



Palacký University  
Olomouc



2016

ANNUAL REPORT



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## A Word from the Rector

Events in 2016 at UP took place first and foremost under the auspices of its 70th jubilee, from the date of the reinstatement of Olomouc's university, under the name of Palacký University Olomouc. The September Alumni Meeting, with students of all years, proved that the UP community is made up of a great and diverse group of people, scattered literally across the globe. I'm glad that the graduates of our university are excelling in their professions and are able to get ahead anywhere, no matter whether they are living in Czechia, Israel, the USA, or Brazil.

The university in 2016 continued the dramatic modernisation of its research infrastructure. The most visible endeavour in this area was without question the opening of the BALUO Application Centre, which has the potential to elevate the UP Faculty of Physical Culture to a position among the most effective workplaces of its type in Europe, or for that matter, the world. At the same time the university embarked on a demanding reconstruction of the historical building complex housing the Faculty of Arts, which will be completed by the end of 2017.

In 2016, Palacký University increased its academic and scientific output, including several research findings – for example production of the smallest metal magnets in the world, or using nanoparticles to detect forgeries (“KEY LOCK” technology) – which have immense commercial applications. Because adaptability and flexibility are essential for successful development in the 21st century, in 2016 Palacký University opened several new fields with great potential in the future, for example Indonesian Studies (Faculty of Arts) and Paramedics (Faculty of Health Sciences). A number of others were accredited in English, often in the format of a double/joint degree, in cooperation with our partner universities abroad.

At the same time, Palacký University operates in the public sphere to defend the values of freedom and democracy. In 2016, for example, it adopted several Turkish academics who had suffered from persecution and political harassment in their home country.



**Jaroslav Miller**  
Rector, Palacký University Olomouc



## 2016 at UP: A Calendar of Noteworthy Events

### January

#### A star led the Three Magi to the Rector's Office

The Three Kings – Caspar, Melchior, and Balthasar – announced the birth of Jesus Christ on 6 January at the UP Rector's Office. They wished all present a Happy New Year. Monies collected by carollers during the Gift of the Magi collection were given to people who were homeless, in difficult life situations, and to single mothers with children. It was organised for the sixteenth time by Czech Caritas. Citizens throughout Greater Olomouc collected €55,000.

#### Coffee Library bistro opened in the Armoury Library building

Coffee in unusual combinations, French macaroons, sushi, and ample pho soups went on offer by the Coffee Library bistro, which opened its doors on 7 January to Armoury visitors. It's also a space for student events, business meetings, meeting friends, and a place of relaxation with its own library and magazines. There is also a small IT zone with four iPads. As of 1 January 2017, it will also incorporate a Student Career and Advice Centre.

#### Fort Science became one of the most visited sites in the region

More than 80,000 visitors from April 2015 to January 2016 made their way to Fort Science, the UP interactive science museum. It's already one of the biggest attractions in the Olomouc region.

#### UP Open House Day: academic studies, science, and tests

Open House Day took place on 16 January at all eight UP faculties. Prospective students learned about study prerequisites, the possibilities of electronic registration, and entrance requirements. They could also visit the Central Library and Fort Science.

And a free, special bus link was at their service. They visited first-rate laboratories at the Faculty of Science, took mock tests at the Faculties of Arts and Education, and practised first aid at the Faculty of Medicine and Dentistry.

#### Chemist Pavel Hobza again among the most cited scientists in the world

Pavel Hobza, who, in addition to the Institute of Organic Chemistry and Biochemistry at the Czech Academy of Sciences, works at the UP Faculty of Science and the UP Regional Centre of Advanced Technologies and Materials, was for the second time among the top 1 percent of the Most Cited Researchers in the world. The prestigious ranking for 2015 was published in January 2016 by Thomson Reuters.

### February

#### Biologists in the Amazon brought back the world's biggest bug



*The Titan beetle, the world's largest bug, in Olomouc.*

The world's biggest bug, a 15-cm (6-in.) monster, could be observed by insect fans at the Department of Ecology and Environmental Sciences at the UP Faculty of Science. Biologists brought the bug back alive from the rain forest of French Guyana, and have it under observation to attempt to fill in some gaps of our knowledge of this unique species, found only in Amazonia.

## University commemorated the 70th anniversary of its reinstatement at Academic Days Olomouc

The 70th anniversary jubilee of the reinstatement of the Olomouc university after WW2 was remembered at the Academic Days Olomouc celebration, during which UP provided a number of cultural and sight-seeing events, capped by the University Ball. News of the passing of the law which reinstated the second oldest university in the Czech lands came to Olomouc from Prague on 21 February 1946, and the announcement was accompanied by church bells. The events of 1946 were brought closer to visitors by an exhibition prepared with the cooperation of the UP Library and Archives.

## UP Rector acknowledged the best student and academic works

Jaroslav Miller on 17 February gave out 80 awards during ceremonies at the UP Faculty of Education Assembly Hall. He awarded students the Rector's Prize, while monograph authors received Honorable Mention for Scholarly Studies.

# March

## UP Science and Technology Park began offering unique 3D printing technology

To make uniquely shaped components or exact copies, to create prototypes or replacement parts. That's a quick listing of what the new 3D Print Centre has to offer, which opened its doors at the beginning of February, at the UP Science and Technology Park. Under the name UPrint 3D, firms and individuals can benefit from using the most comprehensive services of their kind in Moravia.

## Gymnastics teamed up with the ISS: The first connection from Czechia

Students at three Olomouc high schools connected with US as-

tronaut Timothy Kopra of the International Space Station (ISS) on 8 March. Facilities were provided by the Faculty of Science, on whose roof special antennas were installed, which made possible communication at a distance of roughly 400 kilometres from the orbital station. This was the first link of its kind to the Czech Republic. The technology was installed by the Haná Radio Club OK2KYJ, in cooperation with the firm ONYX Engineering.

## Twenty-eight thousand students applied to UP

Palacký University received 27,899 applications for studies in the 2016/2017 academic year. The top fields for applications were General Medicine, Law, and Psychology. There was also great interest in studying Dentistry, Physiotherapy, and Elementary School Teacher Training. The highest number of applications were received by the faculties of Arts and Education.

## Sculptor bequeathed his work to the university: The Faculty of Law is decorated with the relief "Tribute to Jan Palach"

University premises were decorated with another work by sculptor Zdeněk Přikryl. In the foyer of the Faculty of Law, Rector Jaroslav Miller, with Dean Zdenka Papoušková, unveiled the relief "Human Sacrifice – Tribute to Jan Palach". The sculptor created it in 1969, just after the death of student martyr Jan Palach. Přikryl is the former head of the Department of Art Education, now Professor Emeritus of Sculpture at UP.

## Students began to use the new UP mobile app

Palacký University launched a new mobile app for students. "UPlikace" allows students to manage their class schedules and sign in for lectures and exams, and also offers an interactive map of university buildings. One of the important functions of the app is push notification, which for example informs students when their marks have been entered. Students have been using UPlikace since spring, and teachers were incorporated into a version with support for faculty log-in starting in November.



*The University Ball in full swing.*

# April

## Fort Science hosted Blue Days

The interactive science museum, Fort Science, hosted "Blue Days" during the first weekend in April, in conjunction with World Autism Awareness Day. The event was not only about the existence of the condition, but also about the lives of people with autism spectrum disorder (ASD). The colourful programme offered lectures, movement and creative activities, and a concert by singer James Harries (UK).

## UPoint celebrated its first birthday

The university information centre and shop UPoint celebrated the first year of its existence. The shop on Olomouc's Upper Square was visited by nearly 18,000 people during that time. The university centre, shop, reading room, and community site in the House of the Black Dog offers designer clothing collections, books from the UP Press, information materials, and souvenirs in the UP colours and style.

## University management met in Switzerland regarding student stays

New opportunities for student stays at prestigious international institutions in Geneva and collaboration with the university in Fribourg were discussed by UP management in Switzerland. Rector Jaroslav Miller and Vice-Rector Ivana Oborná met with Czech representatives of the UN, WHO, and the International Committee of the Red Cross. And they also visited CERN in Geneva.

## UP wins first prize for the popularisation of science by the Czech Academy of Sciences

The Academia Film Olomouc festival confirmed its privileged position in the national context. The Czech Academy of Sciences awarded it first place in the 2015 SCIAP (SCience Approach) com-



UP representatives sought new possibilities for students at CERN in Geneva.

petition for popularising science. The jury evaluated originality, communicativeness, and effectiveness. The success of the festival gave UP the position of holding the most significant event of any kind in the field of progressive science popularisation. The student A15 club was also successful, winning a bronze in the category New Feat.

# May

## Creative Olomouc – One-of-a-Kind UP analysis

Two hundred key figures representing cultural and creative industries in the Olomouc region met during April and May for the first series of seminars prepared by Palacký University. There was also a mapping of creative industries, prepared by a special team. According to their information, creative industries make up nearly 1,500 firms, public institutions, non-profit organisations and tradespeople in the Olomouc region.

## Marek Eben made UP King of May

The first week of May brought visitors to the Olomouc May Celebrations back onto school benches. UP May Celebrations, taking place from 2 to 7 May, included a record number of accompanying programmes – workshops, outdoor activities, theatre and film presentations, and the highest number of concerts ever, with groups from Czechia, Slovakia, Poland, and England. One of the highlights was the allegorical procession and the crowning of Czech actor, moderator, and singer-songwriter Marek Eben on Olomouc's Upper Square.

## The Minister of Education appreciated an inspiring debate with UP students

Support for doctoral students, gifted children, compulsory secondary school certificates in mathematics, and greater interconnections of university studies were debated on 5 May in the Assembly Hall of the Faculty of Science by representatives of the



Rector Jaroslav Miller with Kateřina Valachová, the Czech Minister of Education.

academic community and the current Minister of Education, Youth and Physical Education, Kateřina Valachová. The politician admitted that she took back valuable input from the debates with her.

## The UP Literary Competition was dominated by students of the Faculty of Arts

A record 125 entries were judged by the jury of the Literary Competition for UP students. While authors applied from throughout the entire university, the main awards were given to students of the Faculty of Arts.

## June

### Palacký University christened its own special beer

UP, in cooperation with the Chomout brewery, prepared a limited edition, special beer: UP Ale Original. It originated in conjunction with the September Alumni Reunion, but it was also accompanied by an assortment of souvenirs at the UPoint university shop. The non-filtered, unpasteurised, top-fermented ale is sold in 0.33l bottles.

### Science and Research Fair fascinated all age groups

The favourite UP Science and Research Fair was presented to the public at the Faculty of Science, Fort Science, and the Baroque Powder House. It marked the fifteenth time the university has held the biggest popular science event in the region for children and adults. More than 50 interactive stands and exhibitions were prepared for the public.

### Unique technology detects fraudulent foods and cosmetics

Scientists at the Regional Centre of Advanced Technologies and Materials have an effective tool in their hands to fight

counterfeiters of spirits, perfumes, and cosmetics. They have developed a technology which can protect consumers against shoddy imitations and prevent them from damaging their health. The method has already piqued the interest of investors. Its commercial potential was confirmed by a gold medal at the international exhibition of innovations and patents, Invent Arena in Třinec, Czech Republic, at which exhibitors from 21 countries took part.

## July

### Learning Czech: Students from all over the world attended the Summer School of Slavonic Studies

Hundreds of foreign students interested in learning Czech were welcomed by the Summer School of Slavonic Studies, held for the thirtieth time at the Faculty of Arts. Beginners and advanced students from 27 countries around the world came to learn Czech for four weeks in Olomouc. In addition to language courses, interviews, and seminars, they also enjoyed a colourful accompanying programme. They had five lessons a day, including conversation and language drills. They also attended lectures on Czech language, literature, history, and culture, conducted in Czech, English, or bilingually.

### The Armoury was invaded again... by filmmakers

The school holidays atmosphere of the university was livened by preparations for the new film Quartet by director Miroslav Krobot. Quartet's film crew found backgrounds in the premises of UP's Audio-Visual Productions. The story of a quartet of friends-musicians was shooting in Olomouc until the end of August. University premises were also used by filmmakers in May and June, when Miloslav Šmíd's I Love You Blue was shot. In 2015, the crime series Blue Shadows was shot in Olomouc, as were Case for an Exorcist, The Case of Five Dead Dogs and scenes from Krobot's feature-length debut, A Hole Near Hanušovice.

# August

## UPoint exhibited graphic works by Aljo Beran, creator of the UP emblem

Graphic works by the painter Aljo Beran, creator of the Palacký University emblem, went on display at an exhibition at UPoint. Seventy years after the university was reinstated, the graphic works are not only a historical reminder, but also an example of the usage of Beran's work today. His shield with Athena Pallas in her helmet even decorates one of the T-shirts in the university's UniWearCity collection. The shield first appeared in Olomouc in 1947 on the occasion of the university's reopening.

# September

## Faculties of Physical Culture and Law celebrate their 25th anniversaries

In September, the Faculty of Physical Culture, which educates students in subjects connected with human movement and a healthy lifestyle, celebrated its twenty-fifth anniversary. The Faculty of Law also celebrated its twenty-fifth anniversary with the presentation of an almanac christened with champagne and a retrospective photographic exhibition. Both faculties celebrated their jubilees at the UP Alumni Reunion.

## UP received part of J. L. Fischer's estate, the first university rector after UP was reinstated

Typescripts, copies of articles, notes, documents, and the death mask of the first rector of Palacký University after its post-WW2 reinstatement became part of the UP Archives. The first part of Josef Ludvík Fischer's estate was donated by his daughter, poet and academic Sylva Fischerová, on the occasion of the 70th anniversary of its reinstatement.

## Six thousand attended the biggest meeting of university alumni

The biggest meeting of UP alumni took place on 9 and 10 September in conjunction with the 70th anniversary of the reinstatement of the university. The rich programme began with performances by famous alumni, films, and tours of university buildings. A symbolic 70 personalities in Czech science, art, politics, and sports received awards from their alma mater at the Flora Olomouc Exhibition Grounds. The ceremony was enriched by concerts from Hradišťan's Jiří Pavlica, Leona Machálková, and the revival band The Teachers, led by Jakub Železný. Music admirers also enjoyed the performances by Emil Viklický and Lucie Ceralová in the Olomouc Reduta Hall. During the last seven decades, nearly 120 thousand students have passed through UP's halls. About six thousand alumni descended upon Olomouc for the Alumni Reunion.

## The Department of Geoinformatics is no. 1 in the world in eye-tracking

The Department of Geoinformatics at the UP Faculty of Science has become the most active workplace in the world regarding publishing in the area of eye-tracking in cartography. This is a method in which a product, in this case a map, is evaluated on the basis of analysing eye movements. Information on the leadership position of the Olomouc geoinformaticians was published in the professional magazine ISPRS International Journal of Geo-Information.

# October

## UP opened Indonesian Studies, aimed at the tourism industry

Twenty students began a three-year Bachelor's programme in Indonesian Studies, aimed at the tourism industry. The discipline is unique, not only in the Czech but also in the European context, and in addition to students, representatives of the Ministry of Education, the Indonesian Embassy, Palacký University, and Universitas Udayan from Bali all took part in the opening ceremonies.

## Radio festival took place in Olomouc

An international festival of radio documentaries and dramas, Prix Bohemia Radio, took place from 3 to 5 October. It also offered a conference on the theme of children's programmes, a seminar on investigative journalism, and an accompanying programme. Actress Hana Maciušková was the festival's honorary president.

## Jiří Brady received the UP Commemorative Medal

UP Rector Jaroslav Miller awarded Jiří Brady the UP Commemorative Medal on Old Town Square in Prague on 17 November, Struggle for Freedom and Democracy Day, a state holiday. Jiří Brady survived Terezín, Auschwitz, and the Death March. His thirteen-year-old sister Hana died in the gas chamber, and both of his parents died in Auschwitz. In 1949 he emigrated to Austria, and in 1951 he left for Canada, where he helped emigrants, defended human rights, and published testimonies on the horrors of the Holocaust.

# November

## Abdul R. Ajjan lectured on the impact of the war in Syria on university life

Prof Abdul Rahman Ajjan came to lecture in the Assembly Hall of the Cyril and Methodius Faculty of Theology on 8 November. As the former dean of the Faculty of Education in Aleppo, he spoke of the impact of the war in Syria on university life and the situation in the besieged city.

## BALUO Application Centre opened

The Faculty of Physical Culture ceremonially opened the Neředín BALUO Application Centre complex on 11 November. Those interested can engage in a sport-diagnostic programme, and see what the unique scientific centre, aimed at the support of a healthy lifestyle and prevention of civilizational diseases, has to offer them. The heart of the complex is a diagnostic studio with state-of-the-art machines

for determining physical dispositions, and swimming pools equipped with recording equipment allowing one to analyse swimmers' movements. It also boasts the only indoor ski slope in Moravia.

## Palacký University again in the top 500 most prestigious schools

The university succeeded in the international evaluations of the American magazine *U.S. News and World Report*, placing in the top 500 most respected universities. In the Czech Republic, it was in second place, behind Charles University in Prague and surpassing Czech Technical University in Prague. Olomouc's university placed in the top 300 universities in Chemistry, Botany, and Zoology. Overall, Palacký University placed 494th. The rankings evaluated 1262 world universities; the final listing had the top 1000 schools from 65 countries.

## UP commemorated the Struggle for Freedom and Democracy Day

17 November, the Struggle for Freedom and Democracy Day, was commemorated in front of the UP Faculty of Law by representatives of UP, the City of Olomouc, the Olomouc Region, students, and diverse organisations. The gathering, at the Monument to Fighters for Freedom and Democracy, was prepared jointly by UP and the City of Olomouc. Deputy Mayor Pavel Urbášek and Vice-Rector Ivana Oborná spoke at the event. At its start, guests laid wreaths and flowers at the monument. November 1989 was later commemorated at the UPoint university shop, which projected an original clip with historical videos from the UP Archives at its entrance on the Upper Square.

## Miroslava Plchová of UP saved the life of an injured man

Courage, speed, and decisiveness. These three qualities saved the life of one of the participants in the Bobr Cup race in Litovel. UP's Miroslava Plchová has all three, which helped her to save an injured competitor in the three-member team extreme relay race. Plchová works in the Economic Office of the UP Rector's Office. Her good deed even caught the attention of the Czech Olympic Committee, respectively the Czech Fair Play Club, which



awarded her the Fair Play Prize for 2016. And she also received the 2016 City of Olomouc Good Deed Award for her lifesaving.

## UP welcomed thousands of applicants

Thousands of secondary school students from throughout the country did not pass up the opportunity to attend the UP Open House on 25 November. At various faculties they were given information on studies, subjects, practical applications, and could test whether they could get through the admissions procedure. A programme for applicants was prepared by five UP faculties. At the Sts Cyril and Methodius Faculty of Theology, for example, university representatives enticed students with descriptions of humanitarian missions; the Faculty of Science carried out laboratory experiments; and the Faculty of Physical Education advised on a proper diet. The UP Accommodation and Dining Office also took part in the UP Open House Day.

# December

## The rector invited UP employees for gingerbread and punch

UP employees could take a break in the hectic pre-Christmas period and have fun with their colleagues on 15 December. Rector Jaroslav Miller invited them to meet in the Armoury courtyard. The event included honey gingerbread, mulled wine, a Christmas tree, and a choir.

## UP Faculty of Education celebrated its 70th anniversary

The UP Faculty of Education celebrated the seventieth anniversary of teacher training at the university. It invited former deans, UP representatives, colleagues from affiliated Czech and Slovak faculties of Education, and representatives from the City of Olomouc and the Olomouc Region for the occasion to its Assembly Hall. About twenty personalities received the UP Commemorative Medal, including mycologist Bronislav Hlůza, mathematician and former vice-dean Milan Kopecký, head of the Music Education department Jiří Luska, head of the Art Education department Hana Myslivečková, and Bursar Milan Tomášek..



*Jaroslav Miller invited employees to a pre-Christmas gathering in the Armoury courtyard.*

# 2016 IN NUMBERS

8 faculties of Palacký University

332 accredited study programmes of various forms

24 docents named in 2016

84 accredited study programmes in various forms taught in foreign languages

411 courses of lifelong learning

27,338 applications for studies

10 professors named in 2016 on the proposal of the UP Scholarly Board

4,840 beds in UP dormitories

70th anniversary of the reinstatement of university teaching in Olomouc after World War 2, commemorated in February at UP by Academic Days

4,037 graduating students in 2016

4,744 requests for housing

6,000

702,910 volumes in the UP Library

423,301 meals served to students in 2016

people arrived for the biggest reunion of UP alumni in history, which took place from 9–10 September, in conjunction with the 70th anniversary of the reinstatement of the university

103,235 meals served to employees in 2016

930 experts from the professional sector took part in teaching

154 academic conferences, including international ones

15,590 students receiving scholarships in 2016

427 students paying full tuition

1,129 accepted international students for study stays



329 academic and scientific employees with foreign citizenship

30,000 euros distributed by the UP Endowment Fund among 10 students to support their scientific and academic research



## Applicants, Students, Alumni, UP Endowment Fund

### Applicants for studies

Every year, interest in studies at Palacký University exceeds the capacities of its eight faculties. In 2016, the UP Student Affairs Offices registered a total of 27,338 applications for Bachelor's, Master's, and Doctoral studies. For many years, the most popular disciplines have been General Medicine, Law, Psychology, Dentistry, and Physiotherapy. Just as in the previous year, the majority of applications were received by the faculties of Arts and Education.

#### UP focussed more on Slovakia

On one hand, there is the long-term demographic decline in society which is being reflected in high school graduating classes, and on the other hand, there is growing interest from graduates of Slovak high schools in studying at Czech universities – these are the main reasons why the university has strengthened its marketing activities toward its neighbours to the east. In addition to traditional participation at tertiary education fairs in Bratislava and Nitra, UP has realised its campaign in Slovakia via social networks and media aimed directly at secondary school students.

#### Trade fairs in Brno and Prague have confirmed interest in UP

An integral part of the university's PR activities aimed at potential applicants are the Gaudeamus tertiary and higher education fairs. The two-day January fair in the capital city of Prague attracted more than ten thousand visitors, one-quarter of which visited UP's exposition. The four-day November Gaudeamus fair in Brno, with nearly 200 exhibitors, was visited by 30,000 students in the third and fourth years of secondary school. In addition to the exposition, our university offered those interested a series of well-attended lectures on the possibilities of studies and on student life in Olomouc.

### Open House Day with a new app and lunch in the university canteen

On 25 November, five faculties took part in Open House Day. UP Accommodation and Dining Service introduced itself for the first time to the public, offering potential applicants not only a peek at college dormitory rooms, but also the possibility to visit the central dining hall and have lunch at student prices. Fort Science and the UPoint university information centre and shop also had Open House. Visitors could take advantage of the premier of a new mobile phone app with the Open House programme, interactive maps, public transportation timetables, and information on studies.

### Students

In 2016, Palacký University had 332 accredited study programmes conducted in Czech, and 84 in foreign languages, with a total of 20,928 registered students, out of which 1910 are from abroad. The faculties of Arts, Education, and Science had the most students enrolled.

#### UPlikace facilitated course registration

The UP Computer Centre, in cooperation with student and developer Lukáš Novák, offered students a completely new mobile telephone application, UPlikace, which is the first of its kind at Czech universities. Thanks to UPlikace, students can manage the administration associated with studies on smartphones. The app displays not only the course schedule and sign-up, but also offers students maps of university buildings, notifications when space becomes available in courses, and also announces examination dates and results.

#### University web site redesigned

The university's web presentation at the domain www.upol.cz underwent a complete transformation in September. The advantage of the new web is its responsive design, making possible convenient display of the pages on the screens of various

electronic devices – on mobile telephones, tablets, and desktop computers.

## Career Centre helps find the paths to work

Nearly five hundred employers and firms in and beyond the region were approached by the UP Student Career and Counselling Centre in August. Firms were informed about the university, the centre's activities, and primarily about the possibilities of making use of students and graduates. Thanks to the Centre, students and the public are also able to meet with successful personalities. They can also find a temporary job, internship, or permanent position.

## Interest in the dormitories remains high, at 80 percent capacity

Almost four thousand applications for accommodation were registered at the start of the 2016/2017 academic year at the UP Accommodation and Dining Office. Students particularly preferred the complexes at Neředín and Envelopa. While several innovations in services have been made, prices for dorm rooms did not change. The dormitory complexes are undergoing almost continuous modernisation. In recent years, this has meant mainly insulating buildings and making barrier-free rooms.

## Physically-challenged students break barriers on expedition in the Alps

Arranging travel and sporting activities for the physically challenged, to better understand their needs, and to try to work with them in practise in an unknown environment – these were the goals of students of the Adapted Physical Activities course from the Faculty of Physical Culture in July's Expeditions without Barriers. The week in the Alps with their physically-challenged guests gave them new experiences. The preparation and realisation of the expedition for persons with disabilities, at which the APA is aimed, give students the opportunity to get practical experience in working with the disabled, learn their needs, and try their theoretical knowledge out in practise during their studies.

# Alumni

## UP celebrated its jubilee with alumni

On 9 and 10 September in Olomouc, the huge Alumni Reunion took place, which was the climax of the celebrations of the 70th anniversary of the reinstatement of Palacký University after World War 2. This one-of-a-kind event attracted thousands of alumni and became the biggest meeting of former students in the past twenty years. In addition to events at individual faculties, there were concerts, films, exhibitions, and parties throughout the entire city. The event culminated in Saturday's all-university programme at the Flora Exhibition Grounds. UP alumni and famous musicians – singer Leona Machálková, and Jiří Pavlica of the group Hradištan – performed in the main exhibition hall. In the afternoon ceremony, Rector Jaroslav Miller symbolically awarded 70 personalities who have extended the reputation of their alma mater. They included haematologist Karel Indrák, journalist Vít Pohanka, tennis star and psychologist Helena Suková, former rector Josef Jařab, Deputy Minister of Foreign Affairs and former vice-rector Jakub Dürr, former Minister of Health Svatopluk Němeček, Chief Chaplain of the Armed Forces of the Czech Republic Jaroslav Knichal, director of the hospice at nearby Svatý Kopeček Jiří Borik, playwright and director David Drábek, and hockey trainer Marian Jelínek.

## Students received State Prize for Graduate Theses

Renata Křížková and Barbora Kasalová, students at the Faculty of Arts, were successful in the competition State Prize for Grad-



Vice-Rector Petr Bilík at the UP Alumni Reunion. Seventy alumni were given special awards.

uate Theses. The annual competition awards the best Bachelor's and Master's theses in which the authors have focussed on the development and management of human resources. The students accepted first and third prize at the Talent Forum.

## Graduates in Medicine returned to their roots

Radicés a/k/a Roots – this was the name of the joint meeting of graduates of the Faculty of Medicine and Dentistry, which took place for the third time in Olomouc. Their alma mater welcomed them on 16 April in the Great Lecture Hall of the Theoretical Institutes. The programme, which was prepared this year by the Class of 1986, included a tour of the reconstructed building of the Theoretical Institutes including its modern extensions, and lectures by alumni.

## Faculties welcomed silver and gold alumni

During the second weekend in September, Palacký University held one silver and two gold graduation ceremonies. After fifty years, graduates of the faculties of Education and Arts were given another ceremony; and after twenty-five, graduates of the Faculty of Science were given theirs. It was the first golden graduation ceremony ever held at the Faculty of Education.

## University of the Third Age

### U3A bids farewell to four hundred graduates

A festive mood prevailed over the Faculty of Law Assembly Hall at the end of June. Four hundred graduates of the University of the Third Age (U3A) gathered there. Before the eyes of their loved ones, they accepted their graduation certificates. U3A was also celebrating thirty years of its existence at the university, with 1,200 students annually. There is great interest in its courses, with each entering class admitting 200 new students, and those who graduate often return for further studies. Courses dealing with history tend to be the most popular. Students must be over

fifty years of age. Lessons take place once a fortnight and the studies end with a graduation certificate.

## Fort Science begins courses for seniors

In September, the interactive science museum Fort Science started a lecture series for seniors entitled Close Encounters of the Third Age. The course is intended for all who want to know how to effectively and positively influence the course of their own ageing. The lecturers will help participants to overcome a number of obstacles which come with ageing. It will focus on three thematic areas: How our body (dis)functions, memory training, and movement for health.



The University of the Third Age graduated 400 students.

## Interest in studying at the university

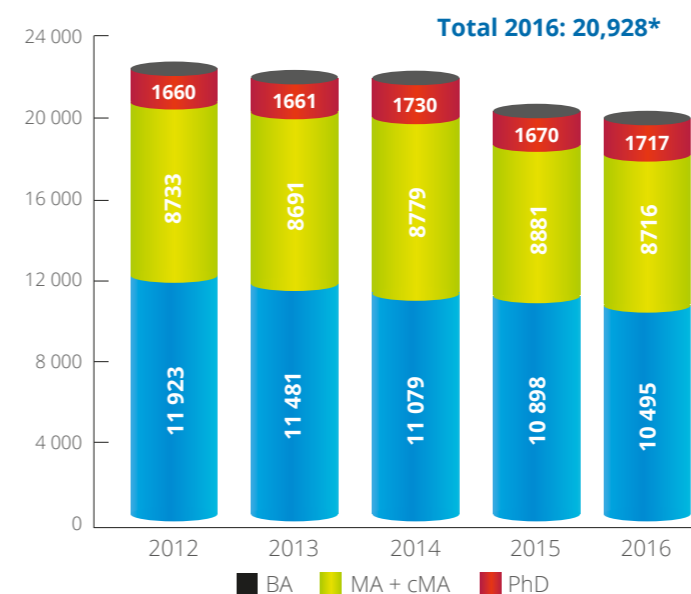
(number of applicants, number of accepted applicants, number enrolled for studies)

Palacký University		Bachelor's study (BA)			Master's study (MA)			Continuing Master's study (MA)			Doctoral study (PhD)		
Groups of accredited study programmes	CBDE (Classification of Basic Disciplines in Education)	Number of applications	Students admitted	Students enrolled	Number of applications	Students admitted	Students enrolled	Number of applications	Students admitted	Students enrolled	Number of applications	Students admitted	Students enrolled
<b>FACULTY OF MEDICINE AND DENTISTRY</b>		0	0	0	3027	493	312	0	0	0	93	82	75
Health Sciences, Medicine and Pharmacology disciplines	51-53	0	0	0	3027	493	312	0	0	0	93	82	75
<b>FACULTY OF HEALTH SCIENCES</b>		1277	298	199	0	0	0	274	126	75	0	0	0
Health Sciences, Medicine and Pharmacology disciplines	51-53	1277	298	199	0	0	0	274	126	75	0	0	0
<b>FACULTY OF ARTS</b>		5429	1208	1208	0	0	0	1456	514	514	134	101	94
Social Sciences, disciplines and services	61,67,71-73	3715	923	923	0	0	0	864	344	344	103	75	68
Education, Teacher Training and Soc.Care	74,75	172	46	46	0	0	0	159	43	43	7	6	6
Psychology disciplines	77	1210	121	121	0	0	0	326	91	91	9	9	9
Arts and Humanities sciences and disciplines	81,82	332	118	118	0	0	0	107	36	36	15	11	11
<b>FACULTY OF LAW</b>		374	108	55	1375	497	284	79	37	28	31	27	23
Social Sciences, disciplines and services	61,67,71-73	0	0	0	0	0	0	72	34	27	0	0	0
Law and Administration	68	374	108	55	1375	497	284	7	3	1	31	27	23
<b>STS CYRIL AND METHODIUS FACULTY OF THEOLOGY</b>		528	349	271	18	13	11	245	135	112	24	21	21
Social Sciences, disciplines and services	61,67,71-73	379	272	210	18	13	11	204	110	96	24	21	21
Education, Teacher Training and Soc.Care	74,75	149	77	61	0	0	0	41	25	16	0	0	0
<b>FACULTY OF SCIENCE</b>		3354	2397	1118	0	0	0	750	556	357	97	87	77
Natural Sciences and disciplines	11-18	3243	2363	1094	0	0	0	726	548	350	97	87	77
Health Sciences, Medicine and Pharmacology disciplines	51-53	111	34	24	0	0	0	24	8	7	0	0	0
<b>FACULTY OF EDUCATION</b>		4318	896	896	922	196	195	1405	465	463	83	55	53
Natural Sciences and disciplines	11-18	111	38	38	0	0	0	0	0	0	0	0	0
Education, Teacher Training and Soc.Care	74,75	4207	858	858	922	196	195	1405	465	463	83	55	53
<b>FACULTY OF PHYSICAL CULTURE</b>		1535	523	404	0	0	0	492	261	209	18	13	13
Health Sciences, Medicine and Pharmacology disciplines	51-53	261	42	30	0	0	0	119	36	34	0	0	0
Education, Teacher Training and Soc.Care	74,75	1274	481	374	0	0	0	373	225	175	18	13	13
<b>TOTAL</b>		<b>16 815</b>	<b>5779</b>	<b>4151</b>	<b>5342</b>	<b>1199</b>	<b>802</b>	<b>4701</b>	<b>2094</b>	<b>1758</b>	<b>480</b>	<b>386</b>	<b>356</b>

## Accredited study programmes (numbers)

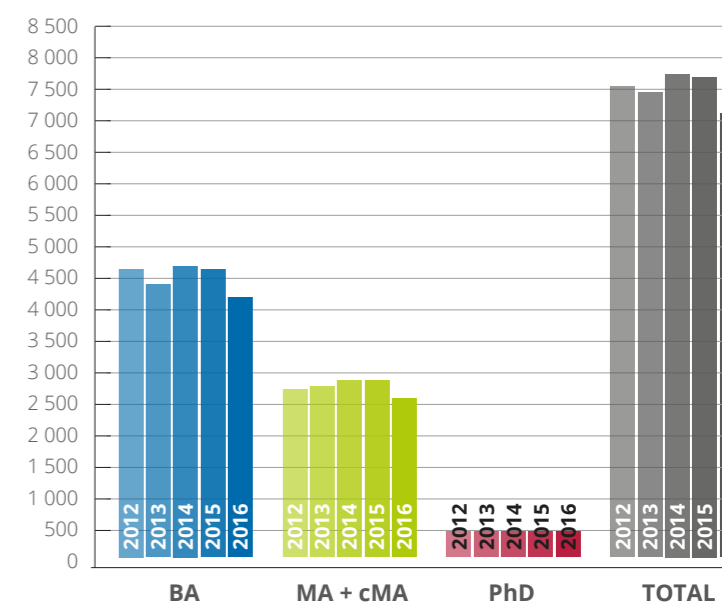
Palacký University		Bachelor's study (BA)		Master's study (MA)		Continuing Master's study (MA)		Doctoral study (PhD)		TOTAL
Groups of accredited study programmes	CBDE	FT	C/D	FT	C/D	FT	C/D	FT	C/D	
<b>FACULTY OF MEDICINE AND DENTISTRY</b>		0	0	4	0	0	0	27	25	56
Health Sciences, Medicine and Pharmacology disciplines	51-53	0	0	4	0	0	0	27	25	56
<b>FACULTY OF HEALTH SCIENCES</b>		3	3	0	0	2	3	1	1	13
Health Sciences, Medicine and Pharmacology disciplines	51-53	3	3	0	0	2	3	1	1	13
<b>FACULTY OF ARTS</b>		13	8	2	1	16	5	23	23	91
Social Sciences, disciplines and services	61,67,71-73	9	3	1	0	12	3	13	13	54
Economics	62,65	0	0	0	0	0	0	1	1	2
Education, Teacher Training and Soc. Care	74,75	0	2	0	0	0	1	3	3	9
Psychology disciplines	77	1	1	1	1	1	1	2	2	10
Arts and Culture sciences and disciplines	81,82	3	2	0	0	3	0	4	4	16
<b>FACULTY OF LAW</b>		1	0	1	0	2	0	2	2	8
Social Sciences, disciplines and services	61,67,71-73	0	0	0	0	1	0	0	0	1
Law and Administration	68	1	0	1	0	1	0	2	2	7
<b>STS CYRIL AND METHODIUS FACULTY OF THEOLOGY</b>		5	4	2	1	4	4	3	3	26
Social Sciences, disciplines and services	61,67,71-73	3	2	1	1	2	2	3	3	17
Education, Teacher Training and Soc. Care	74,75	2	2	1	0	2	2	0	0	9
<b>FACULTY OF SCIENCE</b>		11	2	0	0	17	2	21	12	65
Natural Sciences and disciplines	11-18	10	2	0	0	16	2	21	12	63
Health Sciences, Medicine and Pharmacology disciplines	51-53	1	0	0	0	1	0	0	0	2
<b>FACULTY OF EDUCATION</b>		8	6	5	5	11	8	10	10	63
Natural Sciences and disciplines	11-18	1	1	0	0	0	0	1	1	4
Social Sciences, disciplines and services	61,67,71-73	1	0	0	0	0	0	0	0	1
Education, Teacher Training and Soc. Care	74,75	6	5	5	5	11	8	9	9	58
<b>FACULTY OF PHYSICAL CULTURE</b>		2	1	0	0	2	1	2	2	10
Health Sciences, Medicine and Pharmacology disciplines	51-53	1	0	0	0	1	0	0	0	2
Education, Teacher Training and Soc. Care	74,75	1	1	0	0	1	1	2	2	8
<b>TOTAL</b>		<b>43</b>	<b>24</b>	<b>14</b>	<b>7</b>	<b>54</b>	<b>23</b>	<b>89</b>	<b>78</b>	<b>332</b>

## Total numbers of students



\* In 2016, 20,928 students registered for studies at UP in 331 programmes; 50% were Bachelor's students, Master's students made up 42% of the total, and the other 8% were Doctoral students.

## Number of enrolled students



## Graduates of accredited study programmes (numbers)

Palacký University		Bachelor's study (BA)		Master's study (MA)		Continuing Master's study (MA)		Doctoral study (PhD)		TOTAL
Groups of accredited study programmes	CBDE	FT	C/D	FT	C/D	FT	C/D	FT	C/D	
Natural Sciences and disciplines	11-18	327	14	0	0	335	0	17	4	697
Technical sciences and disciplines	21-39									0
Agriculture, Forestry and Veterinary Care sciences and disciplines	41,43									0
Health Sciences, Medicine and Pharmacology disciplines	51-53	137	44	254	0	69	15	17	28	564
Social Sciences, disciplines and services	61,67, 71-73	492	84	8	2	338	49	12	20	1005
Economics	62,65									0
Law and Administration	68	36	0	169	0	0	0	3	0	208
Education, Teacher Training and Social Care	74,75	371	244	108	38	291	236	7	17	1312
Psychology disciplines	77	53	28	15	1	28	29	4	6	164
Arts and Humanities sciences and disciplines	81,82	50	10	0	0	21	0	3	3	87
<b>TOTAL</b>		<b>1466</b>	<b>424</b>	<b>554</b>	<b>41</b>	<b>1082</b>	<b>329</b>	<b>63</b>	<b>78</b>	<b>4037</b>



*At the UP Faculty of Science (pictured) and at four other UP faculties, the university hosted an Open House in November.*

# UP Endowment Fund and UP Student Career and Counselling Centre

Successful year, big plans: The Fund supported another ten talents

The UP Endowment Fund has had a successful 2016. It was again successful in gaining Česká spořitelna (Czech Savings Bank) as a partner and was thus able to support the scientific, academic, and artistic projects of ten students from five faculties.

The Endowment Fund entered its second year of existence in 2016 and established itself in the consciousness of the academic community. University students increasingly search for offers to support their research projects. "Its mission is based on the conviction that the motivation and creativity of young people and their desire for knowledge are symbolic venture capital, which is necessary to foster and further develop. We are glad that we have found a partner in this effort whose philosophy is consistent with the views of Palacký University. I would like to thank Česká spořitelna for its generous financial support," said Jaroslav Miller, UP Rector and chairman of the UP Endowment Fund Board of Trustees, adding that thanks also go to the increasing number of donors who are university students, employees, and alumni. The Endowment Fund, thanks to its partnership with Česká spořitelna, received a donation of €30,000. "The idea of an endowment fund is unique in the Czech Republic, but it's common at a number of renowned foreign universities, and has a long tradition. It is a beneficial platform for cooperation between the university and the business world," said Pavel Jörka, director of the Regional Corporate Centre of Česká spořitelna in Olomouc. The Czech Fundraising Centre also donated €1000.

## UP Student Career and Counselling Centre

Česká spořitelna also supports the UP Student Career and Counselling Centre, which provides students primarily with consultations in the area of career advice, developmental courses, training and

workshops, meetings with employers, conferences, on-line advice, and other activities aimed at increasing the usefulness of alumni on the labour market. It helps students find temporary jobs and internships. It also informs them of other counselling centres which are operating at individual faculties. It offers the opportunity to collaborate with organisations and employers throughout Czechia. It was founded in 2015 thanks to a project of the Ministry of Education. The service is supported by the Olomouc Region and Česká spořitelna.

## Palacký University Endowment Fund

The aim of the UP Endowment Fund is to support outstanding young researchers and artists with international impact, and starting strategic partnerships with important regional and international commercial subjects. Through the support of students' international academic, scientific, and artistic activities, it desires to contribute to their personal and professional development and to resolving societal and environmental problems. The UP EF is available to all students, regardless of health or social disadvantages, as well as to foreign students at UP. The UP EF was founded in 2015 as the only one of its kind within the conditions at Czech universities.

## 42 students applied for support; the fund supported ten

Ten students received support in 2016 for academic research from the UP Endowment Fund. They were chosen from 42 appli-

### The UP Endowment Fund Board of Trustees is made up of:

- » Prof. Mgr. **Jaroslav Miller**, M.A., Ph.D., UP Rector and Chairman of the EF Board of Trustees
- » Prof. PhDr. **Zdeněk Pechal**, CSc., Department of Slavonic Studies, UP FA
- » Mgr. **Boris Cvek**, Ph.D., OUSHI (Olomouc University Social Health Institute), UP CMTF
- » Ing. **Pavel Jörka**, MBA, Director of the Regional Corporate Centre of Česká spořitelna (Czech Savings Bank) in Olomouc
- » Mgr. **Klára Vyhnánková**, project manager at Česká spořitelna for university cooperation

cants. The fund distributed €30,000 amongst students. Criteria for selection included contributions to the field, international impact of the project, and the ability of the applicant to describe the merits of their plan.

Each student could receive up to €8000 for their project. The amount of the contribution, decided by the EF Board of Trustees, depends not only on the type of research, its complexity or international impact, but also on the ability of the student to explain his/her project and its results clearly. Supported students may apply again. The fund was the 2016 winner of the FRIN acceleration programme of Česká spořitelna and the Czech Fundraising Centre. It won out in a competition of forty non-profit organisations from throughout Czechia which sought support and advice in fundraising. It won not only the main prize and the opportunity to present itself at the prestigious CEE Fundraising Conference in Bratislava, but it also won a prize from the jury for its campaign "Donate Opportunity".

## Supported students and their projects

### Petr Cieslar, Faculty of Arts

During studies in History at UP, he is trying to popularise science, bring new didactic methods to schools and follow trends in education. He has taken part in the project The Autumn of Communism at Fort Science and in the series of popularisation videos Academic Fifteen Minutes. His project Czech\_IN(G) is an audio-visual on-line course in English aimed at Czech identity, culture, and society during historical transformations. The goal of the project is to create 8 hours of video materials, study texts, and quizzes.

**Contribution from UP EF: €1800**

### Jan Černík, Faculty of Arts

Doctoral student at the Department of Theatre and Film Studies. His research is aimed at Czechoslovak screenplays from 1945–1962. His project is aimed at researching censorship in practice in Czechoslovakia from 1953–1962, when censorship was formalised and stabilised. His project is aimed specifically at censorship of shooting scripts, thanks to which it offers a different perspective on the mechanisms working in the totalitarian state than has been researched in the past.

**Contribution from UP EF: €800**

### Jaroslava Šeflová, Faculty of Science

She has devoted herself to the study of proteins via spectroscopic methods. She later applied her findings in studying sodium-potassium ATPases (NKA). Her doctoral study allowed her to connect the methods of molecular biotechnology with spectroscopic methods and focus on the study of enzyme activity. The project's aim is to study the activities of selected chemotherapeutics on the function of NKA according to its tissue localisation. The study is taking place in cooperation with SciLifeLab in Stockholm.

**Contribution from UP EF: €2000**

### Karolina Kubiasová, Faculty of Science

She graduated in Biochemistry from the Faculty of Science. At the Department of Molecular Biology she localised cytokinin receptors in *Arabidopsis thaliana* via fluorescent tags. She also dedicated herself to this theme during her doctoral studies. The project



is aimed at researching the distribution of key components of cytokinin metabolism in cells. The main goal is above all to clarify where in the cell these important plant hormones are found and in what way they are transported in the cell.

**Contribution from UP EF: €1500**

**Ondřej Laštovička, Faculty of Physical Culture**

Graduate in the field of Physiotherapy and a doctoral student in Kinanthropology, aimed at biomechanics. Together with his colleagues from other workplaces in the Czech Republic, he is taking part in research and development of sensorimotor insoles in standing and walking and preparing conditions for their eventual production. Also taking part in the project are leading Czech orthotic and prosthetic firms.

**Contribution from UP EF: €2200**

**Barbara Maková, Faculty of Science**

She is a graduate in Molecular and Cell Biology and Biology, and a student in the doctoral programme at the Laboratory of Growth Indicators. The project is aimed at the identification of derivatives of cytokinins capable of protecting cells against stress, taken from patients with hereditary early-onset Parkinson's disease, as the result of a mutation of PARK6. The goal is the identification of cytoprotective substances which after further testing could aid in treatment of Parkinson's disease, especially its hereditary forms.

**Contribution from UP EF: €5500**

**Marie Meixnerová, Faculty of Education**

A doctoral student in the field of Art Education, in 2015 she published the first Czech scholarly anthology on internet art, #mm net art. Along with fellow colleagues, she is researching the teaching of new media at art schools and works as a programmer at PAF Olomouc, is a curator, and an active artist. The project is aimed at creating an exhibition project examining the work of Olomouc artists actively devoting themselves to conceptual approaches in contemporary art, and its realisation in an established gallery abroad.

**Contribution from UP EF: €5500**

**Eva Novosádová, Faculty of Medicine and Dentistry**

She is a graduate of the Faculty of Science, now a student in the doctoral programme of Medical Biology. She dedicates herself to inflammatory pulmonary diseases at the Department of Pathological Physiology. The project is aimed at the study of RNA binding proteins, which influence events in cells and take part in the regulation of inflammation. The proteins will be studied in immune system cells taken from the lungs of patients with pulmonary sarcoidosis. The research requires cooperation with a specialised workplace in Sweden (The Caroline Institute).

**Contribution from UP EF: €4200**

**Barbora Pařízková, Faculty of Science**

A student at the doctoral studies programme in the field of Experimental Biology. In cooperation with the Swedish research institute Umeå Plant Science Centre, she is working on the study of biological activities of synthetic derivatives of plant hormones called auxins in the use of approaches to reverse genetics and chemical genomics and their analysis. The project is investigating fluorescent tagged auxins and observing their distribution in plant tissues. It should lead to more effective use of derivatives for agricultural purposes.

**Contribution from UP EF: €3400**

**Pavλίna Svobodová, Faculty of Science**

A student in the Master's programme in Analytic Chemistry, her Master's thesis is aimed at a description of the behaviour of "charged" nanoparticles, their modifications and self-organisation via capillary electrophoresis. The aim of the project is to test the form of 3D structures which allow the discrimination of enantiomers in capillary electrophoresis. The problem of separating optical isomers is a topical one in the pharmaceutical industry. A component of the project is cooperation with the University of Texas in Arlington.

**Contribution from UP EF: €3500**

**MAJOR ACHIEVEMENTS OF THE UP EF IN 2016:**

- 42 applicants with quality projects answered the second call.
- Its web pages were changed over the summer to better serve donors.
- It was connected to the donor platform [www.darujme.cz](http://www.darujme.cz).
- It successfully presented itself at several events throughout the entire Czech Republic.
- At the Academia Film Olomouc festival, it presented supported projects in PechaKucha format (20 slides, 20 seconds each).
- In autumn, the EF connected with the UP Alumni Reunion and prepared a benefit game "Donate Opportunity" in the form of a raffle where winning numbers went to support student projects.
- Supported students shot short spots to thank donors and supporters.
- The EF took part in the fundraising accelerator FRIN, at which it tested the "Donate Opportunity" campaign. The fund won in two competition categories.
- It merged the defunct Czechoslovak National Council of America Endowment Fund into the UP Endowment Fund. The transferred funds will be used to support other projects.
- In December, the fund organised an Advent meeting under the auspices of Rector Jaroslav Miller.





## Newly-Appointed Deans and Professors

New Professors Emeriti,  
Docents, and Doctors

### Zdenka Papoušková took her inaugural oath and accepted the Dean's regalia

On 24 February, Zdenka Papoušková ceremonially accepted the position of Dean of the UP Faculty of Law. She made her inaugural promises in the Assembly Hall of the faculty and accepted the Dean's regalia from the hands of Rector Jaroslav Miller. Papoušková will be the fifth person, and second woman, to helm the faculty in its modern history. The position was accepted by the new dean with honour, and with admiration and respect for the work of the previous leadership. She thanked the previous four deans by name. She replaced Milana Hrušáková, who finished her second term and could no longer stand for election. Zdenka Papoušková took over the Dean's Office on 20 January upon the appointment decree of Rector Jaroslav Miller.

#### **JUDr. Zdenka Papoušková, Ph.D.**

(b. 1974)

*A lawyer specialising in financial law, Dean of the UP Faculty of Law since 2016. She graduated from the Olomouc Gymnázium Jiřího z Poděbrad (later Slovanské Gymnázium), and later studied at the UP Faculty of Law. She received her titles JUDr. and Ph.D. at the Faculty of Law at Charles University in Prague. She started working at her alma mater in 1998 as a lecturer and later as an assistant professor in Financial Law. She is a member of the Editorial Board of the magazine Daně a finance (Taxes and Finance) and is on the Working Commission for Financial Law of the Czech Legislative Council. At the Faculty of Law in Olomouc, she has been Vice-Dean for Studies and Teaching Affairs, and since May 2014 as Vice-Dean for Education, Research and Doctoral Studies. She was elected Dean at the end of 2015. At that time she began her habilitation at the Faculty of Law in Prague.*



#### **JUDr. Zdenka Papoušková, Ph.D.**

*Dean of the Faculty of Law,  
Palacký University Olomouc*

## New professors at UP

Among the fifty-two new professors who were appointed on 21 June in the Carolinum Ceremonial Hall in Prague were gynecologist Martin Procházka and special education teacher Jan Michalík of UP. They accepted the highest academic education title from the Minister of Education, Youth, and Physical Education, Kateřina Valachová. Another new professor at UP is immunologist Milan Raška, who received his decree afterwards. The UP Scholarly Board nominated Martin Klabusay of the Masaryk Memorial Cancer Institute of Brno for a professorship. The decrees for the 52 new professors were signed by Czech President Miloš Zeman on 17 May on the recommendation of the academic, scientific, and artistic boards of Czech universities.

On the list of 55 new professors at Czech universities whose nominations were signed by the Czech president at the beginning of November, there were eight from Palacký University. The ceremonial handing over of the professors' decrees took place on 9 December in the Carolinum Ceremonial Hall in Prague with the Minister of Education, Kateřina Valachová, in attendance.

On the proposal of the UP Studies Board, the highest academic education title was given to Lenka Zajícová and Panajotis Cakirpaloglu of the Faculty of Arts, Radim Filip of the Faculty of Science, and Piotr Fudalej, Marek Ľubušký, and Martin Modrianský of the Faculty of Medicine and Dentistry. The latter is also the workplace of Milan Adamus, whose professorship was awarded at Masaryk University. Martin Fellner of the Laboratory of Growth Regulators at the UP Faculty of Science got his nomination decree on the recommendation of Mendel University in Brno.

## Twelve new docents and 46 doctors of philosophy

In the Assembly Hall of the UP Faculty of Law on 2 June, 46 new doctors of philosophy were named, who had successfully completed their studies at six faculties. Fifteen were from the Faculty of Arts, and the same number were from the Faculty of Medicine and Dentistry. Ten were from the Faculty of Science, five from the Faculty of Education, one from the Faculty of Health Sciences, and one from the Sts Cyril and Methodius Faculty of Theology. During the ceremony, twelve docents were also named.

## New titles: 3 professors emeriti, 11 docents and 77 doctors of philosophy

In the Assembly Hall of the UP Faculty of Law on 9 December, 77 students graduated from doctoral studies programmes. Eleven docents received their nomination decrees, and Jiří Černý, Pavel Marek, and Pavel Peč accepted the right to be professors emeriti. The first to accept his right to be professor emeritus, as an expression of official recognition of professional and humane qualities, was Romance Language Studies scholar Jiří Černý, who was the head of the Department of Romance Languages for twenty years, and who has received a number of awards, including the Spanish Order of Isabella the Catholic. The second to receive the honour of professor emeritus from the hands of the rector was the historian Pavel Marek, who is among the most published academics at UP's Faculty of Arts. Joining the group of professors emeriti was also Pavel Peč, who was responsible for the development of biochemistry in Olomouc. In 1996, he founded the Department of Biochemistry, and was its head for ten years.

### THE NEW DOCENTS ARE

**Radka Bužgová** (FMD), **Pavel Dráč** (FMD), **Jiří Minařík** (FMD), **Tomáš Szotkowski** (FMD), **Jozef Škarda** (FMD), **Radek Vrba** (FMD), **Kamil Zeleňák** (FMD), **Enrique Gutiérrez Rubio** (FA), **Marta Chromá** (FA), **David Kalhous** (FA), **Agata Kowalska-Szubert** (FA), **Dan Ryšavý** (FA), **Iveta Zlá** (FA), **Karel Berka** (FS), **Karel Lemr** (FS), **David Milde** (FS), **Ladislav Mišta** (FS), **Pavel Štarha** (FS), **Milan Urban** (FS), **Jana Kantorová** (FE), **Denisa Labischová** (FE), **Vojtech Regec** (FE), **Petra Šobáňová** (FE), **Jana Vašíčková** (FPC)



*New doctors, docents, and professors emeriti were named at UP.*



## NEWLY-APPOINTED PROFESSORS

### **Prof. MUDr. Martin Klabusay, Ph.D. (b. 1967)**

On the recommendation of the UP Scholarly Board, he received the title of Professor of Internal Medicine. He works at the Masaryk Memorial Cancer Institute in Brno, and partly also at the Department of Internal Medicine I – Cardiology of the Olomouc Faculty of Medicine and Dentistry and the UP Teaching Hospital.

### **Prof. Mgr. PaedDr. Jan Michalík, Ph.D. (b. 1962)**

A lawyer and teacher, and the Head of the Department of Special Education Propedeutics of the Institute of Special Education Studies at the UP Faculty of Education. A leading expert in legislation for the disabled, he focusses on persons with health disabilities and their caretakers. He took part in elaborating the

Medium-Term Concept of the State Approach to Persons with Disabilities. He is the head of Guidance Centre 2018, which provides acute support to families at the time of informing them about serious medical diagnoses of their children, and also works in crisis intervention and counselling for families with terminally ill children. He was named Professor of Special Education.

### **Prof. MUDr. Martin Procházka, Ph.D. (b. 1970)**

He is the head of the Department of Midwifery at the Faculty of Health Sciences and also the Department of Medical Genetics at the Faculty of Medicine and Dentistry. He specialises in perinatology, fetomaternal medicine, and medical genetics. His scientific interest is concentrated on the most

serious complications in pregnancy and on the problem of genetic disorders of blood clotting. In terms of international research, he works with Lund University and Sweden and Vrije Universiteit Amsterdam. He lectures at both the UP Faculty of Medicine and Dentistry and the UP Faculty of Health Sciences. He also serves on the Committee and several sections of the Czech Gynecology and Obstetrics Society of the Czech Medical Society. He was named Professor of Gynecology and Obstetrics.

### **Prof. MUDr. Mgr. Milan Raška, Ph.D. (b. 1967)**

Head of the Department of Immunology at the UP Faculty of Medicine and Dentistry, he devotes himself to the mechanisms of the immune response to selected protective antigens in fungal, bacterial, and viral diseases. He focusses on research of the pathogenesis of HIV-1 and developing future vaccines against AIDS, on which he collaborates with the laboratories of the University of Alabama at Birmingham and the Biotechnology Institute of the Czech Academy of Sciences. His team is developing a recombinant vaccine against lymphatic borreliosis in animals and humans. He is a board member of the Czech Immunological Society and the Czech Society for Gene and Cell Therapy. He was named Professor of Medical Immunology.

### **Prof. MUDr. Milan Adamus, Ph.D., MBA (b. 1957)**

A doctor at – and former head of – the Department of Anesthesiology and Intensive Care Medicine at the UP Faculty of Medicine and Dentistry. He focusses on the area of muscle relaxation and monitoring the depths of neuromuscular blocks. A number of his works are cited in world medical literature. In the Czech Republic, he significantly promoted the use of digital technology in providing anesthetic care. He serves on the board of the Czech Society of Anaesthesiology and Intensive Care Medicine and is the Czech representative in the European Society of Anaesthesiology Council. He was named Professor of Anesthesiology, Intensive Care Medicine, and Pain Management.

### **Prof. PhDr. Panajotis Cakirpaloglu, DrSc. (b. 1954)**

Member of the Department of Psychology, UP Faculty of Arts, he is interested professionally in social and personal psychology, psychological axiology, developmental neuropsychology, and political psychology. As a citizen of the former Yugoslavia, he received a Czechoslovak Ministry of Education stipend in 1985 and did a six-month foreign study stay in the field of clinical neuropsychology at the Institute for Postgraduate Medical Education in Prague. He is also a graduate of a five-year UNE-



**Prof. Martin Klabusay, M.D.,**  
Department of Oncology, Department of Internal Medicine I., UP Faculty of Medicine and Dentistry



**Prof. Jan Michalík,**  
Department of Special Education, UP Faculty of Education



**Prof. Martin Procházka, M.D.,**  
Department of Medical Genetics and Fetal Medicine, UP Faculty of Medicine and Dentistry & Department of Midwifery, UP Faculty of Health Sciences



**Prof. Milan Raška, M.D.,**  
Department of Immunology, UP Faculty of Medicine and Dentistry



**Prof. Milan Adamus, M.D.,**  
Department of Anesthesiology and Intensive Care Medicine at the UP Faculty of Medicine and Dentistry



**Prof. Panajotis Cakirpaloglu,**  
Department of Psychology, UP Faculty of Arts



**Prof. Martin Fellner,**  
*Laboratory of Growth Regulators,  
UP Faculty of Science*



**Prof. Radim Filip,**  
*Department of Optics, UP Faculty of Science*



**Prof. Piotr Fudalej, M.D.,**  
*Institute of Dentistry and Oral Sciences,  
UP Faculty of Medicine and Dentistry*



**Prof. Marek Ľubušký, M.D.,**  
*Department of Obstetrics and Gynecology,  
UP Faculty of Medicine and Dentistry*



**Prof. Martin Modrianský,**  
*Department of Medical Chemistry and  
Biochemistry, UP Faculty of Medicine and  
Dentistry*



**Prof. Lenka Zajícová,**  
*Department of Romance Language,  
UP Faculty of Arts*

SCO postgraduate course in modern problems in biology and microbiology, a member of the American Psychiatric Association and the International Academy for Research in Learning Disabilities. He was named Professor of Clinical Psychology.

**Prof. RNDr. Martin Fellner, Ph.D. (b. 1963)**

He works in the Laboratory of Growth Regulators at the UP Faculty of Science and at the Institute of Experimental Botany of the Czech Academy of Sciences. His nomination decree was recommended by Mendel University in Brno. From 2005–2011, he was the head of the Laboratory of Molecular Physiology at the Department of Cellular Biology and Genetics. He has had international experience at universities in France, Canada, and the USA. His research is aimed at plant physiology, plant hormones, and light and stress signalisation. He was named Professor of Plant Physiology.

**Prof. Mgr. Radim Filip, Ph.D. (b. 1970)**

He works at the Department of Optics at the UP Faculty of Science, is scientific director of the Centre of Excellence of the Czech Science Foundation, and is a member of the scientific advisory board of the Neuron Foundation Fund. At the centre of his interests are quantum optics, quantum communications, quantum

optomechanics, and non-linear dynamics. His research includes quantum operations with light and their applications, especially in secure optical communications technology. His findings are then tested in the top quantum optics laboratories in the world. Among others, he has received the Czech Science Foundation Presidential Award (2011). According to the Web of Science database, he is the author of more than 140 papers, with over 1300 citations. He was named Professor of Optics and Optoelectronics.

**Prof. MUDr. Piotr Fudalej, Ph.D. (b. 1968)**

He works at the Institute of Dentistry and Oral Sciences at the UP Faculty of Medicine and Dentistry, where he focusses on stabilising the effects of orthodontic treatment, gingival recession (receding gums), facial visualisation in 3D and 4D, congenital orthodontic anomalies, and lip and palate clefts. After stays at universities in Warsaw, Lublin, Seattle, Manchester, Nijmegen, he is currently at the university in Bern. In 2010, he was given the Samuel Berkowitz Long-Term Outcomes Study Award for the best paper in the *Cleft Palate Craniofacial Journal*. He is a member of the European Orthodontic Society, the American Association of Orthodontists, the American Cleft Palate-Craniofacial Association and the International Association for Dental Research. He was named Professor of Dental Medicine.

**Prof. MUDr. Marek Ľubušký, Ph.D. (b. 1970)**

Head Doctor at the Centre of Fetal Medicine of the Department of Obstetrics and Gynecology at the UP Faculty of Medicine and Dentistry, in his scientific-research work he focusses on perinatology and fetomaternal medicine, ultrasound diagnostics, the treatment of birth disorders and prenatal care in at-risk pregnancies. He has had residencies at the Fetal Medicine Foundation in London and has collaborated with the Department of Maternal-Fetal Medicine at the Hospital Clinic in Barcelona. He is a member of several foreign professional societies. He is a member of the boards of the Section of Ultrasound Diagnostics and the Section of Perinatology and Fetomaternal Medicine of the Czech Gynecological and Obstetrics Society of the Czech Medical Association. He was named Professor of Gynecology and Obstetrics.

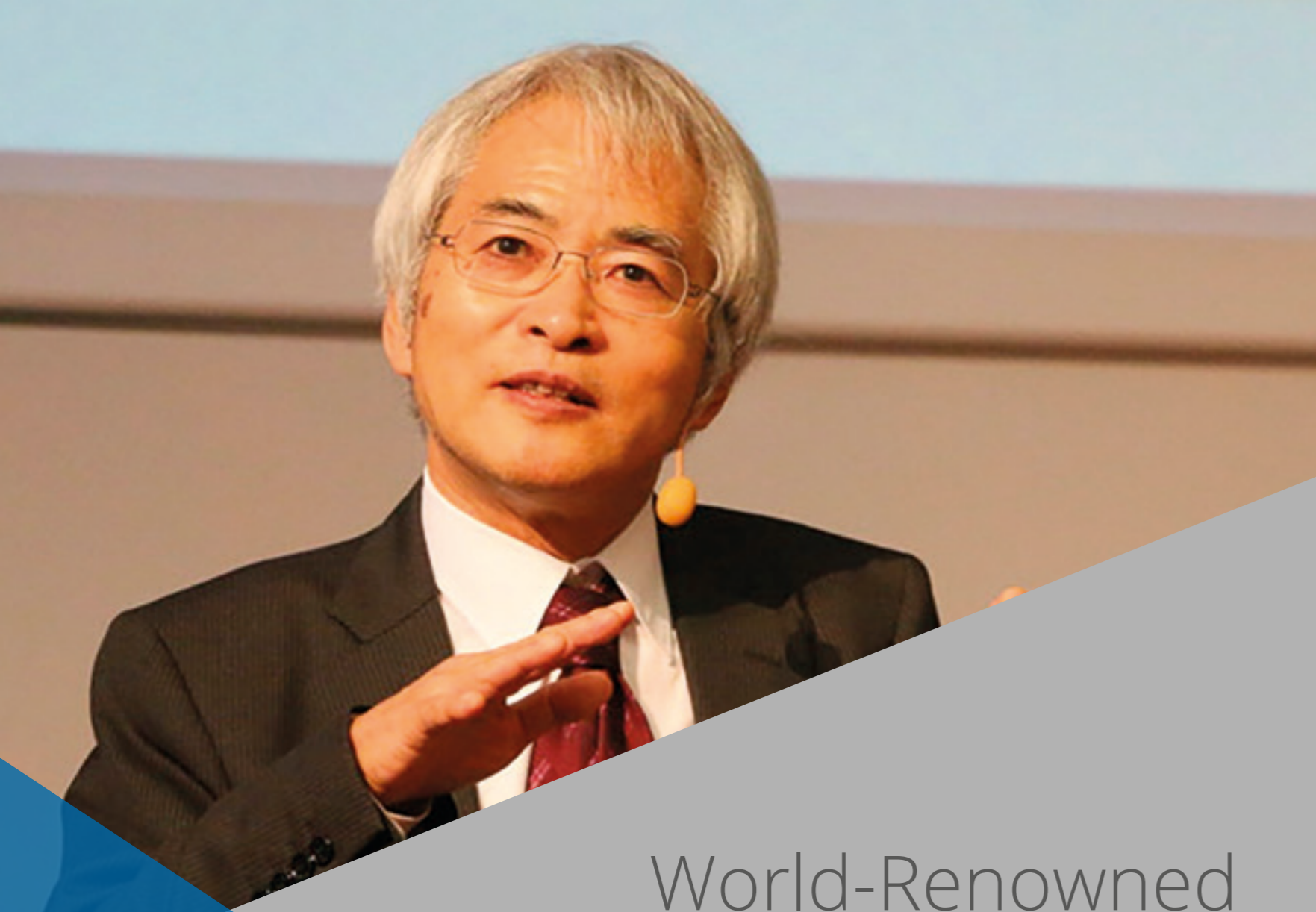
**Prof. Mgr. Martin Modrianský, Ph.D. (b. 1966)**

He works at the Department of Medical Chemistry and Biochemistry, UP Faculty of Medicine and Dentistry, and focusses on the biological activities of natural substances, with a specialisation in their influence in the respiratory chain of mitochondria and microRNA expression. In 2000 he was given the Ruth Crawford Mitchell Czech/Slovak Award by the University of Pittsburgh. He is

a member of the evaluation committee of the Albert Schweitzer Prize for Medicine, awarded by the French Embassy in the Czech Republic. He has had internships at universities in Pittsburgh and Montpellier. He was the UP Faculty of Medicine and Dentistry's Vice-Dean for Science, Research, and Doctoral Studies, and at present is the Vice-Dean for Investment, Development, and Doctoral Studies. He was named Professor of Medical Chemistry and Biochemistry.

**Prof. Mgr. Lic. Lenka Zajícová, Ph.D. (b. 1973)**

Member of the Department of Romance Languages at the UP Faculty of Arts, she focusses on Spanish linguistics, sociolinguistics, and language contact between Spanish and indigenous languages of the Americas. She has taken part in study stays and internships in the USA and Spain. She has also had research stays at the Library of Congress, the British Library, and the Biblioteca Nacional in Madrid. She has done research in Paraguay and Argentina, and lectured at universities in Madrid, Berlin, Asunción, and Nagoya. She is a long-time member of the Association of Latin-American Linguistics and Philology. She was named Professor of Linguistics in Romance Languages.



## World-Renowned Personalities at UP

### Top scientists and specialists were invited to UP

Palacký University and its facilities have long been cooperating with the Czech and international academic elite. A number of personalities also travel to Olomouc as guests of the university. In 2016 for example, Belgian molecular biologist Marc Van Montagu, the recognised expert on the magnetism of graphene and carbon structures Toshiaki Enoki, and the anthropologist of law and former advisor to U.S. presidents Leopold Pospíšil came to lecture at the Czech Republic's second-oldest university. A number of personalities also received various personal and professional awards in 2016.

#### Vicky Karkou lectured on dance therapy

The internationally acclaimed dance therapist Vicky Karkou lectured in February to students of the Faculty of Education on artistically oriented therapies in Education. She also offered a dance movement workshop. It was the second time that the professor from Edge Hill University in Britain has visited Palacký University.

#### Physical chemist Pavel Jungwirth rewriting the textbooks with his research

Science is useful, but above all, one must have fun. This was one of the truths revealed during a lecture on "wet" electrons by physical chemist Pavel Jungwirth from the Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, who was the guest of the Rudolf Zahradník Lecture Series on 12 April. He focusses on the study of ways in which electrons and ions disperse in water.

#### Biologist Marc Van Montagu: Plants are important for our survival

Belgian molecular biologist Marc Van Montagu lectured on genetically modified organisms in April. He was the most famous guest at the Academia Film Olomouc festival, which was organised by the university in cooperation with the Czech Academy of Sciences. The

winner of the 2013 World Food Prize, he lectured on the discovery of the mechanism by which bacteria can transfer genetic information to plants. The finding stimulated the development of methods of genetic engineering for plants.

#### U.S. Embassy spokesperson Daniel Ernst lectured at UP

On 2 May, students at the Institute of Foreign Languages of the UP Faculty of Education welcomed Daniel Ernst, spokesperson at the U.S. Embassy in Prague, to speak on American culture. Ernst has many years of experience as a diplomat in the Middle East, and is himself an excellent linguist who speaks Arabic and French in addition to Czech. In Olomouc however, he described the complicated system of influences which determine American foreign policy.

#### Bruce Eshaya Chauvin lectured on the professional risks of health workers

Bruce Eshaya Chauvin, a leading expert on saving health teams in places of armed conflict, was the guest of Palacký University. His lecture in the Assembly Hall of the Sts Cyril and Methodius Faculty of Theology was part of the Olomouc Days of Urgent Medicine, which took place in May in Olomouc. The discussion with the expert, who has been employed at top positions at the headquarters of the Red Cross, was preceded by a film which acquainted doctors with the complications of medical assistance in military conflicts.

## Chemist František Švec lectured to students

A world-renowned expert on the application of new polymers in analytic chemistry, František Švec from the University of California at Berkeley, on 9 June was the guest at the 11th Rudolf Zahradník Lecture Series, organised by the Regional Centre of Advanced Technologies and Materials. Those in attendance at the Assembly Hall of the UP Faculty of Science were acquainted with contemporary trends in the preparation of porous monoliths and their use in separation techniques, especially chromatography.

## Einar Stefánsson lectured at a meeting of ophthalmologists

More than 900 eye specialists and nearly 300 nurses met in Olomouc in September at the XXIV. Meeting of the Czech Ophthalmological Society, which was co-organised by the UP Faculty of Medicine. The scientific programme began with one of the most important contemporary ophthalmologists, the head of the Department of Ophthalmology at the University of Iceland in Reykjavík, Einar Stefánsson. His lecture was on the physiology and pharmacology of diabetic retinopathy – the problems of retinal damage resulting from diabetes mellitus.

## Japanese scientist lectured on graphene and its applications

The world-renowned expert on the magnetism of graphene and carbon structures, Toshiaki Enoki of the Tokyo Institute of Technology, was the guest of the Rudolf Zahradník Lecture Series at the UP Faculty of Science in October. He acquainted listeners with the properties of graphene, both from the perspective of physics and of chemistry. Graphene is considered the material of the future; due to its unique properties, it promises wide use in electronics and nanotechnologies, among others.

### Toshiaki Enoki (b. 1946)

*Professor Enoki is one of the pioneers in the field of graphene magnetism and carbon nanostructures, including the theoretical descrip-*

*tion of the magnetic qualities of non-metallic systems. He has published over 400 articles and seven books. His work has been cited nearly 10,000 times.*

## Sigrid Müller lectured on the ethical questions of prenatal diagnostics

Advice and support during prenatal diagnostics was the theme of a lecture by Austrian expert Sigrid Müller of the Faculty of Catholic Theology at the University of Vienna on ethical questions regarding families. She spoke to students, academics and the general public in Olomouc on 20 October. The professor of moral theology and Dean of the Faculty of Catholic Theology cooperates with the Faculty of Theology in Olomouc under the auspices of the Central European CEEPUS exchange programme.

## U.S. Ambassador Schapiro debated with students on rights

American ambassador Andrew H. Schapiro spoke on 3 November to students of the UP Faculty of Law on foreign politics, presidential elections, terrorism, the refugee crisis, and the gravity of climate change. The lecture was part of the ambassador's official visit to UP and its Faculty of Law. He was invited to Olomouc by the UP FL and the student group Nugis Finem.

## Pulitzer prize-winner Steve Doig met with university students

The role of the media in U.S. presidential elections was the central theme of a November discussion between Professor Steve Doig of Arizona State University and Palacký University students. The Pulitzer prize-winner spoke about the challenges that American journalists face in their attempts to provide voters unbiased information on U.S. presidential elections.

## Jan Peřina and Leopold Pospíšil invited to Fort Science

In November, the academic community and the general public had the chance to meet two important academics, legends in their fields

and winners of the Neuron Prize for contributions to world science. Physicist Jan Peřina of the UP Faculty of Science and anthropologist of law Leopold Jaroslav Pospíšil spoke about their careers. Professor Peřina works in the Joint Laboratory of Optics of Palacký University Olomouc and the Institute of Physics of the Czech Academy of Sciences, where he has established an internationally-recognised workplace. Professor Leopold Pospíšil is an Olomouc native. As an anthropologist of law, he has dealt with the cultures of the Inuit, aboriginal peoples of North America, and Tyrolean farmers. He became an advisor on human rights issues to American presidents John F. Kennedy, George H.W. Bush and Bill Clinton.

## Arben Merkoçi: How to use nanomaterials in biosensors and detectors

In December, Arben Merkoçi of the Catalan Institute of Nanoscience and Nanotechnology in Barcelona lectured on the use of nanomaterials in the construction of biosensors and miniature detectors, thanks to which can be detected for example biologically important substances in bodily fluids, pollution in the environment, or materials posing safety risks. Professor Merkoçi is one of the top researchers in nanotechnologies.

## Awards at UP

### Pavel Rychetský accepted the František Palacký Prize

The renowned Czech lawyer and President of the Constitutional Court of the Czech Republic, Pavel Rychetský, accepted the František Palacký Prize. It was awarded on 8 June in the Corpus Christi Chapel at the UP Arts Centre.

### Professor Jiří Černý awarded a Gold Medal

The renowned Hispanist and linguist Jiří Černý of the Department of Romance Languages was given the Gold Medal for Merit in the Development of Palacký University. He accepted it from the hands of Rector Jaroslav Miller.

## University awarded Vlastimil Ščudla for lifetime contributions

In April, Rector Jaroslav Miller awarded the UP Commemorative Medal to a leading expert in the field of internal medicine and haematology, Vlastimil Ščudla. He was awarded for his lifetime academic, scientific, teaching, and management work for the university, the Faculty of Medicine, and the UP Teaching Hospital.

## Central European University honoured Rector Jaroslav Miller and UP

Rector Jaroslav Miller returned to Olomouc from Hungary with a prestigious award. At celebrations marking a quarter-century of its existence, Central European University included him among its 25 most significant graduates, bestowing upon him the Alumni Impact Award. Jaroslav Miller, a historian, is a graduate of the UP Faculty of Arts, and in the mid-1990s he expanded his studies to Central European University in Budapest.

## Jiří Brady received the UP Commemorative Medal

UP Rector Jaroslav Miller awarded Jiří Brady the UP Commemorative Medal on Old Town Square in Prague. The majority of Czech universities also took part symbolically in the awarding of the medal. Jiří Brady survived Terezín, Auschwitz, and the Death March. His thirteen-year-old sister Hana died in the gas chamber, and both of his parents died in Auschwitz. In 1949 he emigrated to Austria, and in 1951 he left for Canada, where he helped emigrants, defended human rights, and published testimonies on the horrors of the Holocaust.

## Rector Jaroslav Miller awarded Docent Ishraq Dhaifalah for merit

The co-founder and former head of the Department of Medical Genetics and Fetal Medicine, Ishraq Dhaifalah, was awarded the UP Commemorative Medal in October. Rector Jaroslav Miller in this way awarded her primarily for her contribution to building the state-of-the-art workplace at the UP Faculty of Medicine and the UP Teaching Hospital.

## Other awards

### The encyclopaedia *Panorama české literatury (Panorama of Czech Literature)* won a prestigious prize

The two-volume, more than six-hundred-page book *Panorama of Czech Literature* by literary critic and historian Lubomír Machala and his colleagues from UP won 2016 Encyclopaedia of the Year in the category of biographical encyclopaedias. The publication maps the history of Czech literature. It was first published in 1994. Since then, it has sold 50,000 copies.

### The German Music Publishers' Association award given to UP doctoral student

Aleš Březina, a doctoral student of the Department of Music Education at the UP Faculty of Education and Director of the Bohuslav Martinů Institute in Prague, was given the prestigious 2016 German Music Publishers Association Prize. He accepted the award for *Bohuslav Martinů's Epic of Gilgamesh* on 8 April at the music fair in Frankfurt am Main from the hand of the head of Bärenreiter publishers.

### Professor Pavel Štěpánek won the Olomouc Region Award

The 2015 Olomouc Region Award for exceptional achievement in the area of art and literature was given to Pavel Štěpánek of UP for his book on the Portuguese family Silva Tarouca – patrons of Czech artist Josef Mánes – and their role in Czech culture. He accepted it on 4 May.

### UP employees among City of Olomouc Award laureates

City of Olomouc Awards were given on 2 June in the Assembly Hall of the UP Faculty of Education to physical chemist Pavel Hobza, scientist and doctor Karel Indrák, and the former university chan-

cellor and current chairperson of the Olomouc Jewish Community Tomáš Hrbek. Another laureate working at UP is Jaroslav Vraštil.

### Chemist Pavel Hobza also recognised by the Czech Academy of Sciences and Charles University

Professor Pavel Hobza, who in addition to the Department of Organic Chemistry and Biochemistry at the UP Faculty of Science also works at its Regional Centre of Advanced Technologies and Materials, won the Jaroslav Heyrovský Honorary Medal for merit in chemical sciences.

### Miroslava Plchová of UP saved the life of an injured man. She won the Fair Play prize

Courage, speed, and decisiveness. These three qualities saved the life of one of the participants in the Bobr Cup race in Litovel. UP's Miroslava Plchová has all three, which helped her to save the injured competitor in the three-member team extreme relay race. Plchová works in the Economic Office of the UP Rector's Office. Her good deed even caught the attention of the Czech Olympic Committee, respectively the Czech Fair Play Club, which awarded her the Fair Play Prize for 2016. And she also received the 2016 City of Olomouc Good Deed Award for her lifesaving.

### Jitse van Dijk awarded by the Kingdom of the Netherlands

Docent at the University Medical Center in Groningen and member of the team at the Olomouc University Social Health Institute at the Sts Cyril and Methodius Faculty of Theology, Jitse P. van Dijk received the title Knight of the Order of Orange-Nassau in April. The Kingdom of the Netherlands awarded him for his significant contribution to resolving problems in the area of public health and healthcare in Central Europe. Dijk in his work has focussed on improving the living conditions of people with chronic illnesses, especially patients with multiple sclerosis, kidney failure, and Parkinson's disease.

### Visionary of the Year 2016 is UP Vice-Rector Miroslav Mašláň

The award for outstanding personality in Czech innovative life was given for the first time by the CzechInno Association. The title "Vision-

aries Project Person of the Year 2016" was given to UP Vice-Rector for Transfer Technologies Miroslav Mašláň. The jury awarded him for his extraordinary contribution to the development of innovation and transfer technologies in the Czech Republic. Miroslav Mašláň is Vice-Rector and former Rector of Palacký University.



Ishraq Dhaifalah, former head of the Department of Medical Genetics and Fetal Medicine, received the UP Commemorative Medal from the Rector.





## Science and Research at Palacký University

# Ground-breaking discoveries, unique technologies, and a prestigious grant

Due to the quality of science, research, and creative output, Palacký University has been constantly one of the most prominent universities in the Czech Republic. This has been evident in the amount of public monies allocated to UP, including the support for specific research and finances for the development of the institution. A major achievement in 2016 was the awarding of a European Research Council grant, which will help to find new superfunctional materials derived from graphene.

### Scientists received grant for developing superfunctional 2D materials

Scientist Michal Otyepka of the UP Faculty of Science Regional Centre of Advanced Technologies and Materials, who stood at the discovery of the thinnest insulating material in the world – fluorographene – became the first UP scientist to receive a prestigious European Research Council grant, in the amount of €1.8 million. This will help his team to find new superfunctional materials derived from graphene, whose properties he is tailoring for specific applications in medicine, environmental protection, in highly active catalysts, and electronics.

### Expert analysis confirmed the uniqueness of Freddy Mercury's voice

The uniqueness of the voice of the legendary singer Freddy Mercury has been confirmed even by scientists. Biophysicist Christian Herbst carried out an analysis of the voice of the former member of the group Queen at the UP Faculty of Science. Herbst and his Swedish colleagues determined the singer's vocal range and other characteristics which made his voice so unmistakable. An article on the subject was published in the professional journal *Logopedics Phoniatrics Vocology*.

### Olomouc biophysicists rewrite the textbooks on spruce photosynthesis

Researchers from the Centre of the Region Haná for Biotechnological and Agricultural Research made an unexpected discovery, overturning ideas on photosynthesis in spruce trees and their kin. When working on a different research project, the scientists discovered that the photosynthesis mechanism in the spruce tree is significantly different than that of other terrestrial plants. It lacks two key light-harvesting proteins. Their findings were published in the important scientific journal *New Phytologist*.

### Unique technology detects fraudulent foods and cosmetics

Scientists at the Regional Centre of Advanced Technologies and Materials have an effective tool in their hands to fight counterfeiters of spirits, perfumes, and cosmetics. They have developed a technology which can protect consumers against shoddy imitations and prevent them from damaging their health. The method has piqued the interest of investors. Its commercial potential was confirmed by a gold medal at the international exhibition of innovations and patents, Invent Arena in Třinec, Czech Republic.

## New technique prevents incontinence after prostate tumour removal

Surgeons at the Department of Urology at the UP Faculty of Medicine and Dentistry have achieved a significant success. They created a new technique, thanks to which they have significantly reduced urinary leakage in patients who have undergone robotic prostate cancer surgery. Their results were made public in the prestigious journal *European Urology*.

## Scientists have developed the smallest metallic magnets in the world

The world's smallest metal magnets have been developed by scientists from UP's Regional Centre of Advanced Technologies and Materials with colleagues from Prague and Singapore. They used graphene as a chemical trap to work and stabilise magnetic metals only several nanometres in size. Experts are already testing their effectiveness in medical diagnoses, but they can find uses even in ecology, electronics, and biotechnology.

## Student succeeded in competition and lunched with Nobel prize-winners

Biochemistry student Tomáš Heger achieved success in the international field thanks to his taking part in the project Badatel (Researcher). The 2016 laureate of České hlavičky (Young Czech Minds), who already in high school was receiving prize after prize, and who surprised those at the Faculty of Science by his fervour for science, took third prize in the EUCYS (EU Contest for Young Scientists) competition in Brussels on his research on essential oils in lavender. At the conference in Stockholm, he also met 2016 Nobel prize-winners.

## Scientists in Borneo discovered another heretofore unknown plant

Scientists from the UP Faculty of Science and the Research Institute of Plant Production have discovered another plant of the *Thismia* genus in the sultanate of Brunei on the island of Borneo. It is *Thismia inconspicua*, which they found in the tropical rain forest in 2015. This makes it the third discovered species of a genus which was not known to exist on Borneo before the scientific ex-

peditions from Olomouc arrived. The Olomouc ecologists have dubbed it "hvězdnatka" in Czech: "starplant".

## Scientists have found a method to improve optical products

Scientists from the Regional Centre of Advanced Technologies and Materials (RCPTM) and the Joint Laboratory of Optics (JLO) at Palacký University developed together with their colleagues from the Institute of Physics at the Czech Academy of Sciences and the Meopta-Optika company brand-new multi-layer optical systems, which will be used in the products made by this largest Czech producer in the field of optics. Their project was awarded by the Technology Agency of the Czech Republic.

## Scholar receives prestigious award

The German Literature expert, Ingeborg Fialová Fürstová from the UP Faculty of Arts, was awarded the prestigious Danubius Award in Austria. Ingeborg Fialová Fürstová is the first Czech woman to receive this award.

## The Faculty of Science has another Czech Young Mind: a gymnast

One of the laureates of the 2016 Czech Young Mind competition is a student of the Slavonic Gymnazium in Olomouc, Jakub Dostál. Experts from the UP Faculty of Science aided him in the contest of gifted high school students and young scientists. His work "A new method of simulating the spread of epidemics in society" captured attention earlier in the Czech contest Researcher. The award-winning work deals with modelling of complex networks.

## Experts helped find the enzyme which causes the oxidation of auxin

A team of scientists was the first in the world to describe the enzyme which has an influence on the plant hormone auxin. The finding was carried out thanks to a unique method which was developed by Olomouc scientists at the Centre of the Haná Region for Biotechnology and Agricultural Research and the Laboratory of Growth Regulators.



Michal Otyepka was the first UP scientist to receive a prestigious European Research Council grant, in the amount of €1.8 million.

## UP publication output in 2016 – represented disciplines according to WoS and SCOPUS

WoS InCites		Scopus	
Field	Number	Field	Number
PHYSICS, PARTICLES & FIELDS	89	MEDICINE	336
CHEMISTRY, MULTIDISCIPLINARY	76	PHYSICS AND ASTRONOMY	251
PLANT SCIENCES	69	BIOCHEMISTRY, GENETICS AND MOLECULAR BIOLOGY	246
BIOCHEMISTRY & MOLECULAR BIOLOGY	61	CHEMISTRY	210
ONCOLOGY	52	AGRICULTURAL AND BIOLOGICAL SCIENCES	153
ASTRONOMY & ASTROPHYSICS	38	ENGINEERING	116
MATERIALS SCIENCE, MULTIDISCIPLINARY	37	MATHEMATICS	111
CHEMISTRY, PHYSICAL	36	SOCIAL SCIENCES	107
ENVIRONMENTAL SCIENCES	34	COMPUTER SCIENCE	86
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH	34	MATERIALS SCIENCE	86
OPTICS	28	ENVIRONMENTAL SCIENCE	76
PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	27	CHEMICAL ENGINEERING	71
CELL BIOLOGY	21	HEALTH PROFESSIONS	65
PHYSICS, NUCLEAR	20	PHARMACOLOGY, TOXICOLOGY AND PHARMACEUTICS	62
ECOLOGY	19	ARTS AND HUMANITIES	43
NANOSCIENCE & NANOTECHNOLOGY	18		
PHYSICS, APPLIED	18		
PHYSICS, MULTIDISCIPLINARY	18		
AGRONOMY	9		
GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY	9		

WoS InCites – 5 most cited fields	
Field	Number of citations
PHYSICS, PARTICLES & FIELDS	349
CHEMISTRY, MULTIDISCIPLINARY	203
ASTRONOMY & ASTROPHYSICS	124
PHYSICS, NUCLEAR	90
CHEMISTRY, PHYSICAL	66

## UP publication outputs according to WoS and SCOPUS in terms of the document type

WoS		
Document type	Number of publications 2015	Number of publications 2016
Article	996	932
Review	61	53
Proceeding Paper	36	99
Meeting Abstract	127	82
Editorial Material	13	12
Letter	9	9
Book Chapter	19	8
Book Review		2

Scopus		
Document type	Number of publications 2015	Number of publications 2016
Article	1048	1073
Review	57	77
Article in Press	71	67
Conference Paper	62	52
Letter	7	11
Book Chapter	12	9
Editorial	9	8
Note		8
Erratum		6
Short Survey		1

## Most cited academic periodicals in WOS InCites

Periodical	Rankings	Number of documents in the database	Number of citations
EUROPEAN PHYSICAL JOURNAL C	1	26	145
JOURNAL OF HIGH ENERGY PHYSICS	2	22	67
SCIENTIFIC REPORTS	3	18	21
PHYSICAL REVIEW D	3	18	30
PHYSICS LETTERS B	5	16	90
PHYSICAL REVIEW A	5	16	12
PLOS ONE	7	14	2
NEUROPSYCHIATRIC DISEASE AND TREATMENT	8	13	4
BIOMEDICAL PAPERS-OLMOUC	8	13	4
NEW BIOTECHNOLOGY	10	10	9
CHEMISTRY-A EUROPEAN JOURNAL	11	9	10
FUZZY SETS AND SYSTEMS	11	9	1
CHEMICAL REVIEWS	13	7	113
FRONTIERS IN PLANT SCIENCE	13	7	0
JOURNAL OF INORGANIC BIOCHEMISTRY	13	7	5
BMC PUBLIC HEALTH	16	6	3
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	16	6	5
JOURNAL OF INSTRUMENTATION	18	5	8
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	18	5	1
RSC ADVANCES	18	5	6

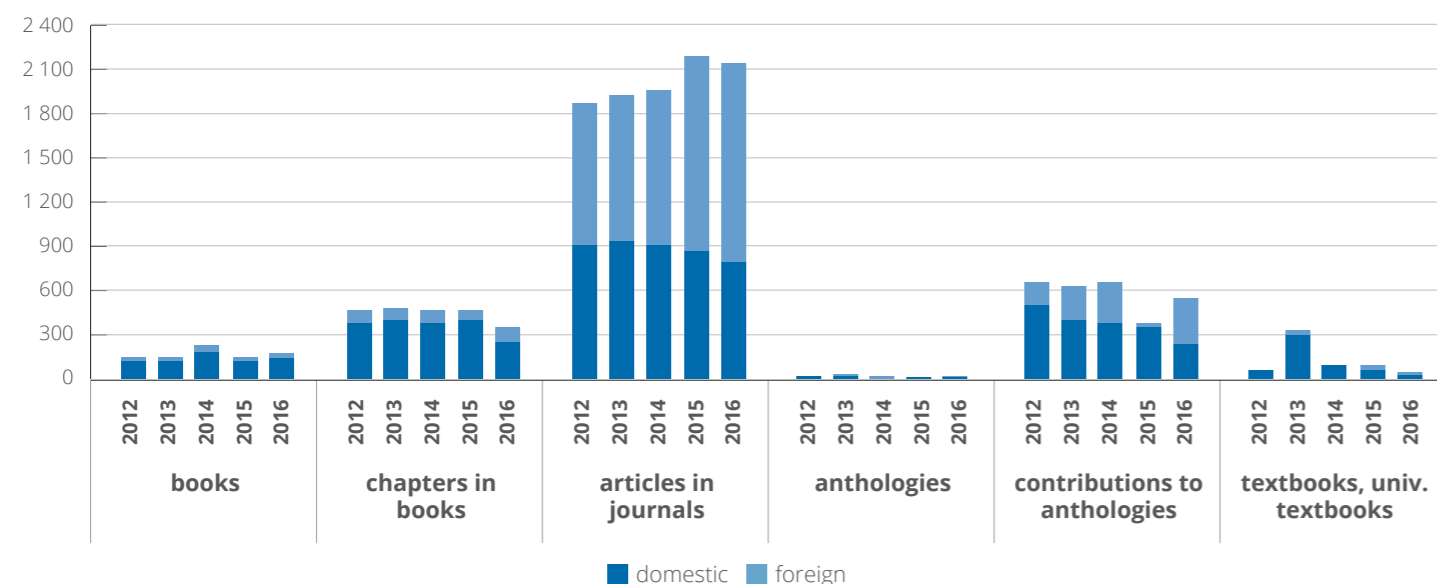
## The most prestigious publications (by IF – impact factor) authored or co-authored by UP employees in 2016

- [1] Amarenco, P., Lavallée, P., Labreuche, J., et al. (**Školoudík, D.**): One-Year Risk of Stroke after Transient Ischemic Attack or Minor Stroke. *New England Journal of Medicine*, 2016, vol. 374, no. 16, p. 1533-1542 (IF=59.56)
- [2] Bulla, M., Valcu, M., Dokter, A., et al. (**Weidinger, K., Praus, L.**): Unexpected diversity in socially synchronized rhythms of shorebirds. *Nature*, 2016, vol. 540, no. 7631, p. 109-113 (IF=38,14)
- [3] Sallis, J., Cerin, E., Conway, T., et al. (**Mitáš, J.**): Physical activity in relation to urban environments in 14 cities worldwide: a cross-sectional study. *The Lancet*, 2016, vol. 387, no. 10034, p. 2207-2217 (IF=44)
- [4] Gawande, M., Goswami, A., Felpin, F., et al. (**Zboril, R., Varma, R.**): Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis. *Chemical Reviews*, 2016, vol. 116, no. 6, p. 3722-3811 (IF=37.37)
- [5] Kolář, M., **Hobza, P.**: Computer Modeling of Halogen Bonds and Other  $\sigma$ -Hole Interactions. *Chemical Reviews*, 2016, vol. 116, no. 9, p. 5155-5187 (IF=37.37)
- [6] Georgakilas, V., Tiwari, J., Kemp, K., et al. (**Perman, J., Zboril, R.**): Noncovalent Functionalization of Graphene and Graphene Oxide for Energy Materials, Biosensing, Catalytic, and Biomedical Applications. *Chemical Reviews*, 2016, vol. 116, no. 9, p. 5464-5519 (IF=37.37)
- [7] Řezáno, J., **Hobza, P.**: Benchmark Calculations of Interaction Energies in Noncovalent Complexes and Their Applications. *Chemical Reviews*, 2016, vol. 116, no. 9, p. 5038-5071 (IF=37.37)
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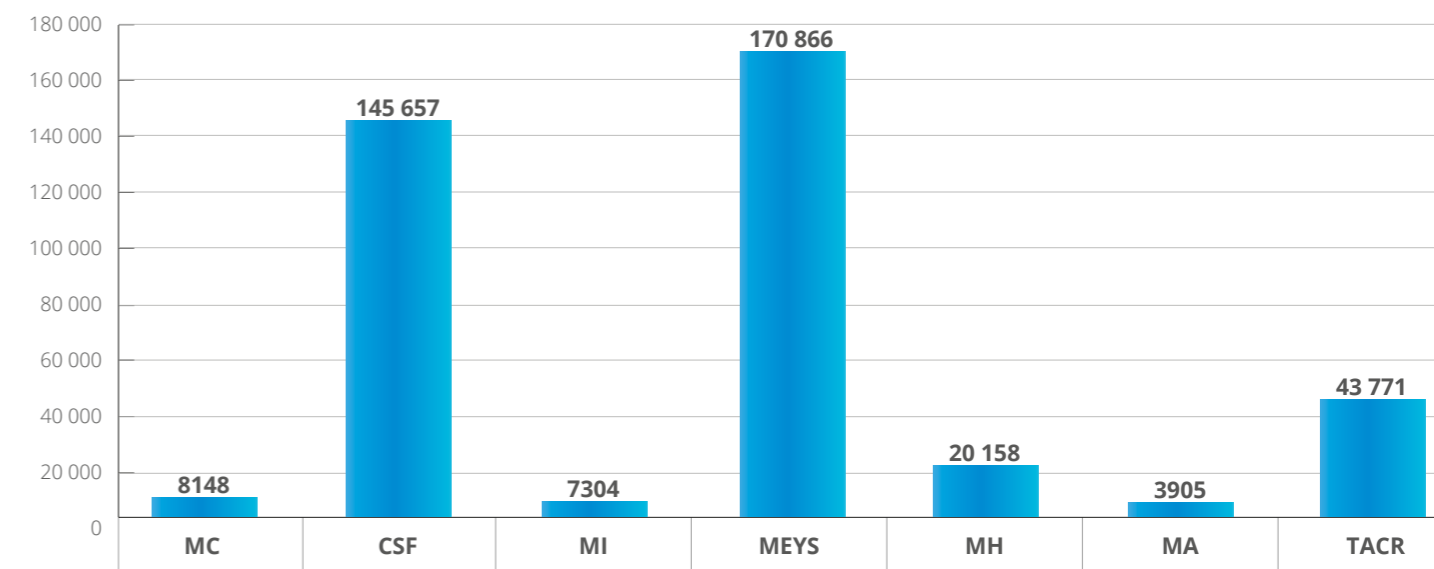


UP researches discovered a new species of plant on the island of Borneo, which they named "hvězdatka": "starplant".

## Domestic and foreign publication activity (2012–2016, OBD)



## Comparison of the size of the specific support for UP in 2016



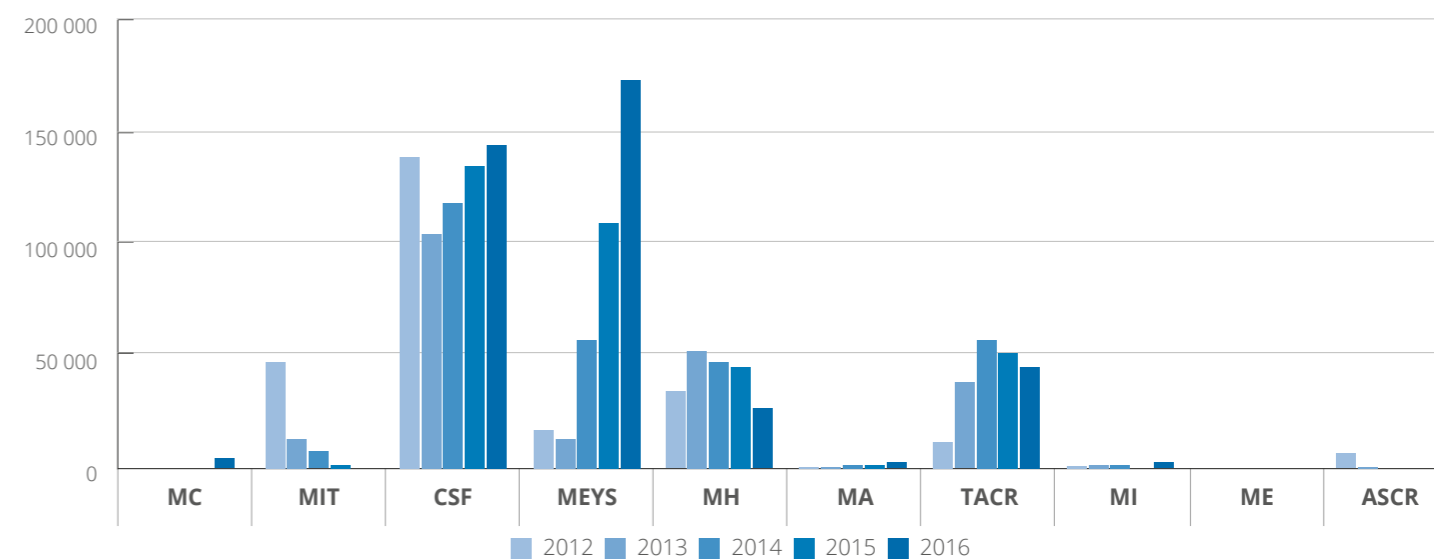
## Support programme funds for research, development, and innovation awarded in 2016

These are support programme funds for UP projects in 2016. The amount for the investigation of 204 projects, 56 of which UP is a co-investigator, was 399,809 thousand CZK (€15,443,500); in 2015 it was 336,116 thousand CZK (€12,434,000). The largest number of UP projects were realised at the Czech Science Foundation. Compared to the year 2015, it meant support grew by more than 50 million CZK (€3 million).

## Sums for financed projects in 2016, where UP is the co-investigator or investigator + finances from the Czech state budget only for UP (in thousands CZK)

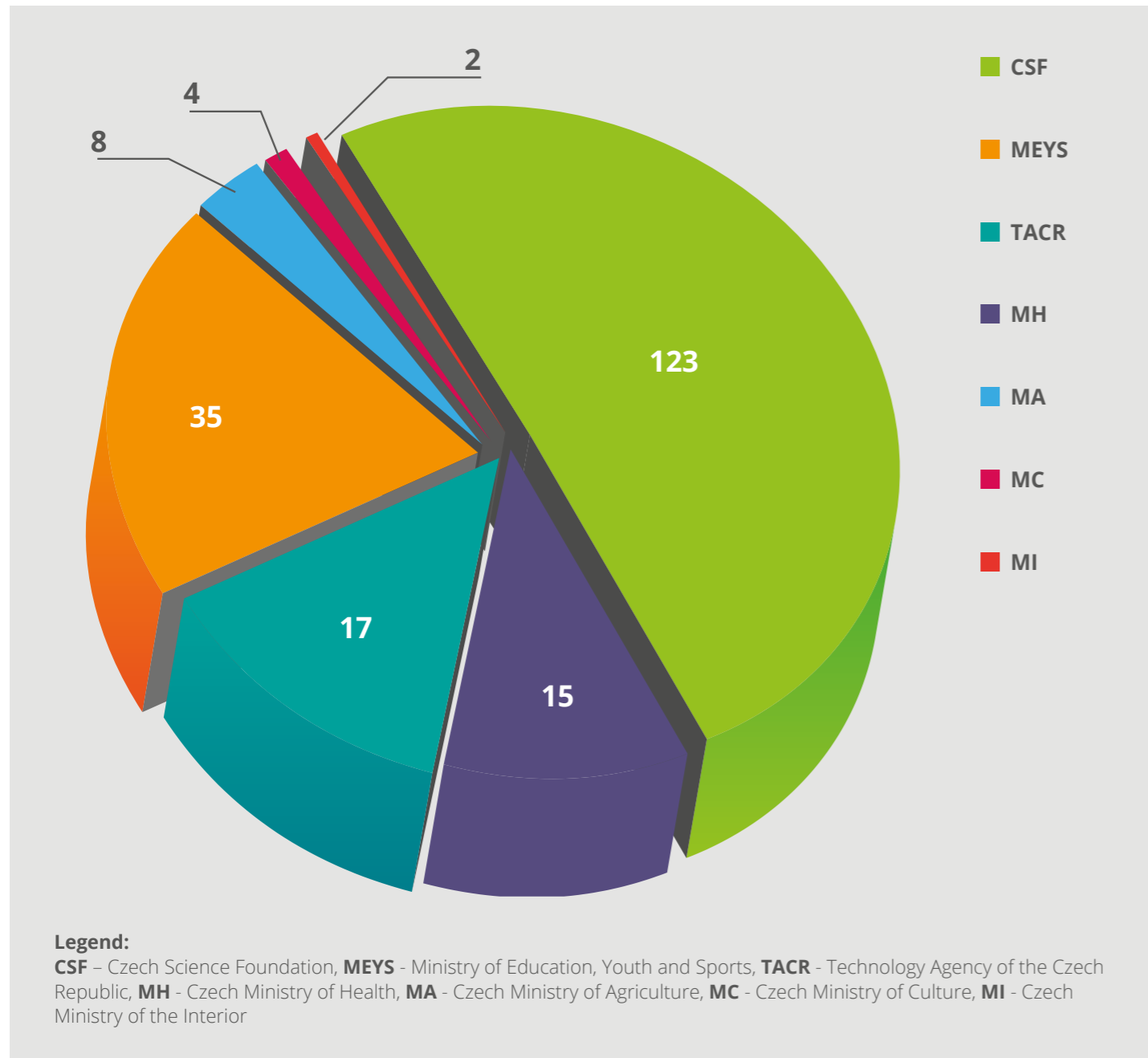
Provider	Total for the project	for UP
The Ministry of Education, Youth and Sports of the Czech Republic (MEYS) <b>35 projects</b>	531 885	170 866
The Czech Science Foundation (CSF) <b>123 projects</b>	264 842	145 657
The Technology Agency of the Czech Republic (TACR) <b>17 projects</b>	161 565	43 771
The Ministry of Health of the Czech Republic (MH) <b>15 projects</b>	40 080	20 158
The Ministry of Culture of the Czech Republic (MC) <b>4 projects</b>	17 829	8148
The Ministry of the Interior of the Czech Republic (MI) <b>2 projects</b>	10 539	7304
The Ministry of Agriculture of the Czech Republic (MA) <b>8 projects</b>	20 436	3905
<b>Total 204 projects</b>	<b>1 047 176</b>	<b>399 809</b>

## Development of support for research activities at UP 2012–2016 (in thousands CZK)



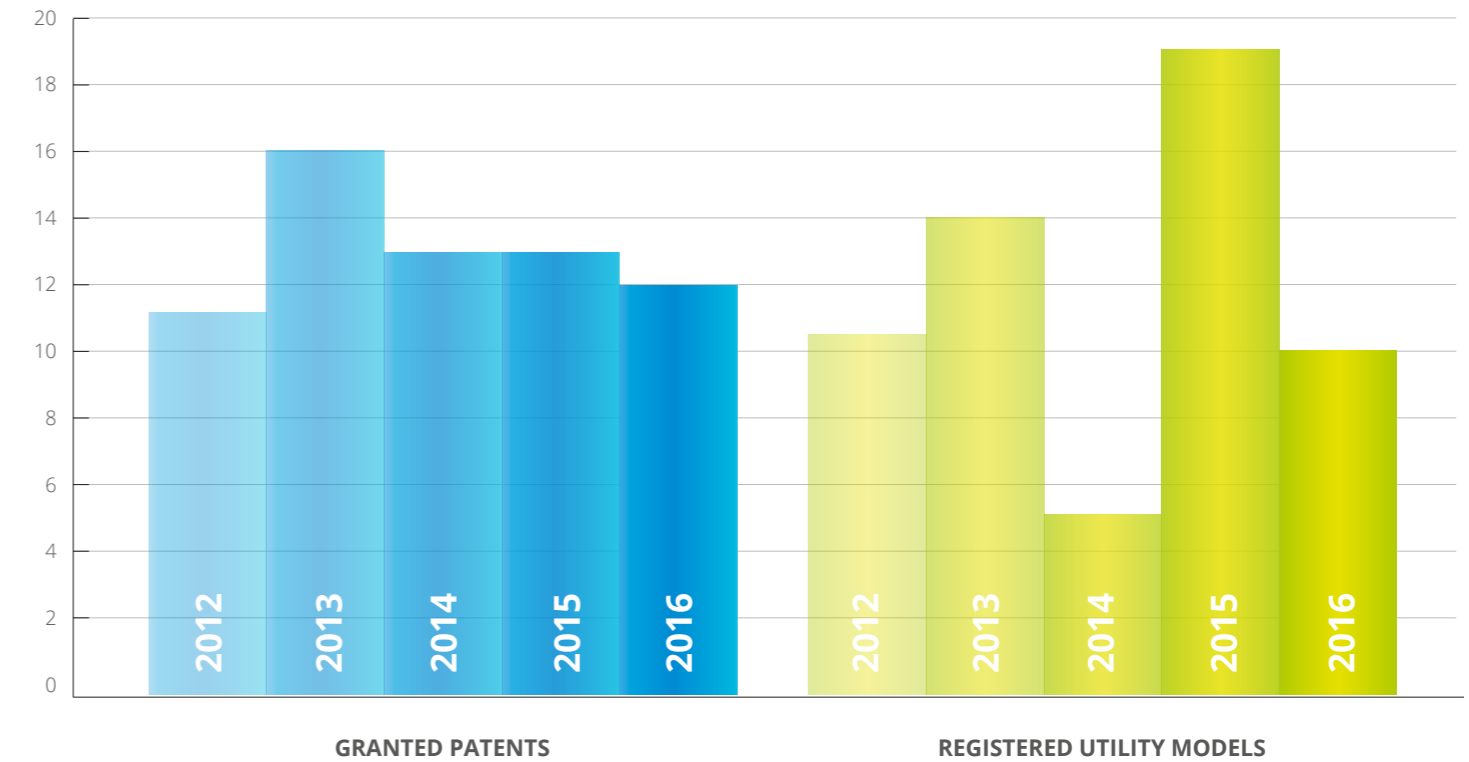
MC: The Ministry of Culture of the Czech Republic, MIT: The Ministry of Industry and Trade of the Czech Republic, CSF: The Czech Science Foundation, MEYS: The Ministry of Education, Youth and Sports of the Czech Republic, MH: The Ministry of Health of the Czech Republic, MA: The Ministry of Agriculture of the Czech Republic, MI: The Ministry of the Interior of the Czech Republic, TACR: The Technology Agency of the Czech Republic, ME: Ministry of the Environment, ASCR: The Academy of Sciences of the Czech Republic

## Number of projects and the structure of the aid providers of support for UP in 2016



## Patents granted and utility models registered

In 2016, 12 patents were granted and 10 utility models were registered. A significant rise in the number of patents granted occurred in the years 2009 and 2010, the subsequent slight decline was replaced by an increase in the year 2013, which had the highest number of patents granted to date.





## Global Rankings Academic and Teaching Activities

# UP entered THE (Times Higher Education) ranking among the 300 top European universities

In recent years, Palacký University Olomouc has repeatedly scored in prestigious international rankings comparing global universities. The rankings assess the academic and scientific performance of universities on the basis of data from the Scopus or Web of Science databases, in the majority of cases also assessing the quality of teaching, internationalisation in the university, cooperation with industry and the non-academic sector, etc. An important component is the given university's reputation in science, research, and teaching.

UP Olomouc placed in one of the most respected rankings, THE World University Rankings, which judge universities in several areas (the quality of teaching, science and research, citations, the university's international environment, and cooperation with the corporate sector) for the first time in 2015. In THE World University Rankings 2016-2017, it placed in the category between the 601st and 800th position. In the European comparison, UP placed among the top 300 European universities. It was in the same group as the following other Czech universities: Charles University in Prague, Czech Technical University in Prague, and Masaryk University in Brno. The list, published by the UK journal *The Times Higher Education* (THE), is one of the most renowned global rankings of universities and higher education institutes. In 2018, Palacký University will host the prestigious global THE Summit for the first time.

### UP enters the elite QS World University Rankings for the first time

In 2016, Palacký University entered the prestigious international QS World University Rankings for the first time. The ranking for the period 2016/2017 contains more than 900 universities;

among the TOP 700 schools, Czechia had 5, with UP taking 4th place among them. In the global ranking, it was in the 651th-700th position. QS World University Rankings is considered as the most prestigious global rankings, together with Times Higher Education (THE) and the Shanghai rankings.

### U.S. News and World Report: UP is again in the top 500 most prestigious schools

Affiliation with the world's best universities is also confirmed by the American journal *U.S. News and World Report*, which compiles the highly regarded U.S. News Best Global Universities Rankings. In 2016, they listed UP at the 494th position. Even though another 250 universities were added to the pool in that year, UP stayed in the top five hundred. In the Czech context, it beat out Czech Technical University, and was in second place behind Charles University. The year before, it was in third place. Olomouc's university was in the top 300 in Chemistry, Biology and Zoology. The U.S. News Rankings evaluated 1262 world universities, finally listing the top 1000 schools from 65 countries.

## The university significantly improved in the CWUR Rankings

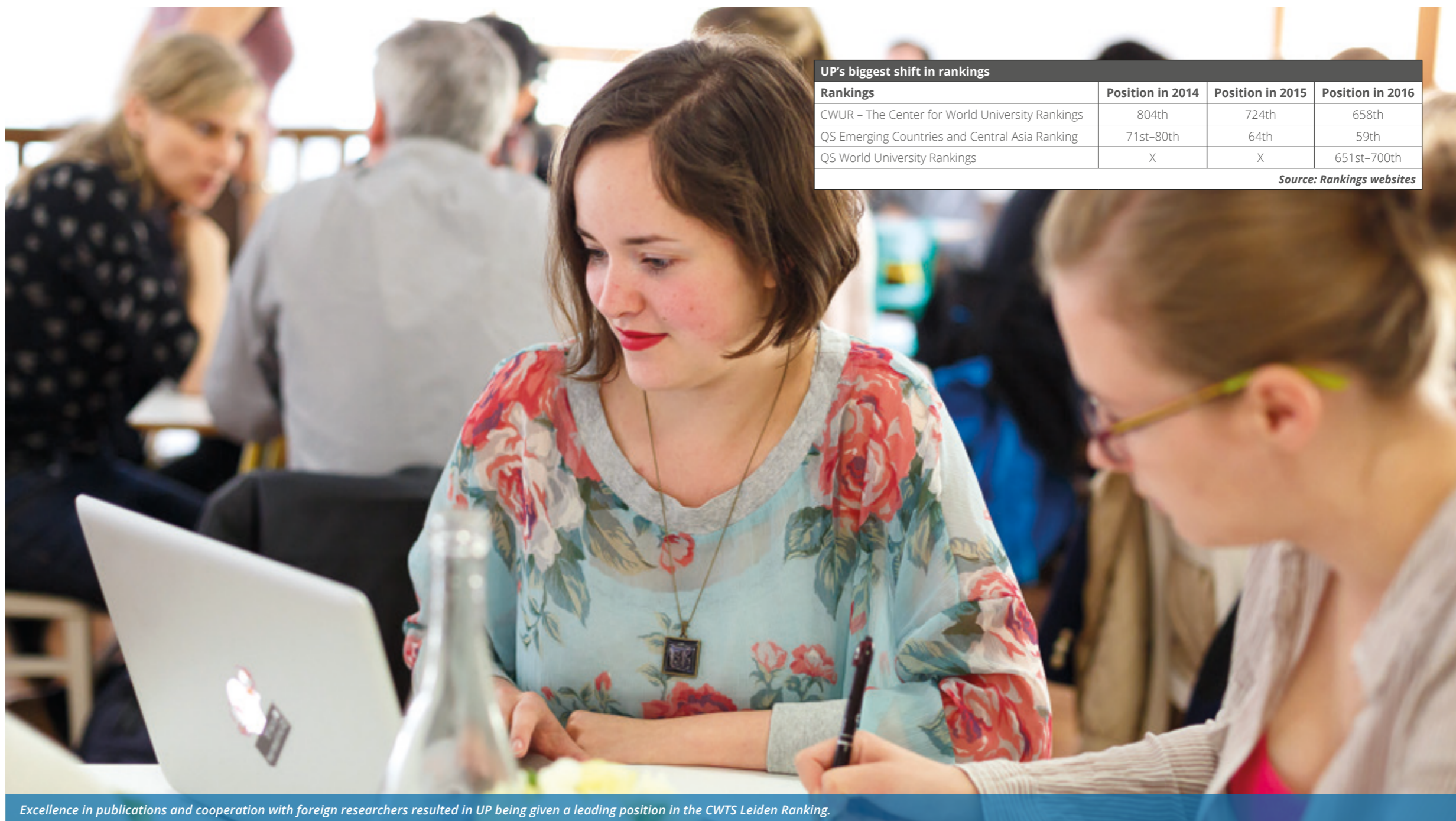
Only four Czech universities were listed in the CWUR (Center for World University Rankings) 2016. In comparison with the previous year, Palacký University improved its position the most, ending up in second place, behind Charles University. It occupied 658th place, jumping up 66 places from the year before, leaving its compatriots Czech Technical University and Masaryk University behind. The ranking is based on the Thomson Reuters database, and monitors data from the past ten years. UP, the oldest university in Moravia, bettered its position in a number of indicators. Compared to other Czech universities, it was the best in the number of international patents, at 507th place. The biggest international shift, of 75 positions, was in the Cited Articles indicator.

## UP occupies the lead place in scientific publications

Superb publications and active cooperation with foreign researchers – these strong points of UP were confirmed in the global CWTS Leiden Ranking 2016. In terms of cited studies, UP was the top Czech university. In global comparison in the category Life and Earth Science, it was in 202nd place out of 842 universities. In publications on the basis of international partnerships in the Physical Sciences, it was in 60th place.

## Shanghai Ranking: UP FPC in the top 150 sports schools

The UP Faculty of Physical Culture placed at 101st to 150th place in the global Shanghai Rankings (Academic Ranking of World Universities) in sports. The ranking evaluates especially the scientific research performance of workplaces, and Olomouc is on the same level as for example the University of Edinburgh, Florida State University, or Murdoch University in Australia. It is the first listing of UP in the Shanghai Rankings, one of the most prestigious global university rankings in the world. Ranking sports universities was introduced for the first time at the end of 2016. The other Czech school listed was the Faculty of Physical Education and Sports of Charles University in Prague, although in 201st to 300th place.



UP's biggest shift in rankings			
Rankings	Position in 2014	Position in 2015	Position in 2016
CWUR – The Center for World University Rankings	804th	724th	658th
QS Emerging Countries and Central Asia Ranking	71st–80th	64th	59th
QS World University Rankings	X	X	651st–700th

Source: Rankings websites

*Excellence in publications and cooperation with foreign researchers resulted in UP being given a leading position in the CWTS Leiden Ranking.*





# Science and Technology Park of Palacký University

The UP Science and Technology Park (UP STP) is a place for business growth, offering a bridge between the scientific and business worlds since the year 2000. It provides office and production spaces for rent, consultation services, and supports commercial use of UP expertise. It also operates a specialised workplace with 3D printing and numerical computation.

## UP STP in 2016 in numbers:

- 47** tenants
- 84%** occupancy
- 155** employees
- 51** requests for measuring and research
- 34** offers
- 24** realised contracts
- 17** acquired innovation vouchers
- 1** community UP Business Club with 29 members
- 29** participants in the Enterprising Mind competition
- 542** subjects which are the intellectual property of Palacký University
- 25** registered industrial property rights, assistance with 7 applications and 7 marketing studies
- 10** Proof-of-Concept projects, 6 of them new
- 20** educational events for entrepreneurs, with 394 participants

### Structure of the UP STP

UP STP is helmed by its director, who is overseen by the UP Vice-Rector for Transfer Technologies. UP STP is divided into three parts: Business Support; Transfer Technologies; and the Competency Centre, with UPrint 3D at its fore.

**The Business Support division** helps beginning entrepreneurs to jump start businesses with unique ideas and goals. It is building a community of business people in the form of the UP Business Club. It provides rental space to new and innovative firms (offices, laboratories, pilot plant facilities, co-working, Virtual Office). It runs educational and networking events aimed at personal and commercial growth. It offers rental space to the most interesting projects and consultation services by consultants and mentors at affordable prices and for free (Business Catapult).

**The Transfer Technology division** manages UP intellectual property. It is engaged in the development of projects of commercial interest making use of university science and research findings. It provides commercial collaboration with firms in the areas of contracted research, research on commission, and on the basis of licensing agreements. It supports establishment of firms made up of university employees, making use of the results of research and development. It provides project support for academics and firms.

**Specialised workplace with UPrint 3D** at its fore, the largest centre of industrial 3D printing in Moravia, offering 3D printing from plastics, polymers, metal powders, and paper, including 3D scanning. The numerical modelling workplace provides simulation in the program ANSYS Multiphysics on an SGI UV2000 machine including rental of computer time.

UP STP is a member of several professional associations and networks (Enterprise Europe Network, Czech Innovation, Science and Technology Parks Association Czech Republic, the National Cluster Association, Transfera.cz, Association of Innovative Entrepreneurship Czech Republic).

# UP STP Activities in 2016

## Business Support division

The UP Science and Technology Park offers 4083 m<sup>2</sup> of space for rent for business operations in three buildings.

## Benefits of leasing at UP STP:

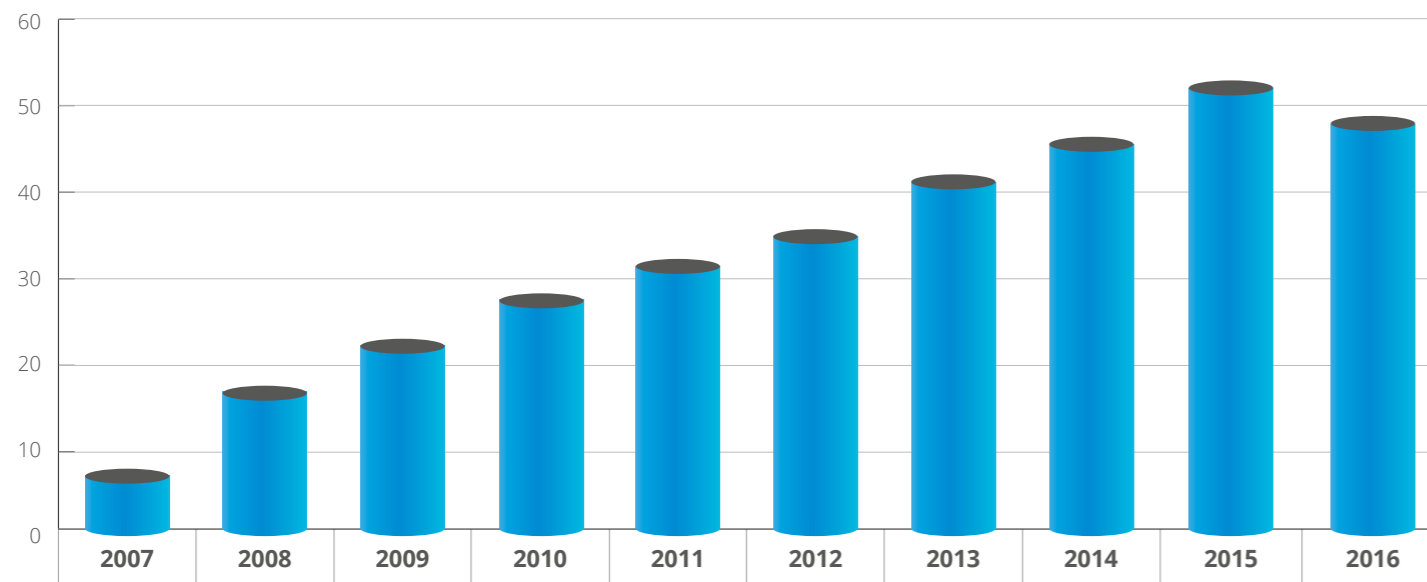
- reputation, facilities, equipment, location, and UP expertise;
- excellent accessibility by car and public transport, free parking;
- easy connection to the city ring road and the D1 motorway Prague–Brno–Ostrava;
- conference rooms for short meetings and favourable rental rates for training rooms;

- relaxation zone, co-working;
- advice by UP STP consultants and external mentors;
- regular seminars and workshops in the UP STP spaces;
- a community of business people;
- reception services (printing, binding, coffee, refreshments and newspapers);
- 24/7 access to the building, CCTV system, security service;
- cleaning service;
- possibility of dining in the complex.

## Types of premises available for lease:

- Virtual Office / company headquarters;
- co-working 24/7 and co-working mini;
- office spaces;
- production spaces for small manufacturing;
- laboratories;
- classroom with all-inclusive refreshments (coffee/tea provided for free).

## Number of UP STP lease holders



As of 31 December 2016, UP STP had 47 lease holders occupying 3256 m<sup>2</sup>, representing 84% total occupancy. The firms employ 155 people.

## Enterprising Mind competition 2016

This competition for the best business plan helps find and reward the best ideas. Dozens of competitors take part in it each year. UP STP consultants help participants even in plans for their competition entries. From their ranks, a jury of experts eventually selects the ten best to go to the finals. Consultants then help the finalists with developing their business plans and together they try to transform good ideas into great firms.

## UP Business Club

An inspiring community, whose members are entrepreneurs – and not only from the ranks of students and businesspeople. It began as a link between the academic and corporate spheres, in order to help UP students in development as well as generate new creative ideas for Olomouc businesspeople. STP – respectively, the Business Club – organises educational and networking events. During 2016 it held 20 events for 394 participants, made up of students and business people alike.

## UP Business Camp 2016

This conference about the road to a successful business is the annual apex of UP STP activities in the area of personal development and business support. During the conference in 2016, €500 was collected from donors during an accompanying programme. Proceeds from the charity event went to UNICEF, thanks to which they were able to inoculate 22 children in developing countries against fatal children's diseases.

## Technology Transfer division

### Business development – searching for commercially interesting results at UP and their promotion

A catalogue of equipment and services is updated with the aim of searching for possibilities of cooperation. UP workplaces were given help when submitting for innovation vouchers from OP PIK (Operational Programme “Entrepreneurship and Innovation for Competitiveness”). For the **Regional Centre of Advanced Technologies and Materials**, it mediated 6 for-

eign offers for the MS96 machine, creating offers of cooperation with the companies Beckman Coulter, Innovacio, MIELE, Mubea-HZP, and Archer Daniels Midland Trading. It also mediated requests for measuring machines.

For the **Institute of Molecular and Translational Medicine**, a marketing campaign was prepared for the project Pre-seed “Hyperbaric Mini-chamber”, and UP STP found interest in the project from the international firm VWR International. It resulted in connecting the IMTM with the firm Annabis, in order to cooperate on clinical studies of cannabis at UP.

For the **BALUO Application Centre**, UP STP advised on cooperation with the firm GREENLUX. It carried out 4 stress tests. For the Haná Region Centre, it arranged ORAC (oxygen radical absorbance capacity) testing for the firm Kalma.

UP STP further published an informational brochure entitled “Themes Framework of UP Cooperation with Businesses”. UP STP presented UP and the Department of Geology to the French firm AD-LAB, looked for partners within the framework of the International Engineering Fair and the event Contact2Contact, and addressed exhibitors for the Work and Education Fair. It also attended and held a lecture at the conference INOVACE PRAKTICKY (Practical Innovations) 2016 at the University of Pardubice. At the same time, it presented UP activities in transfer technologies at the seminar 3rd Training School of IMPRESS, presented technologies at an seminar in the project “AdPack”, and prepared a new brochure on its 3D printing centre. It arranged microscopic measuring at the Department of Experimental Physics with the firm Senior Flexionics Czech.

**In total, it had 34 commissions, of which 24 were commercial. It provided 115 hours of expert consultations.**

## Proof-of-Concept projects

UP STP continued in Proof-of-Concept projects at verifying and preparing commercial applications of selected research results with the support of the programme GAMA TG01010080 of the Technology Agency of the Czech Republic.

## Administration of UP intellectual property

The UP Science and Technology Park has registered in its database more than 542 UP intellectual property items, of which 210 have been protected by industrial laws in effect; specifically, 122 patents and 66 utility models. The rest are considered industrial designs and trademarks. A total of 49 percent of rights are valid abroad. Another 74 technical solutions have

been filed for protection, but have not yet been granted industrial rights.

## Project support

- **Innovation vouchers of the Olomouc Region.** UP STP consulted on Innovation Vouchers of the Olomouc Region in 2015. It aided in the project of Prof Juraj Ševčík with the distillery Palírna U Zeleného stromu in Prostějov.
- **Operational Programme** “Entrepreneurship and Innovation for Competitiveness” Innovation Vouchers. Promotion of the start-up Innovation Vouchers within the call by the OP EIC. UP STP assisted in 17 vouchers. For the 7 vouchers, it arranged the contracts (the total amount of the vouchers was roughly €81,500).
- **International projects.** UP STP was chosen in the tender “Building Capacity for Transfer Technologies” within the auspices of the project PROGRESS-TT. Support is provided to workplaces which show great potential for development (only 15 such workplaces are in the EU) and includes 12 days of intensive counselling and support in the form of coaching from major European transfer technologies institutes.
- **Project - Transfer Technologies Team at UP.** By launching the project “Transfer Technologies Team at UP”, UP STP shared in preparations and management of the project “Building of expert capacities - transfer technologies”. It involved training staff and doctoral students at six of UP's faculties within the course “Essential knowledge of protecting intellectual property protection and commercialisation”.

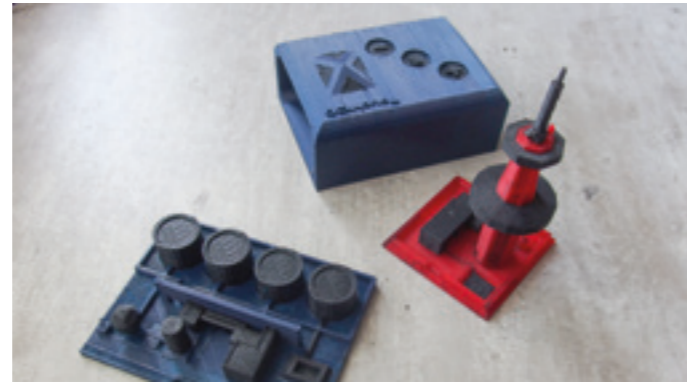
## Specialised workplaces

### UPrint 3D - 3D printing and scanning workplace

One of the largest workplaces of its kind in Moravia, offering its services in 3D printing, 3D scanning, advice and project support to firms and to university workplaces. During its time of operations it has become the first choice for realisation of 3D printing for people from the greater Olomouc region who no longer need to purchase expensive professional technology nor pay specialists in additive manufacturing out of pocket. UPrint 3D offers printing from diverse materials (metal, paper, plastic, photopolymer). The staff of UPrint 3D suggest suitable material with suitable properties and help customers to accommodate the desired

model for 3D printing. The workplace also offers 3D scanning of objects' surfaces and textures.

3D printing is used today for creating prototypes and small batch production. 3D printing - as opposed to standard technologies of casting or injection moulding, turning, or CNC machining - brings huge savings in time. The technology makes it possible to design the formal optimisation of the product, or to design parts of unusual bionic shapes which with standard technologies are difficult to manufacture or to manufacture at all.



## 3D digitalising

It allows scanning of a component and rendering of its 3D model. UP STP offers precise scanning of small and medium-sized objects with an accuracy down to 0.08 mm, and scanning (including textures) with an accuracy down to 0.35 mm. It is also suitable for scanning damaged or broken parts for the creation of a reconstructed model.

## Numerical Simulations workplace

UP STP has a High Performance Computing and Numerical Simulations workplace, which offers a unique SGI UV 2000 server intended for especially for complicated numerical simulations. Thanks to the NUMAlink® 6 architecture, it has 128 cores and 1 TB RAM within one machine, on which it is possible to run one's own software, and/or ANSYS Multiphysics is available, the world's most widely used software for numerical modelling of physical processes (flow, stress and fatigue calculations, etc.) The workplace offers help in constructing computer models, creating computer networks (in the programs ANSYS Meshing and ICEM), running calculations, processing and evaluation of data.



Building complex B is most used by starting entrepreneurs.



## UP Accommodation and Dining Office

# UP Accommodation and Dining Office in 2016

The year 2016 can be characterised as the first year of the realisation of the concept of development of the UP Accommodation and Dining Office (UP ADO) according to the new strategy presented at the end of 2015 to the Rector's College and the Academic Senate. Gradual steps were made in the spirit of the adopted motto "UP Accommodation and Dining – A Good Place for Studies and Life".

### UP Canteen takes part in the Garden Food Festival

The UP Canteen sent its gastronomic team to the second year of the regional festival of good food and drink, the Garden Food Festival, in mid-May. They prepared cream of pumpkin soup, beef jowls in wine with mashed potatoes, and venison and beef goulash served inside homemade bread. "We served more than 900 portions of venison goulash, and the beef jowls with mashed potatoes sold like hotcakes," said Dagmar Pochylá, head of the UP Canteen. The university canteen had already convinced visitors and organisers of the festival last year that it can compete with renowned restaurants. UP also organised a contest at the event for the best student recipe for soup.

### A community garden for students grew

The possibility of growing your own herbs and vegetables, to fulfil the idea of sustainable development, and to meet with friends and work on common projects is offered by the Václavka community garden, which was created thanks to the initiative of the student association Sustainable Palacký at the dorm Bedřicha Václavka. It was ceremonially christened by Rector Jaroslav Miller and Josef Suchánek, the director of UP Accommodation and Dining. Václavka garden grows on a former lawn at the dormitory

building. Students established plots and planted strawberries, basil, coriander, spinach, and courgettes. Workers from the Accommodation and Dining Office helped to realise the project.

### Personnel

- There were fundamental personnel changes in leadership of the Operations and Technical Division of ADO; on the basis of a competition there was a new director of the ADO OTD and subsequently his direct subordinate, the head of internal maintenance. The contributions made by both workers were significant.
- With respect to the continuing internationalisation at UP, there continues to be a deepening of foreign language knowledge of existing ADO employees and a clear preference for language competencies when hiring new employees. For example, for positions at Reception, they are a necessary qualification.

### Students, cooperation

- ADO joined the Gaudeamus College Fair and took part in the UP Open House to popularise UP among high school students and their parents.
- Erasmus Czech It Out – support and co-management of the event with the UP Dormitory Board, including informal talks with newly entering Erasmus students to help make their adaptation to extra-curricular life at UP more smooth

- Support for student groups, such as Sustainable Palacký and its activities to build a community garden at the Bedřicha Václavka dorm, and sorting waste
- Significant increase in activities on the ADO Facebook pages

## Canteens, dining, dining services

- Simplification and transparency in the prices of dining services at UP accommodation facilities
- The realisation of a decision to devote maximum attention to the quality of raw materials bought, and a definite preference for quality over price
- The UP canteen increased the volume of services provided in addition to standard meals for students and staff by a significant measure – primarily due to special dining services at events at UP faculties and the Rector's Office
- Upgrade in the canteens' information system
- Continuing work on preparation and project documentation on renovations at the central dining hall at 17 Listopadu Street
- 3D visualisation of the UP canteen complex – groundwork for the new UP ADO webpages

## Dormitories, accommodation, accommodation services

- Simplification and transparency in the prices of accommodation services at UP accommodation facilities
- Preparation of a new University Dormitory Policy
- Significant improvement in making use of accommodation capacities during summer holidays, up to 25% more filled than in the previous year
- Changes to improve the furnishings of dormitories and their surroundings

## Participation of UP ADO at events

(a selection of the most significant):

- AFO (Academia Film Olomouc)
- UP Majáles (Student May Celebrations)
- Garden Food Festival
- Olomouc Half-Marathon
- Korfbal World Championship
- Czech Open World Tour 2016 International Tourney in Table Tennis

- Czech Debating Society
- Olomouc Baroque Celebrations
- Summer School of Slavonic Studies – UP Faculty of Arts
- Summer School for Foreign Students – UP Faculty of Education
- SDRUK – National Meeting of Librarians in Olomouc
- UP Alumni Reunion in Olomouc
- Punch with the Rector – Pre-Christmas refreshments for UP employees

## Projects, events (a selection of the most significant):

### Furnishings of dormitories and canteens – supplementation and extension of services

- Completed reconstruction of the new breakfast outlet at the Generála Svobody dorm
- Participation in preparations of a project for a new traffic plan in the Envelopa dormitory complex
- Construction of new study rooms in the Neředín dormitory complex
- Construction of a new gym in the Neředín complex
- Outdoor chess in the Envelopa and Neředín complexes
- Partial modernisation of the gym in the Envelopa complex (8/2016)
- Fictitious Business Fair in Fort Science – international student event (12/2016)
- Installation of safety elements and systems (mechanical and electronic) at the Envelopa complex and E. Rošického dormitories
- Reconstruction of the former chancellery at the B. Václavka dorm into a 1BR flat
- Central copy machine/printer (SafeQ) for students at the B. Václavka dorm
- Construction of a pétanque court in the Envelopa complex
- Realisation of the initial stages of a project of develop the surroundings of the dormitory in Chválkovice – planting trees and construction of a pétanque court
- Wi-Fi network at the Šmeralova dormitory in the Envelopa complex
- Wi-Fi network at two dormitories in the Neředín complex
- New service provider of vending machines (hot drinks) at the UP dorms and canteens – deployment of new vending machines at all UP dorms

## Public contracts

During the course of the year, public contracts for small purchases came to a total of €385,000; of which slightly more than half were construction contracts and the other part consisted of supplies and services.

## University accommodation services

Total capacity at UP halls of residence	4840
Number of accommodations at rented facilities	0
Number of requests for housing as of 31. 12. 2016	4744
Number of housing requests accommodated as of 31. 12. 2016	4744
Total number of accommodation days in 2016	1 180 082*

\* without hotel service and housing of academics 1 135 450

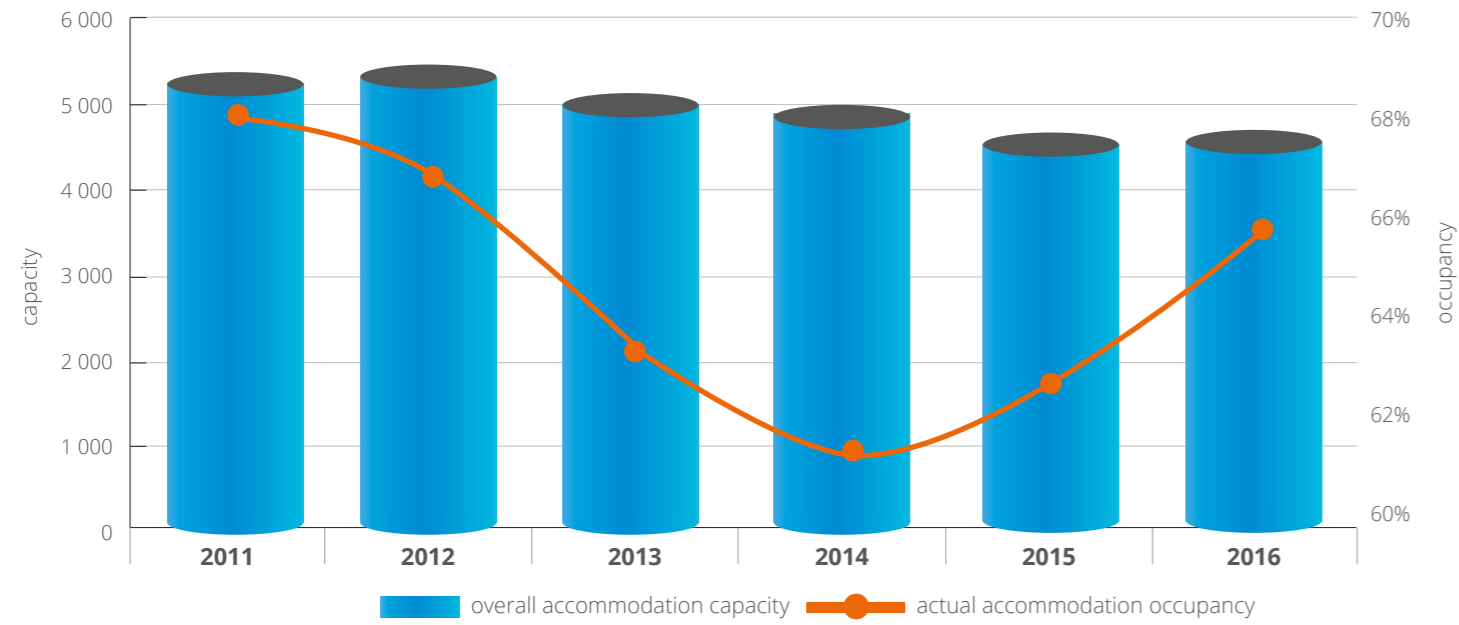
## University dining services

Number of main courses served to students in 2016	423 301
Number of main courses served to employees in 2016	103 235
Number of main courses served to others in 2016	65 178

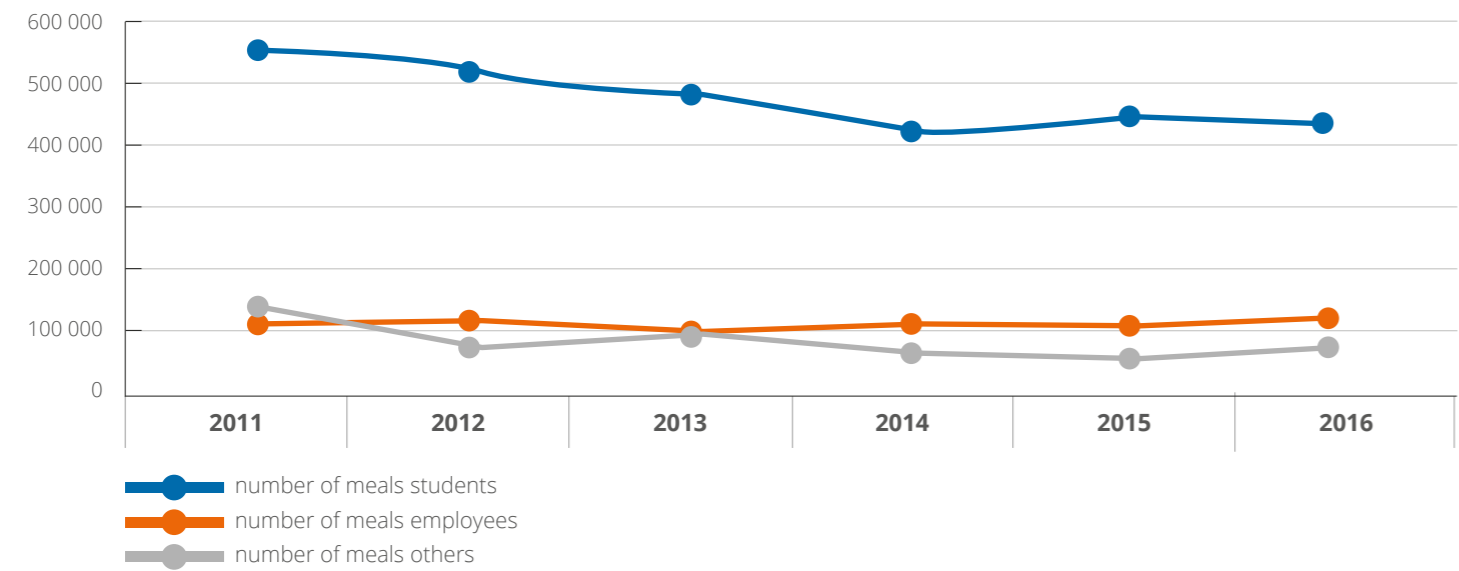


UP Dining also served visitors at the second annual gastronomic festival.

### Used accommodation capacity at UP halls of residence (2011–2016)



### Number of meals served students/employees/others



*The community garden also cultivates new contacts.*



## Construction and Restoration

### The University Influences the Look of the City

## Opening of a unique centre, restoration of buildings, and a one-of-a-kind find

### The BALUO Application Centre opened

After months of test operations, the Faculty of Physical Culture ceremonially opened the Neředín BALUO Application Centre complex on 11 November. On this occasion, those interested from all age categories engaged in a sport-diagnostic programme, during which they could see for free what the unique scientific centre, aimed at the support of a healthy lifestyle and prevention of civilizational diseases, has to offer them.

Olomouc is poised to become a national centre of research as the UP Faculty of Physical Culture opened a unique scientific-technical park in the Neředín complex aimed at supporting physical activity and a healthy lifestyle. The heart of the complex is a diagnostic studio for physical culture with state-of-the-art machines for determining clients' physical dispositions, and swimming pools equipped with recording equipment allowing one to analyse swimmers' movements, similar to a geolocation system, in one of its testing halls. It boasts a fitness centre with machines which automatically set themselves according to data on the client, and perhaps the only indoor ski slope in Moravia, with variable inclination and speed.

### The Institute of Dentistry and Oral Sciences presented its new exterior and handicapped-accessible improvements

The building of the Institute of Dentistry and Oral Sciences got a new facelift and modern handicapped-accessible entrance. After several months of construction work, on 26 October representatives of the UP Teaching Hospital, the UP Faculty of Medicine and Dentistry, and the City of Olomouc were on hand to ceremonially open it. The historically valuable building, underwent a complete restoration of its façade, including new windows and doors. Patients to the clinic with disabilities can now take advantage of its handicapped-accessible toilets, elevator, and reserved parking spaces.

### Archeologists discover sixty-two graves at the Faculty of Arts

Some sixty graves full of bones, two graves certainly from the Middle Ages, were found by archeologists at the UP Faculty of Arts, where a six-month protective study was completed during the restoration of the building at 10 Křížkovského Street. In one of the oldest graves, there was a set of buckles and rings for attaching to stockings preserved, and another interesting find were "Charon" coins.

### The Faculty of Health Sciences ceremonially launched operations in modernised spaces

Modern equipped offices, classrooms, and study rooms began to be used by students and teachers at the UP Faculty of Health Sciences. All of their workplaces found a base in the restored building of the Theoretical Institutes of the UP Faculty of Medicine. The grand opening took place on 8 April. It also marked eight years since the founding of UP's youngest faculty.

### The Faculty of Medicine and Dentistry opened the cutting-edge Aesculap Academy

State-of-the-art machinery simulating operating procedures is offered to students by the new Aesculap Academy centre of the Faculty of Medicine and Dentistry. Training in new operating procedures, which cannot be had while assisting in the operating room, is made possible by the use of state-of-the-art simulators and the special equipment in the training laboratory, including facilities for the preparation of educational and biological materials.



Univerzita Palackého v Olomouci  
Fakulta tělesné kultury

*The BALUO Application Centre won an Olomouc Region prize for best new construction, in the category of civic amenities and improvement of public spaces.*





# International Relations and Mobility

Palacký University aimed at developing its internationalisation, especially by supporting study programmes in foreign languages, increasing its involvement with foreign academics and researchers, and increasing the number of foreign exchanges (mobilities) for its students and academics. Great attention is paid to international presentation, building upon and supplementing inter-university contracts on cooperation, and developing international strategic partnerships. In terms of international mobilities, in 2016 there were 1,881 UP students who went abroad, the largest number in the past 8 years.

## Study programmes in foreign languages (totals)

Palacký University		Bachelor's study (BA)		Master's study (MA)		Continuing Master's study (MA)		Doctoral study (PhD)		TOTAL
		FT	C/D	FT	C/D	FT	C/D	FT	C/D	
Groups of accredited study programmes	CBDE	FT	C/D	FT	C/D	FT	C/D	FT	C/D	
<b>STS CYRIL AND METHODIUS FACULTY OF THEOLOGY</b>										
Social Sciences, disciplines and services	61,67,71-73	0	0	0	0	0	0	1	1	2
<b>FACULTY OF MEDICINE AND DENTISTRY</b>										
Health Sciences, Medicine and Pharmacology disciplines	51-53	0	0	2	0	0	0	3	0	5
<b>FACULTY OF ARTS</b>										
Social Sciences, disciplines and services	61,67,71-73	2	0	0	0	4	1	5	5	17
Education, Teacher Training and Social Care	74,75	0	0	0	0	0	0	1	1	2
Psychology disciplines	77	0	0	0	0	0	0	1	1	2
<b>FACULTY OF SCIENCE</b>										
Natural Sciences and disciplines	11-18	0	0	0	0	7	0	10	10	27
<b>FACULTY OF EDUCATION</b>										
Education, Teacher Training and Social Care	74,75	2	2	1	1	5	3	5	5	24
<b>FACULTY OF PHYSICAL CULTURE</b>										
Education, Teacher Training and Social Care	74,75	0	0	0	0	1	0	1	0	2
<b>FACULTY OF LAW</b>										
Law and Administration	68	0	0	0	0	1	0	1	1	3
<b>TOTAL</b>		<b>4</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>18</b>	<b>4</b>	<b>28</b>	<b>24</b>	<b>84</b>

## Contractual agreements with partner universities

In 2016, UP intensively supported internationalisation of its educational and research environment, mobilities abroad for students and academic and scientific staff, with a view to fulfilling prerequisites and tasks set out in UP Long-Term Goals 2016–2020. The university devoted increased care to the development of international strategic partnerships. New partnership agreements were concluded with foreign universities (140 agreements in the Erasmus+ programme and 10 Memoranda of Understanding), existing strategic partnerships were strengthened, and a common strategy of UP faculties for recruiting students into study programmes taught in foreign languages (Bachelor's, Master's and doctoral programmes) was implemented. A new electronic application form for studies was launched, rules of important decisions pertaining to studies in English were created, UP promotional materials in foreign languages were updated, supported, and accompanied by taking part in international conferences and education fairs abroad (e.g. the NAFSA U.S. Higher Education Partnership Fair in the USA, and the European Association of International Education fair, a fair in Moscow, etc.).

## International educational programmes and mobilities

In 2016 at UP, internationalisation of its study programmes was strengthened. It resulted in expanding and making more attractive studies in foreign languages at the Bachelor's, Master's and doctoral levels, and also in cooperation with foreign partners, which eventually led to strengthening the position of UP among students interested in studying abroad and to increased competitiveness of the university among Czech and other European universities. There was also an increase at UP in the total number of foreign students within various study programmes. The total number of foreign students in 2016 was 3201, from a total number of 92 countries, which represents an increase in student growth since 2014 of 22.93%, and since 2015 of 10.56%. The growth of student mobilities at UP was noted also in the programme Erasmus+ (KA 103 and KA 107) in the academic years 2015/2016 and 2016/2017, where growth in the area of incoming foreign students was more than 26%. For the mobility of stu-

dents and academic staff, the majority of faculties also made use of projects within the Czech Ministry of Education's Institutional Development Plans (IRP) and European Social Fund (ESF) projects. For the twenty-second year, UP has continued the Merrill Program, thanks to which 7 students travelled to the USA in 2016 for at least one semester.

## Participation in the programme Erasmus+

The programme most used for mobilities of students and staff at UP is Erasmus+. In 2016, 662 UP students took advantage of the programme, going especially to Spain, Germany, and France. On internships, UP sent 133 students and 25 new graduates, most often to Belgium, Great Britain, and Spain. Four hundred and eighty-eight foreign students were accepted, mostly from Spain, Poland, and Slovakia.

On teaching stays at partner institutions, UP sent 188 academic staff, most often to Slovakia, Poland, and Spain. Thirty-three of our academic, scientific, and administrative staff did training programmes, mostly at partner universities.

The year 2016 was the first year that mobilities took place within projects of the accredited mobility programme Erasmus+. During the year, UP sent 8 students and 14 staff members, and accepted 16 students and 17 staff. Exchanges took place with partner institutions in 12 countries, including Israel, Bosnia and Herzegovina, Serbia, Kazakhstan, Russia, and the USA.

## Confucius Academy

UP's Confucius Academy continued to expand its activities in 2016. It offered courses in Chinese to the general public, students, and university employees. It continued to teach Chinese at middle schools in the Olomouc, Moravian Silesian, and Zlín provinces, and at universities in Prague and Zlín. The Academy conducted YCT, HSK, and HSKK international tests in Chinese proficiency and continued an experimental programme of teaching Chinese to children in the 5th grade at Olomouc elementary schools. The Confucius Academy helped make contacts between universities and in the People's Republic of China, and organised a number of cultural workshops and thematically aimed lectures for the general public.

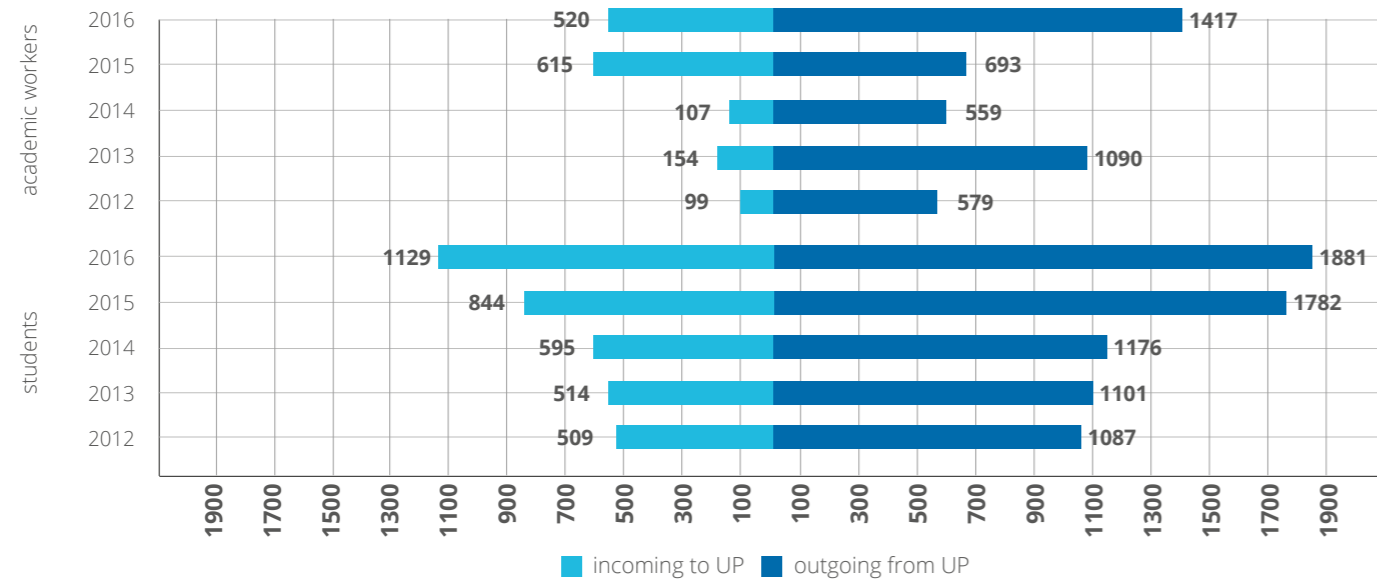
## Involvement of the university in international education programmes

	EU programmes										TOTAL (without Horizon 2020)
	Horizon 2020	Erasmus	Erasmus Mundus	Jean Monnet	Marie Curie	Tempus	Ceepus	Aktion	DAAD	Other programmes	
Number of projects	1	17	2	2			15		1	4	41
Number of outgoing students		820	6				24		2	8	860
Number of incoming students		481	11				8		8	3	511
Number of outgoing academics		188		4			13		2	11	218
Number of incoming academics		112	1				16		3	1	133
Number of other outgoing staff	2	33	1								34
Number of other incoming professionals		60	1								61
Grants in thousands of CZK	1168	98 036	4908	7242			249		40	1416	111 891

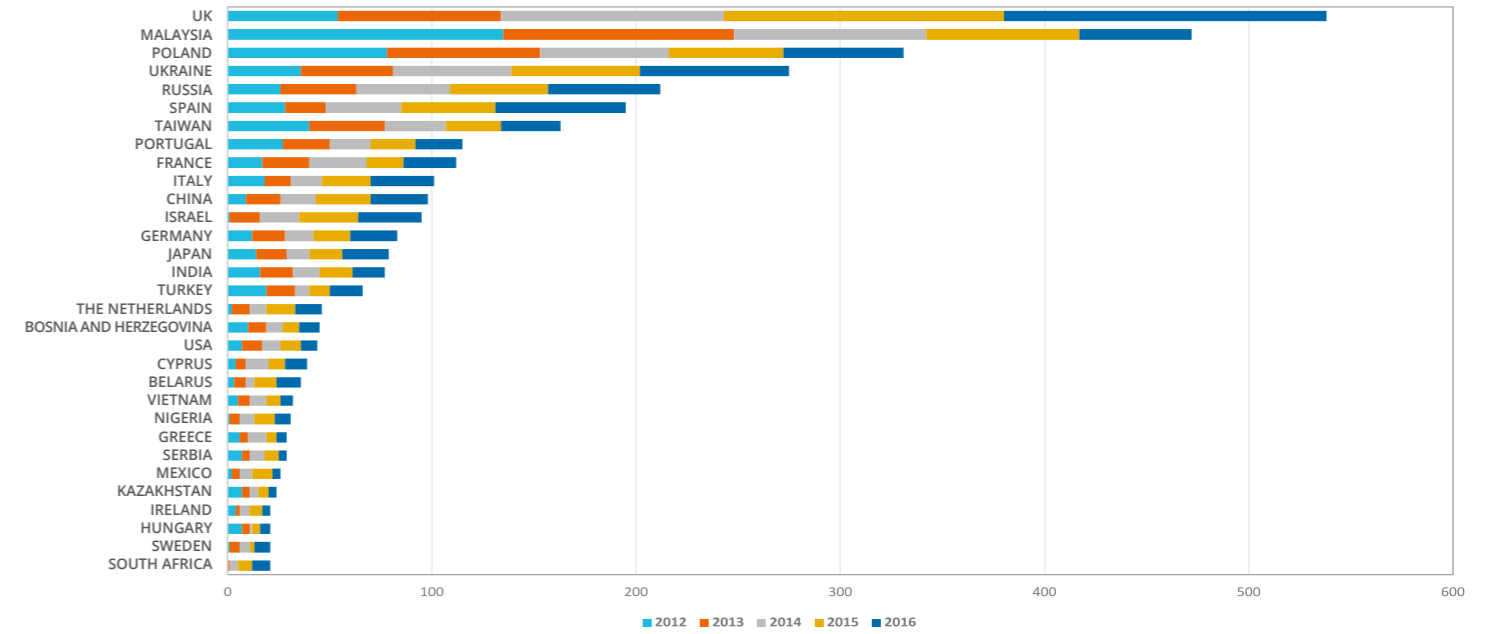
## Involvement of the university in international research and development programmes

Palacký University	Horizon 2020 / Seventh Framework Programme of the European Commission			TOTAL
	TOTAL	Marie-Curie Actions	Others	
Number of projects	8	2	34	42
Number of outgoing students	1	1	865	866
Number of incoming students			513	513
Number of outgoing academic and scientific workers	2	2	223	225
Number of incoming academic and scientific workers	3	1	143	146
Grants in thousands of CZK	78 479	4 113	113 208	191 687

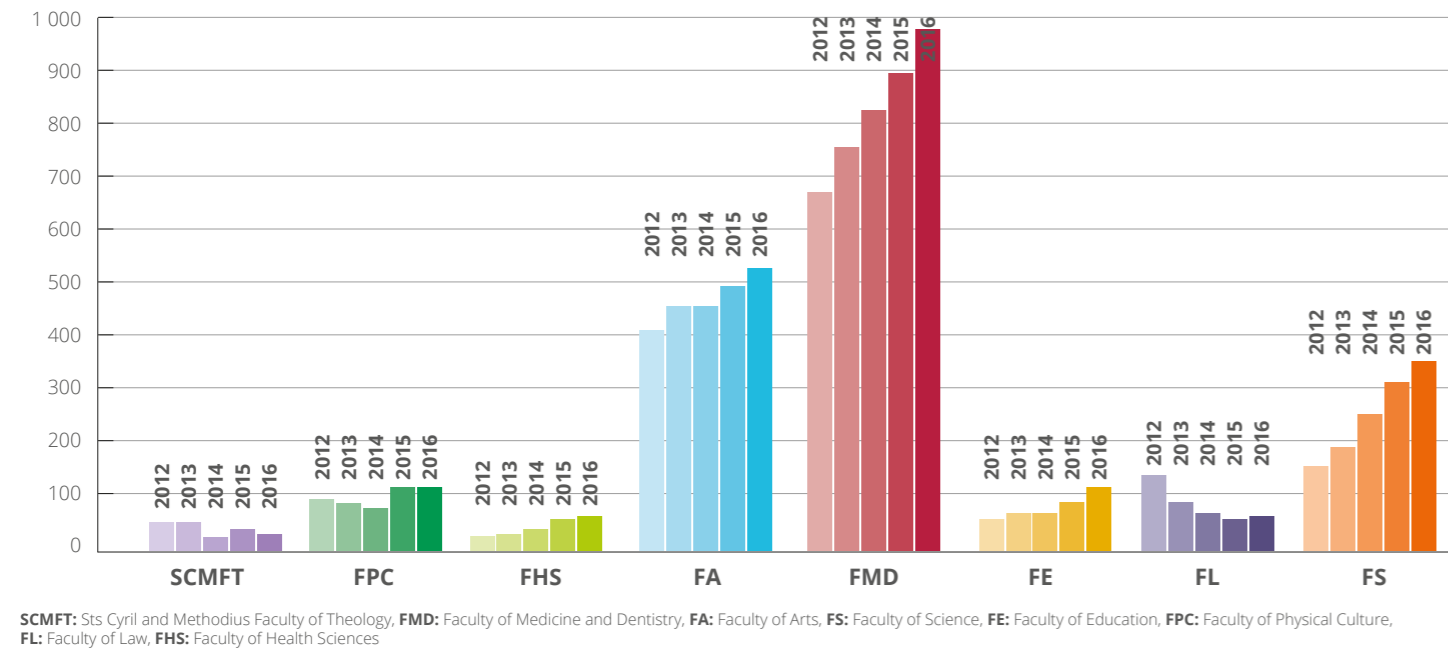
## International mobility of students and academic workers



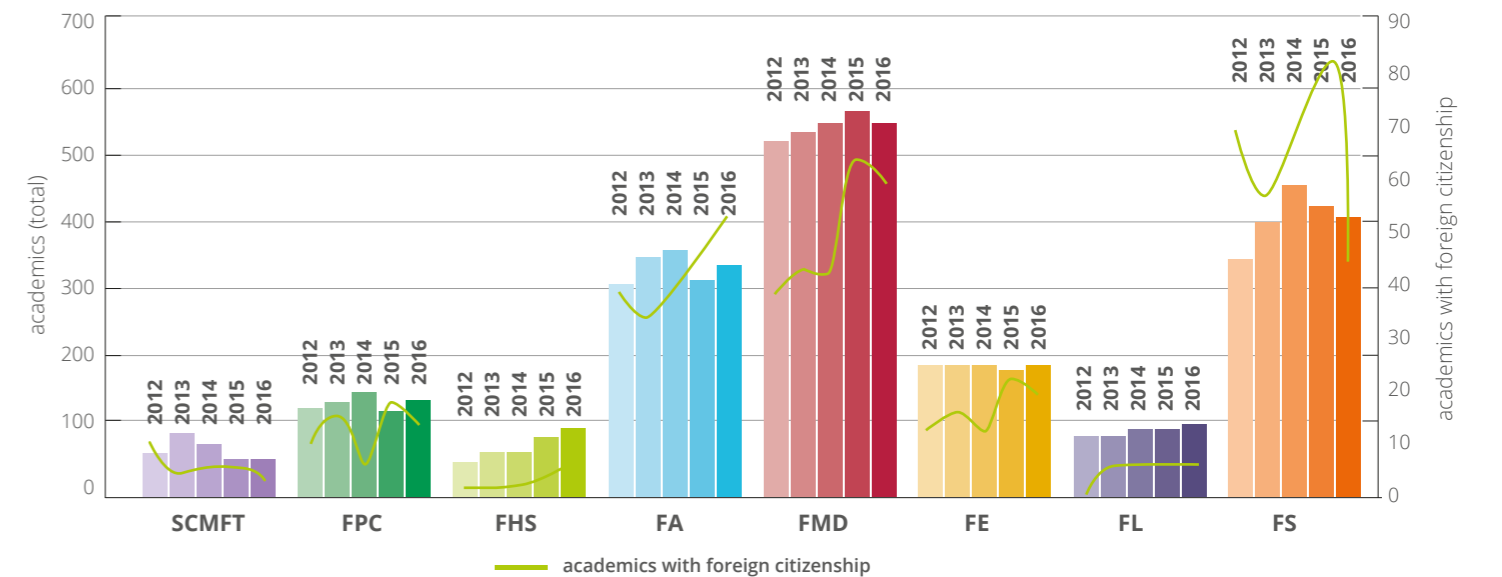
## Number of foreign students by country, with at least 20 students in total in the monitored period (excepting Slovakia, which averages about 1100 students per annum)



## Number of international students (2012-2016)



## Total numbers of domestic and foreign academics by faculty





# AFO 2016

## 51<sup>st</sup> Year of the Festival of Popular Science Films

# Palacký University wrote the 51<sup>st</sup> chapter in its story of science

At the fifty-first year of the Academia Film Olomouc (AFO) International Festival of Popular Science Films in 2016, UP welcomed 5,523 fans (not only) into the harmony of the world of science combined with the world of pop culture. The main prizes went to a documentary on the huge Antarctic odyssey *Ice & Sky*, to the influential molecular biologist Marc van Montagu, and to the pioneering European Space Agency.

### AFO 51 in numbers

More than **300** foreign and domestic guests, with **120** documentary films on problems affecting the world, **5,523** accredited visitors and in the end **7** prizes for popularising science. For his personal contributions to the popularisation of science, a prize was given to the visionary in the area of genetic modifications to plants, **Marc van Montagu**, by moderator Tomáš Hanák, the famous Czech actor.

### Prize for the European Space Agency

The Best International Science Documentary went to the entrancing and topical film on global warming, *Ice & Sky*, while in the Best Czech Science Documentary prevailed a formally eclectic historical spectacle on the legendary Dalimil Chronicle, the film **The Chronicle of Dalimil (The Chronicle of Kings)**. The Audience Award was given to the spectacular 3D adventure **Wild Africa 3D**.

The prize for Outstanding Contribution to World Popularization of Science – Institution was given by AFO to representatives of the **European Space Agency (ESA)**, which carried out the revolutionary mission of the space probe Rosetta to Comet 67P/Churyumov-Gerasimenko; specifically to the scientists James Carpenter and Mark McCaughrean.

*"We were able to present you with the best documentaries today and above all to improve the audiences' comfort somewhat. AFO is a huge film festival and no matter whether a more or less famous scientist arrives, what is primary for us is that*

*they all feel the most comfortable here, that they soak in the genius loci of lovely Olomouc and the entire hot core of this important university event. AFO is a festival which is not about size but quality."*

**Matěj Dostálek**, the AFO Director and Head of the Popularisation of Science and Research at the UP Faculty of Science

### Starring: Architecture and the Spokesperson for Planet Earth

The programme of the festival included contact with **extraterrestrials, epilepsy, genetically modified organisms, science in pop culture**, and also the burning issues of **rape and disabilities**. Among other events, there was also a lecture by **Douglas Vakoch**, president of METI (Messaging Extraterrestrial Intelligence) International, and in a way spokesperson for Planet Earth in the case of contact with an extraterrestrial civilisation. Also coming to Olomouc within the auspices of AFO came the creator of the concept of vertical farming, **Dickson Despommier**, and the physics professor and expert consultant to the film adaptation of *Watchmen*, the popular culture scientist **James Kakalios**.

Under the rubric of **Space & Place**, architect and director **Jorden Hollander** visited AFO with an action speech on the harmony of architecture and film, and also the audiovisual artist **Vladimir 518**. The latter filled Kino Metropol with his intense laser composition SPAM: Karel Gott Prager, dedicated to one of the most controversial Czech builders of the 20th century.

## LIST OF AFO 2016 WINNERS

**Ice & Sky** (Winner of the Best International Popular Science Documentary Film)

**The Origami Code** (Special Mention by the Jury of the Best International Documentary)

**Chronicle of Kings** (RWE Prize for the Best Czech Popular Science Documentary Film)

**Movements** (Special Mention by the Jury of the Best Czech Documentary)

**In Search of Silence** (Student Jury Prize)

**Wild Africa 3D** (Audience Award)

**When AIDS Was Funny** (Best Short Documentary)



The fifty-first annual Academia Film Olomouc festival attracted more than 5500 viewers to Olomouc.



## Education, Culture, Sport and Entertainment for Students and (not only) Olomouc Residents

# Student May Celebrations, Night of the Scientists, and Park It! events entertain thousands of people

### Donate Blood event had record attendance

During the last week in February, UP students and staff could take part in another year of Donate Blood with the Rector. At the Transfusion Department of the UP Teaching Hospital, 142 people gave blood, which is the highest number of donors in the past five years. And this is despite the fact that forty percent of the volunteers had to excuse themselves due to illness during the flu season. Out of the 142 donors, 73 were first-time donors. According to the Transfusion Department, the university event was probably their most successful blood drive ever.

### Marek Eben made King of May

Marek Eben was made king of the UP May Celebrations. The musician, actor and moderator accepted his rule over the student festival at the beginning of May on Olomouc's Upper Square. He was made King of May also because the subtitle of the week-long student event was the motto "School: A Foundation for Life". And one of the first roles which the successful actor had was the character of Váleček in the Czech school serial Kamarádi (Friends). UP organised the May Celebrations for the sixth time. It offered 140 items in the programme at more than a dozen venues. Over 70 students took part in the organisation, including complete production of the event. Traditionally it has also had a beneficial dimension, and students collected more than €1000, which they used to support the Olomouc Children's Home, respectively the summer activities of its wards.

### Olomouc is ruled by booksellers and software developers

Five hundred key figures representing cultural and creative industries in the Olomouc region met during April and May for seminars prepared by Palacký University. They were part of a mapping of creative industries, begun in autumn of 2015 by a special team. According to their analyses, in greater Olomouc "creative industries" make up nearly 1500 firms, public institutions, non-profit organisations, and tradespeople. The goal of the mapping, was to gather data on industries which are connected to culture, creativity, and economics. The City of Olomouc plans to use the analysis to support business and develop tourism, while grammar schools and universities plan to use it to innovate fields of study.

### Olomouc was shiny clean – students and their families cleaned up

Three hours of work, 60 volunteers, and more than 120 bags of rubbish. These are the numbers which best characterise the big spring cleaning in Olomouc organised by the student association Sustainable Palacký and the Department of Development Studies. On Saturday, 16 April, within the auspices of the national project "Cleaning the World, Cleaning Czechia" hundreds of such cleanings took place throughout the country, involving tens of thousands of volunteers. In Olomouc, for example, former students of the Hejčín high school helped out. But the greatest number of volunteers were organised by Sustainable Palacký.



Marek Eben was made King of May 2016.

## Sports Day gets the university moving

In a sporting hall, with a ball, on a bike, on a climbing wall or in a swimming pool, UP students and staff were everywhere to be seen in May during UP Sports Day. The event is an annual part of the academic year. It's prepared by the Academic Sport Centre, which offers dozens of sport disciplines and facilities to hundreds of those interested. Rector Jaroslav Miller took part in it too, taking a group of brave cyclists on a trip to the Jeseník Mts. For the first time, visitors could try out the new indoor archery range. The university offered all sports to its students and employees free of charge. The rector declared a school holiday for the occasion.

## The academic community discussed the possibilities of volunteering

Attracting students and academics to the idea of university volunteering was the main goal of the seminar, organised by the Department of Christian Social Work at the Sts Cyril and Methodius Theological Faculty. The discussion was especially aimed at the possibility of starting a volunteer centre at UP and a programme Volunteer Days at UP.

## The university christened its own special beer

In cooperation with the Chomout brewery, UP prepared a limited edition, special beer: UP Ale Original. It originated in conjunction with the Alumni Reunion, but it was also accompanied by an assortment of souvenirs at the UPoint university shop. The non-filtered, unpasteurised, top-fermented ale is sold in 0.33l bottles alone, or in gift packs.

## Olomouc Baroque Celebrations offered a colourful programme

The opera Ghirlanda di fiori by Antonio Caldara opened Olomouc Baroque Celebrations 2016. Its fourth year brought twenty-four evenings, with six different programmes, onto the stage of the UP Arts Centre. This year it also offered more extensive compositions. Another innovation was more comfortable, tiered seating.

## Adventure science camps visited by two hundred children

Biology, physics, and mathematics, as well as geography, history, and art studies. Deeper into these studies went two hundred children, who took part in the science holiday camp in Fort Science. "It was great, but too short," shouted young enthusiastic scientists and campers aged seven to twelve when leaving the Faculty of Sciences' museum of science. Under the leadership of local accomplished animators, all summer long they created their own science comics, did research on our solar system, solved mathematical puzzles or returned to the days of Roman warriors. Fort Science during the adventurous and information-packed course confirmed the reputation of the institution whose concept of science and informal education is able to captivate young and old alike.

## Faculties attacked by knowledge-hungry youths

Scientists, academics, and other visitors could experience adventure for themselves in mid-June at the 15th annual UP Science and Research Fair. At selected faculties and at Fort Science there were more than 50 stands prepared with various experiments, games, and presentations. More than six thousand visitors attended the fair.

## A community garden grows at the student dorms

The possibility of growing your own herbs and vegetables, to fulfil the idea of sustainable development, and to meet with friends and work on common projects – all this is offered by the Václavka community garden, which was created thanks to the initiative of the student association Sustainable Palacký at the dorm Bedřicha Václavka. At the beginning of June it was ceremonially christened by Rector Jaroslav Miller, and Josef Suchánek, the director of UP Accommodation and Dining. Václavka grows on a former lawn at the dormitory building. Students established plots and planted strawberries, basil, coriander, spinach, and courgettes. During the year, members of the association will look after the garden and it will serve all students free of charge. Those interested have

the opportunity to grow herbs and vegetables but also to compost food waste coming from the dormitories. The garden should become a pleasant place for resting and for meeting people.

## MusicOlomouc triggered an avalanche of contemporary music

A city full of contemporary music production – such was Olomouc during the international festival MusicOlomouc 2016, the eighth year of which took place at the beginning of October, offering seven world premieres and lectures by composers. At eight concerts in the UP Arts Centre and the Reduta concert hall of the Moravian Philharmonic, more than forty contemporary compositions by Czech and foreign composers rang the halls, seven for the first time anywhere. New works were commissioned for the festival for the first time.

## Mentally-challenged athletes competed

Sportspersons with intellectual disabilities met in Olomouc at the end of June to compete at the Sports Games of the Czech Special Olympics Movement. The event, organised by students of the UP Faculty of Physical Culture, featured competitions in bocce, gymnastics, adapted sports, and children's disciplines. The mission of the Czech Special Olympics Movement is to make possible sports for the greatest number of people with mental or combined disabilities, to bring sport closer to the mentally-challenged public, and to highlight quality performances combined with the joy of movement in the spirit of fair play. For many of the athletes, it was their last chance to compete before the Summer Games, which took place in July in Los Angeles.

## UP helps with an effective system for screening patients

Experts from UP and the Emergency Medical Services of the Olomouc Region were successful in the tender Safety Research by the Czech Ministry of the Interior, and began the project Effective Screening System of Patients while Providing Acute Healthcare in Emergencies. The fifteen-member workgroup is made up of

doctors, paramedics, and managers in the field of crisis management. Its goal is to create a uniform methodology for an effective system of screening wounded people, and guaranteeing it on the basis of an international certificate. During the project the workgroup will cooperate with experts from Great Britain, Germany, Austria, and Israel. Sharing experiences from abroad will result in effective cooperation regarding providing ambulance and hospital urgent care.

## Want to learn Czech? Come to Olomouc!

Hundreds of foreign students interested in learning Czech were welcomed by the Summer School of Slavonic Studies, held for the thirtieth time at the Faculty of Arts. Beginners and advanced students from 27 countries around the world came to learn Czech for four weeks in Olomouc. In addition to language courses, interviews, and seminars, a colourful accompanying programme was also prepared for them. Students had five lessons a day, including conversation and language drills. These were supplemented by lectures on Czech language, literature, history, and culture, conducted in Czech, English, or bilingually. The programme attracted students from European countries, Japan, China, South Korea, USA, and Tunisia to Olomouc. The eldest student was a seventy-two-year-old American, and the youngest was a nineteen-year-old student from Azerbaijan.

## Park It! filled Olomouc parks

The project "Park It! – Embrace Public Space", with Palacký University behind it, began its third season. Olomouc citizens could again attend film showings, swing and Latin dance events, and fun sporting afternoons in the summertime in Olomouc parks. New to the project were outdoor trivia quizzes, poetry readings in public places, and picnics with foreign students. Students, under the leadership of the university communications department, organised more than four dozen events over three months, attended by more than ten thousand people. In 2017, Park It! wants to devote more programming to seniors and also create a lending system for picnic baskets.



## SportPark welcomed its first visitors

To do sports, to meet interesting personalities, explore a modern sporting complex, and come together to cheer Czech athletes on – all these are offered by the Summer SportPark Olomouc, which in August was opened to the public at the UP Faculty of Physical Culture's BALUO Application Centre. For two weeks, visitors could try out free of charge what a modern centre aimed at the prevention of civilisational diseases and the development of physical competency can offer them. The opening ceremony, with comic Lukáš Pavlásek and the group Děda Mládek Illegal Band, was enjoyed by dozens of people. In the park it was possible to both cheer the Czech team on at the Olympics in Rio and do sports.

## Researchers' Night attracted five thousand science fans

Nearly five thousand visitors were witnesses to the fact of the growing popularity of Researchers' Night in Olomouc, which took place on the last October weekend at Palacký University and the University Teaching Hospital. They could familiarise themselves with popular science at six faculties and other places at UP until midnight. During Researchers' Night, the main building of the Faculty of Science was again bursting at the seams. Children could try out a laser shooting range or chemical experiments. They were captivated by carnivorous plants, brain teasers, games with light, and nanoparticles. The faculties of Education, Physical Culture, and Fort Science were all packed.

## UPoint remembered Václav Havel

At the end of October, UPoint remembered the first Czech president after the Velvet Revolution. At the UP Information Centre on Olomouc's Upper Square, there were clips projected of his visit to the university. Václav Havel came to Olomouc in May 1990 to accept his first ever honorary doctorate. As the pictures showed, the ceremony became a huge event in the history of the city. While university dignitaries received the president at the Rector's Office, the ceremony itself took place in the great hall of the former Sigma Hotel, which could hold many more people than the university hall. After the ceremony, the president briefly greeted Olomouc citizens, who filled the entire Upper Square. UPoint remembered Havel for the entire month, including an exhibition of photographs taken during the awarding of his honorary doctorate.



*The interactive science museum Fort Science features a number of events throughout the year for both large and small.*



## 2016 As the UP Rector and Deans Saw It

# How was the year 2016 for Palacký University?



### **Jaroslav Miller, UP Rector:**

*For me, the clear highlight of 2016 was the Alumni Reunion on the occasion of celebrating the 70th anniversary of the reinstatement of the university. To describe it, I would have to use the adjectives spontaneous, huge, joyous, and unbridled. Looking out at the thousands of alumni of all ages coming literally from the four corners of the world, I had the feeling that what connects us all forever is our affiliation with Palacký University. The UP community is alive and thriving, and that is a source of joy to me. In addition, I would highlight the agreement with the Czech Ministry of Foreign Affairs, which makes it possible for our students to have internships at foreign embassies, enabling them to have priceless experience for their further professional development. Finally, I must mention something that may seem trivial to some; however it is quite a crucial fact that in 2016 Palacký University Olomouc could develop in the free and stable space of the European Union.*



### **Ivo Frébort, Dean of the Faculty of Science:**

*The year 2016 was for us especially one of preparations for major and significant projects. The major success was in being granted the first European Research Council grant in the history of UP. In addition, project applications were prepared for the Operational Programme of Research, Development and Education, in the call for "Teams of Excellence", when the grant was given to the Regional Centre of Advanced Technologies and Materials, and again in the same call, when projects from the latter and the Centre of the Haná Region for Biotechnological and Agricultural Research got into the second round. The faculty was quite active even in the fourth call of the same programme, when it took part in five project applications, all of them successful. The projects will support the reconstruction of infrastructure for teaching in the Holice complex, innovations in specialised laboratories, and the provision of new practical training equipment in the building in the Envelopa complex. Other projects support the improvement of the quality and the introduction of new teaching methods, and development of doctoral study programmes. The faculty also took part in projects supporting the training of secondary school teachers. I can also state that in 2016 the faculty took great strides in its preparatory work for its long-term development in the area of education and science.*



### **Milan Kolář, Dean of the Faculty of Medicine and Dentistry:**

*The year 2016 for the UP Faculty of Medicine and Dentistry and for that matter, all of UP Olomouc – was a significant year, due to the 70th anniversary of the reinstatement of the university in February 1946. At the same time, teaching at the UP FMD began, so 2016 represents 70 years of teaching medicine. Seventy years in the context of human history is but a mere moment, but in the academic life of the faculty it is a long time, during which many things have happened, and our alma mater has changed significantly. UP FMD is a thriving faculty, providing quality medical studies in both Master's and Doctoral study programmes, as well as producing very significant scientific results. A major watershed in the history of the faculty was moving the Dean's Office from its former building to renovated spaces in the Theoretical Institutes. In doing so, we completed the spatial integration of academic life, including the administrative part, with the therapeutic-preventative care in the University Teaching Hospital, and rational and effective activity in all areas of teaching and scientific research activities was ensured. I would like to wholeheartedly thank the UP FMD academic community for its conscientious and responsible work, which is positively reflected in the faculty's results across the entire spectrum of its activities.*



### **Jiří Lach, Dean of the Faculty of Arts:**

*This was a successful year for the university and our faculty in a number of respects. And in spite of the fact that education in general – and university education within it – is underappreciated both by politicians and a significant portion of society. It was a year of inadequate attention from the state, which for a long time has been concealed by promises and supplemented with experiments. For universities like ours, it is painful that uncertain prognoses are the norm, even in the area of financing the sciences. From this point of view, it is thus remarkable in many respects that UP is prosperous – and the UP Faculty of Arts is in no way behind. Although it may be controversial at our faculty, the changes between the years 2010 and 2016 are striking. We are more active academically, and despite the demographic trends we are maintaining a constant number of students, we are active as a social force, and we are continuing in the beautification of the faculty's building complex. This was also a year of renovations and provisional quarters, but soon the substantial part of the faculty will have a new look, including the main building on Křížkovského Street and the headquarters of historical disciplines at the ancient city quarter Na Hradě. And though we were active in 2016, I declare that we will have to enter into the public forum much more in order to explain the importance of the humanities: the philological, philological, and social science disciplines, which have long been overlooked.*



### **Zdenka Papoušková, Dean of the Faculty of Law:**

*From 23 January 2016, my life was changed – not just in terms of work, but also personally. The year 2016 was for me and the new leadership quite hectic, demanding and exhausting, but for the faculty it was fertile and successful. There was much going on in terms of work in 2016. The faculty celebrated 25 years since its reinstatement, and there were a number of events which took place on this occasion: we published a faculty almanac which beautifully documents its development, and we also organised a retrospective photographic exhibition which remained an extraordinary experience for all who saw it. Those celebrations also supported the UP Alumni Reunion, in which our faculty was also involved. As my predecessor says, you can see how the faculty has grown from its baby shoes into adulthood. Even though demographically “weaker” years are graduating now, it is clear that the interest of students in our faculty is permanent and stable. I was very pleased by the steps leading to strengthening internationalisation, which was one of the main points of my election platform. The year 2016 was rich in terms of the number of concluded partnership agreements, especially via the Erasmus+ programme. We started teaching in a new Master's programme conducted in English – International and European Law. We launched the website [studylaw.upol.cz](http://studylaw.upol.cz), which is intended primarily for those interested in studying abroad. Science is phenomenally attractive today, not only in academia. Thanks to a number of colleagues, the level of academics is growing and bringing prestige not only to the faculty but to the university as a whole. And I must not forget the 10th annual international academic conference Olomouc Days of Law, which brought 300 experts to Olomouc. In 2016 we also began changes leading to improving the doctoral studies programmes, including strengthening and evaluating the quality of the academic work of our doctoral students. As I advised in the election campaign, the most important element in our relationships is communication. I would like to thank all who in 2016 entered the path to individual communication within the faculty, for it was not always a simple matter. We were able to strengthen our communication resources with the new electronic zPRÁVOdaj news published on our website, to which everyone has the opportunity to contribute. We have established better communication with students, not only through the medium of members of the UP FL Academic Senate, but also thanks to active cooperation in the student associations ELSA and Nugis Finem. It is especially thanks to them that we have had the opportunity to meet with significant personalities and experts, for example the lecture given by the (unfortunately) former U.S. Ambassador, Andrew H. Shapiro, which aroused the greatest interest from both students and the general public. Although much has been done, it is necessary to do much more. As for my private life – and you must believe it – there is only one thing, and that is: wishing you all the best of health! I would like to thank you all for your cooperation, and I'm looking forward to months and years of continued cooperation.*



### **Čestmír Serafín, Dean of the Faculty of Education:**

*For me, what is important is that there continues to be great interest on the part of the students in our faculty and in the profession of teaching. The faculty thus can continue to select quality students, from whom there is the presumption not only of them concluding successfully their studies in Bachelor's and Master's programmes, but also continuing in doctoral studies – which we have extended by two new programmes: Literary Didactics and Information Science Didactics. Academic work and creative activities are essential components of the work of academics, and 2016 in this respect was a year in which contracted research was developed to a significant extent. Many project activities began to also be connected to the new programme period of the European Structural Funds, where our faculty has positively demonstrated long-term cooperation with institutions in both the region and also throughout the Czech Republic. Inclusive education, teaching as a regulated profession, digital literacy, a system of career promotions – these are just some of the areas in which the faculty has tried to fulfil its potential. However, what obliges us in this is the heritage of previous generations which we teachers bear in our work and pass on to the generations of our successors. In addition, our faculty also marked the 70th year of its existence in the year 2016.*



### **Zbyněk Svozil, Dean of the Faculty of Physical Culture:**

*This year was so wide-ranging that it cannot be expressed in one word. We can define that which connects us numerically. After 10 years we had the opportunity to organise one of the most important international conferences in field, the European Congress of Adapted Physical Activities (EUCAPA). The quarter-century of the faculty's existence was celebrated during September's UP Alumni Reunion. I'd like to wish the faculty would continue to be a place of meetings, education and knowledge, and their friendly exchange. The overall 101st–150th placing in the global ranking of all sport universities in the Shanghai Ranking, which assesses above all the academic research results of institutes, attests to the excellence of our results. I believe that this prestigious success will continue to motivate us. On 11 November was the grand opening of the BALUO Application Centre. Equally important was the signing of the contract with the building contractor for the long-awaited reconstruction of the building for the Centre for Kinanthropological Research. The year 2016 in this respect was quite demanding for the faculty, primarily in terms of financial stability. I believe that all the investments in the future will be profitable, and will be a foundation for a modern established faculty, successful not only in the fields of studies and research, but also in the essential sphere of applying knowledge into practice.*



### **Peter Tavel, Dean of the Sts Cyril and Methodius Faculty of Theology:**

*The year 2016 was a good one for the Sts Cyril and Methodius UP Faculty of Theology. As have been previous years, for some time. The faculty has had good results, both in the area of education and also academics. In the areas where other schools are stagnating, our faculty is stable and has not undergone any significant fluctuations. In some important areas, it has again shown growth. The phenomenon of these years are the European funds, from which we have been awarded two significant grants. These will give us a new dynamic, and open fields which are in harmony with charity, which we have long been seeking. We also prepared a project for renovating a former high school dormitory building for our purposes and are preparing celebrations for the 300th anniversary of our own building.*



**Jaroslav Vomáčka, Dean of the Faculty of Health Sciences:**

*The UP Faculty of Health Science is a stabilised faculty, which in 2016 noted growth not only in the number of students, but also in scientific research. UP FHS is an institution providing quality education in a number of Bachelor's and Master's programmes, as well as a doctoral programme. Despite increased costs related to the material and technical unification and modernisation of the faculty, it shows economic stability. I consider it very important that the faculty was successful in a number of important projects, including the Operational Programme of Research, Development and Education, the European Structural Funds, and also public competitions by the Agency for Health Research, under the auspices of the Czech Ministry of Health. Also extraordinary is the fact that there is increased interest on the part of students of UP FHS, despite the constantly declining demographic curve. The faculty noted the biggest increase in interest in studying of all the faculties of UP Olomouc, and one can state that the faculty is selective. Even despite unforeseen complications, it was able to realise the material and technical unification of the faculty in the building of the Theoretical Institutes on Hněvotínská Street, where all its teaching is concentrated. However, the freed-up spaces in the Theoretical Institutes, as demonstrated in practice, do not make possible the further development of UP FHS, and because of this, the process of further modernisation and expansion of the material and technical foundation of the faculty was begun, including a future independent building, which will be the headquarters of the faculty. A study was carried out from the expenses of the faculty and the first important steps were begun to realise this objective. The faculty strengthened its publication activity, and increased the number and quality of articles published in journals with impact factors. The quality of the scientific research activities is shown by the academic team, through their project activities and by increasing the credibility of the faculty by published articles in magazines with high impact factor, publishing authors across disciplines. In closing, I would like to express the opinion that UP FHS can be ranked amongst the top faculties in its category, recognised today by educational, scientific, and research institutions in the Czech Republic.*



*The largest gathering of UP alumni in history took place in September 2016 within a charming atmosphere. Alumni were given guided tours of university premises.*



# Finances 2016

## How did the university fare economically in the year 2016?

Palacký University's budget is managed as a whole. For internal reasons of accounting, monitoring, and evaluating expenses and income, it is divided into 19 parts, from 8 faculties. Income from the year 2015 in the amount of 19,278 thousand CZK was approved by the Academic Senate of UP (UP AS), and distributed into the Operating Fund (3,223 thousand CZK), the Fixed Assets Development Fund (11,986 thousand CZK), and the Awards and Subsidies Fund (4,069 thousand CZK).

**Profit from the year 2016 in the amount of 21,082 thousand CZK was reallocated after a meeting of the UP AS and after approval of the annual report on accounting for the year 2016 by the Czech Ministry of Education, Youth, and Sports.**

### Profit or Loss for the year 2016, in thousands CZK

Public university sectors	Income from main activities	Income from supplemental activities	Total income
Faculty of Health Sciences	379	0	379
Faculty of Medicine and Dentistry	-324	885	561
Faculty of Arts	2383	999	3382
Faculty of Science	11 467	922	12 389
Faculty of Education	-5206	0	-5206
Faculty of Physical Culture	-12	-8117	-8129
Sts Cyril and Methodius Faculty of Theology	-1	4	3
Faculty of Law	-4198	0	-4198
Accommodation and Dining	12 342	5991	18 333
Rector's Office	9300	-915	8385
Library	0	0	0
UP Press	0	0	0
Information Technology Centre	0	33	33
Armoury	0	0	0
Science and Technology Park	-5344	-190	-5534
Academic Sport Centre	0	3	3
Project Services	0	0	0
Support Centre for Students with Special Needs	0	0	0
Confucius Academy	681	0	681
<b>Totals</b>	<b>21 467</b>	<b>-385</b>	<b>21 082</b>

# Basic information about the university

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## Faculties of Palacký University Olomouc

- **STS CYRIL AND METHODIUS FACULTY OF THEOLOGY** (SCMFT), Univerzitní 244/22, CZ-771 11 Olomouc
- **FACULTY OF MEDICINE AND DENTISTRY** (FMD), Hněvotínská 3, CZ-775 15 Olomouc
- **FACULTY OF ARTS** (FA), Křížkovského 511/10, CZ-771 47 Olomouc
- **FACULTY OF SCIENCE** (FS), 17. listopadu 1192/12, CZ-771 46 Olomouc
- **FACULTY OF EDUCATION** (FE), Žižkovo nám. 5, CZ-771 40 Olomouc
- **FACULTY OF PHYSICAL CULTURE** (FPC), tř. Míru 115, CZ-771 11 Olomouc
- **FACULTY OF LAW** (FL), 17. listopadu 8, CZ-771 11 Olomouc
- **FACULTY OF HEALTH SCIENCES** (FHS), Hněvotínská 3, CZ-775 15 Olomouc

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