long-term stay at Virginia Tech in 2015 and 2016.

PHYSIOLOGY
Members of the Department of Physiology have established two or more personal contacts in the abovementioned participating institutions. This project will be instrumental in progressing from personal-level into institutional-level of collaboration. Both host and home institutions will provide mentorship to the participating students. The host institution will provide all scientific, administrative, and material support necessary for the fulfilment of scientific and educational goals of programme participants.

Partner universities: Penn State University, Mayo School of Graduate Medical Education, Arizona State University

Institute for Language and Preparatory Studies
With USAC we have a great experience in teaching their students recruited from US universities. Tasks, roles and responsibilities of both parties are defined in an international agreement updated and signed in 2012.

Faculty of Mathematics and Physics
In most cases the universities have successfully cooperated on exchange student programmes, thus facilitating academic and cultural interchange, the exchange of research materials, information, knowledge and publications between the universities and also creating cooperation on scientific level. Inter-institutional Agreements will lead to professional cooperation. The purpose will be to organize for training visits between academic staff, share academic materials, collaborative research and publications, joint production and delivery of courses and program.

3. Quality of project design and implementation

First Faculty of Medicine
The participants will be selected based on previous experience with the PhD students participating in the specific research projects.

Initially, we are aiming for short-term visits of Czech researchers in Canada and researchers from Canada in the Czech Republic. These visits will be focused on research presentation, individual tutoring, learning from one another and networking. In addition, researchers from Canada will spend time in the Czech Republic (as part of their research term devoted to establishing research connections) and interest from several faculty in the School of Health Information Science has already been expressed. In a follow-up phase, exchange of graduate students will occur, with visits to Canada by graduate students from Charles University. It should be noted that currently the School of
Health Information Science, typically has from 2-3 doctoral students spending from 2-6 months in Canada as part of their research studies and requirements for travel and collaboration abroad for their European degrees (this has included already students from Denmark and Finland, who come to Canada with funding from their country, and could easily be expanded to include students from the Czech Republic). In a future phase it is hoped that Canadian students will spend time in the Czech Republic as well in order to broaden their studies and knowledge prior to graduating in Canada. A mutual bilateral cooperation has been already set; we share the data and we both test the evaluating systems. Our common goal is to create the MR monitoring scheme for worldwide use. (for detailed information please see the enclosure nr.2) We are the best in Czech Republic, but we don’t know how it looks by partner organisation. We have some experience with European surgery of primary hyperparathyreoidism (sometimes it named German school), but we want also to see the rich experiences in USA. The first phase of mobility will be to find “common scientific language” with rehabilitation health professionals participated on the project - Improving Quality of Life in the Community. The second phase will be focused on the closely cooperation on the project and possibility of using new standard objective technology on the clinical work with the patients with disability.

Second Faculty of Medicine
University of Colorado – University of Colorado Hospital - It should be short usual clinical fellowship arranged in co-operation with doctor Edil as it was prepared and negotiated during his visits in our department and Czech national surgical congress. Partner country – institution provide help with accommodation.
Boston Children's Hospital, Boston - We plan to apply for 1 participant (MD) for the period of three months.

Third Faculty of Medicine
The project will run in four phases. In the first phase the 3. LF UK teachers (IMDs and RNs), who teach in the program for nurses at the 3. LF UK will get acquainted with the strategy, implementation and the evaluation of the MSc program at UCONN, with the accent on the collaborative practice with physicians. In the second phase, for the better understanding of the work of the nurse practitioner (NPs) in the field, the teacher will come with two students, who complete the practice in Czech community care centers. The point of the NP’s activity will be demonstrated and explained on the practice of these students. In the third phase, the methodology of the teaching of the specific skills of the nurses on the advanced practice in the simulation lab will be processed during the stay of the teachers from 3.LF UK in the USA. The last fourth phase will take place in the Czech Republic in the form of the dissemination conference. The participants at the conference will be: the American side, 3. LF UK and the guests from the Czech Republic (mostly opinion makers among physicians, nurses and the government authorities) and the guests from the culturally related countries.

Faculty of Pharmacy in Hradec Králové
The mobility project will be based on the exchange of the young researchers (students and scientists) dealing with the topic of flow analytical methods to fast and reliable chemical analysis. The periods of researches exchange will depend on intended role in the joint project and expected results – the post-gradual students doing most of the experiments and training in new skills will attend six month stays, pre-gradual students gaining the prime scientific experience will attend 3 month stays and experienced scientists (professors and teachers) supervising the students will attend two weeks stays.

Faculty of Humanities
Meeting of teams, preparation of common research projects, publication and education programme. See the bilateral agreement: all rules and responsibilities for the exchange of students are already established.
Faculty of Social Sciences
Both, students and staff cooperation is based first on selection process according to local rules with respect to partners demands and needs, then sending them to partners country (no scholarship and accommodation assistance is expected). Recognition of the mobility period will be made in mutual accord through the memorandum of understanding describing details of cooperation including grading, system of awards, transcripts issuing etc. Besides establishing and solidifying student mobility, especially at the Ph.D. level, the project aims at developing the cooperation from individual teaching and research stays to eventual joint research projects in the areas of mutual interest. Especially with those universities where interaction so far has been ad hoc and at the level of individuals (University of Florida, Columbia University, Harvard University, Brown University), the project would start with establishing a formal platform which would specify and jumpstart first the regular mobility of graduate and postgraduate students, alongside regular stays by visiting professors. The second stage of the cooperation will lead to mutually recognized modules of visiting lecturers in the curriculum of both participating institutions. Finally, based on the previous two stages and the web of contacts created through them, the project envisions the formulation a joint research proposals, common effort to secure their funding and their eventual execution.

Faculty of Medicine in Plzeň
The collaboration of the research teams of the partner organisations (so far on informal basis) will be formalized and intensified. The selection of the partner is based on the previous informal collaboration and on the similar focus of the research. The mobility project is based on short term research stays usual at the universities of the Partner Country.
Selection of participants will be provided based on their CV, list of publication and letter of motivation.
The support provided to PhD students will contain both educational as well as professional activities. Recognition of their mobility period is no problem in cases of PhD students of Biomedicine, Medicine and Life Sciences – their mobility is strongly supported in all curricula around the world.

Faculty of Law
The exchange of the students and the faculty should be covered by a separate IIA, which would enable it in line with academic schedules of both partner organisations and the funding available through the Erasmus+ scheme. The nomination of the students/faculty for the exchange shall be in the competence of the sending party, while the receiving institution shall have the final decision with respect to their admission; credits received by the students at the host institution shall be eligible for recognition by the sending university according to its internal regulations.

Faculty of Science
SOCIAL GEOGRAPHY
The partner (University of California, Berkeley) is ready to accept Czech teachers/researchers and provide them with a necessary basic service. The participants will be mainly those who are involved and specialize in social epidemiology and related subjects. On the other hand, cooperation in other geographical fields is to be developed as well.
The partner (Dartmouth College) is ready to accept Czech students and representatives of the staff and provide them with a necessary basic service. By the way, based on a mutual agreement, we have been already sending the best Ph.D. student (at the Department) every year for a one-week stay to Dartmouth College. The participants will be selected in a competition, especially according to their study results (students) and topics as to how they fit the partners’ research interests and activities (staff).

ZOOLOGY
Participants will be selected based on their personal motivation for the study of infection biology, in combination with the assessment of their marks (MSc students) and research achievements (PhD students).

**Physiology**

A specific program of collaboration will be developed individually for each of the participating institutions in Partner Countries. Each student candidate will receive a mentor in both their home and host institutions and will prepare a list of scientific and/or educational goals in the exchange program. Candidates will also be required to present their Individual Development Plans and selected participants will elaborate a progress report upon their arrival to their home institution. Participants will be selected on the grounds of scientific excellence, skill-level, and a proven history of excellent work ethics and motivation.

**Institute for Language and Preparatory Studies**

This project has only one phase – 6 weeks of the Czech language summer programme for foreigners.

**Faculty of Mathematics and Physics**

Vision of exchange students leading to academic and cultural interchange and even to future cooperation on edge cutting projects in modern physics, maths and computer science. As for the implementation, there is a selection process set, exchange students are required to must have completed at least one year of tertiary studies prior to commencing studies at the host institution. Must have excellent academic results, deep interest in the fields’ of expertise. All parties also impose language requirements and other requirements. Only academic staff with deep expertise at partnering institutions will be selected to participate at classes as lecturers. Staff attending classes to deepen their knowledge, skills and expertise will participate at such classes which are relevant to their field of scientific expertise. Both parties will support the academic staff in terms of onsite support and any stay related issues.

### 4. Impact and dissemination

**First Faculty of Medicine**

The planned mobility project is expected to provide unique opportunity to further strengthen collaboration of the Partners, to exchange know-how, improve skills of students and make progress in specific research topics, which Partners are collaborating in.

It is expected that this mobility project will facilitate collaborative research and sharing experience and best practices leading to mutual benefits of partnering institutions. Drs. Brinkman and Spidlen are internationally recognized leaders in the area of flow cytometry informatics. Visiting trainees and staff will be given hands on one-on-one instruction in these methods during their visitation. Visitors will come with their own data to analyse and will leave with the expertise necessary to teach others at their own institution. The participants will also be engaged in institution-wide presentations and tutoring activities that will disseminate results and experience. Further international impact is expected through specific collaborative projects that will be presented at scientific conferences and published in high-impact journals.

The project seeks to spread technique of the MR volumetry to university facilities all over the world. (for detailed information please see the enclosure nr.2)

We will apply the experiences in Partner Countries in Czech condition. We have operated the most patients in Czech Republic, we will stay the centre.

We want to publish the first clinical results in Journal of the American Osteopathic Association and in International Journal of Osteopathic Medicine (with IF). We want also to implement new scientific knowledge mainly about using of some objective modern technology (virtual reality) in pregradual and postgradual education of the students. The second step will be to continue with the mobility of the PhD students also focused on the health related problems of the patients with severe disability.
**Second Faculty of Medicine**
University of Colorado – University of Colorado Hospital - This mobility opportunity for above mentioned fellowship is the key for our future widening of pancreatic surgery not only in our department, but also in whole Czech Republic. Students of medical school would get an access to novel and up to date information from this field of surgery.

Boston Children's Hospital, Boston - Due to highly specialized character of pediatric cardiology and especially cardiac electrophysiology, we believe that the project will be very beneficial for cooperating institutions in terms of experience exchange, further inter-institutional cooperation planning and knowledge improvement for our participant. Pediatric cardiology, arrhythmias and basics of cardiac electrophysiology are also a part of the pre- and postgraduate educational program for medical students and doctors.

**Third Faculty of Medicine**
The educational program created in the cooperation with respected educational institutions can help overcome barriers related to the role of general nurses, and to advance it further so they can provide higher quality care for the fast growing aging population. Meaningful model of the nursing education on the Masters level (Advanced Practice in Geriatrics and Community Health) can be an inspiration for the culturally related countries of the Central Europe. The dissemination will take place in the form of an international conference, where the American side, 3. LF UK and the guests from the Czech Republic (mostly opinion makers among physicians, nurses and the government authorities) and the guests from the culturally related countries will take part.

**Faculty of Pharmacy in Hradec Králové**
The participants will exchange the skills, knowledge and development experience, which will be beneficial for both partner organisations and participants scientific and educational growth. The particular laboratory work and development will be done with regard on the current state of the art and with aim to publish the results in international scientific journals with impact factor and international scientific conferences. The exchanged experience will be beneficial for other scientist and students in both partner organisations – training of pre-gradual students, post-gradual students and Post-Docs.

The topic of flow methods is now of high interest for automation and creation simple and small ecological footprint analytical methods.

**Faculty of Humanities**
Further development and continuation of the collaboration between centres. Practical implications in the development of a common pre and postgraduate programme in long-term care. Increasing the number of English native speakers and multicultural environment in the classes provided in English.

**Faculty of Social Sciences**
Dissemination seems to be organized through established academic and national structures. The proposed project aims at establishing a long-term, extensive mobility and cooperation scheme that will ensure swift, unhindered transfer of knowledge and research best practices from the U.S. environment to the Institute of Political Studies. So far, mobility between the Faculty of Social Sciences and its U.S. counterparts has been limited to a selected few North American universities, without the objective of gradual intensification of such cooperation. The proposed project should lead to a more sustainable, less ad hoc arrangement with full and intense participation of academic employees. Apart from expanding the opportunities for students to spend a substantial part of their graduate or postgraduate period at a renowned U.S. institution, the sustainability component will be ensured by the focus on gradual development of peer-to-peer research cooperation which should eventually result in collective, jointly submitted research projects.
Mobility project represents a vast and long-reaching impact on the participants. On the side of the participants it enhances their horizons, life experience, professional competence and knowledge of academic standards in the partner’s institution of higher learning. It represents an occasion to exchange academic experience, and define new possible areas of research and teaching tasks. The project will provide the beneficiaries, i.e. the students, with an opportunity to compare different teaching approaches, angles of views, standards and norms. It will offer them a wonderful opportunity to learn first-hand about the developments in the partner country and identify delicate trends sometimes uneasy to understand from literature and news. The possibilities for student exchange will be communicated through existing and well established faculty channels. On the other hand, the department will play a crucial role in motivating, stimulating and steering its academic staff into investing necessary effort and energy into establishing mutual contacts with their American counterparts. The result should be a web of regular contacts at a working level that will ensure the continuing relevance of the proposed mobility arrangements.

Faculty of Medicine in Plzeň
Mutual exchange of PhD students and academic staff with US universities increase quality of both, educational as well as professional activities. As the main output of the collaboration, common publications in journals with impact factor are planned. The results of the mobility projects will be disseminated by workshops, lectures and practical sessions as well as by articles, leaflets, short video clips and many other ways

Faculty of Law
The project shall have impact on all participating persons - it will positively contribute to the increasing level of internationalisation of the curriculums of the both partner institutions as well as to the knowledge and skills of the students concerned, who will once become legal practitioners in in the Czech Republic, European Union and the global legal market in general. The possibility of recognition of credits will ensure the complementarity of such mobilities with the ongoing domestic legal education. The teaching mobility will help to foster academic contacts and provide ground for further scientific projects. Our Faculty will promote the program via its internet site and other relevant channels both to its students, faculty and general public.

Faculty of Science
SOCIAL GEOGRAPHY
The given cooperation (University of California, Berkeley) with very prestigious American university will strengthen the already existing ties. We believe that the mutual collaboration will bring new experience, knowledge and inspiration for Czech side, thereby enabling to create a new program of Social epidemiology of high quality and, at the same time, very attractive to pull new students. Moreover, the cooperation could improve quality of teaching and intensity of publishing research papers too. American partners could benefit from the given exchange too while getting new knowledge about a “state of the art” in the given field in Europe.

The given cooperation with one of the most prestigious universities in the USA (Dartmouth College) will strengthen the already existing ties. We are convinced that it will be reflected in better teaching, better and more intensive publication activities and, indeed, overall enriching a Czech geographical knowledge, and, perhaps, to some extent, also American geography as such.

ZOOLOGY
This mobility project opens new and advanced branch of study in biology. Participants from both countries (mainly PhD students and advanced MSc. students) will be trained in complex problematic regarding evolutionary and ecological phenomena in infection biology. Combining education in evolutionary biology, ecology, immunology, parasitology, molecular genetics and cell biology, this interdisciplinary approach will provide the students of both countries with deep understanding of ecological factors affecting disease evolution and host immunological adaptations leading towards resistance or tolerance to pathogens.
PHYSIOLOGY
This program will have a formidable impact in sharing research experience and prowess in highly-specialized scientific research techniques as well as overall scientific excellence. Established scientific and educational collaborations will thus not only lead to international scientific collaborations and publication outcomes, but will also lead to increased experience and skill levels in both students and scientists of all collaborating institutions. Newly gained skills will be naturally disseminated by an established teacher-apprentice system of scientific education as well as by a highly collaborative institutional culture, common to all participating institutions.

Institute for Language and Preparatory Studies
The expected outcome of this project is (beside exploring the Czech Republic) to disseminate information about study opportunities in the Czech Republic for English speaking prospective students.

Faculty of Mathematics and Physics
Students with opportunities of studying abroad at top partnering universities which have great impact on world science does motivate, educate and prepare future and current scientists in contributing to modern science on both local and international level. International cooperation between universities and scientists should in principal lead to current and future international cooperation and activities contributing to the universal good as it is students promise and the fundamental mission of Faculty of Mathematics and Physics, Charles University in Prague. Deepen expertise in the cutting edge science. Improve complementary skills of the participants.