



UNIVERSITAS JAGELLONICA
CRACOVIENSIS

NJU sletter

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655th academic year

UNA Europa Alliance

JU ties with Chinese universities

International co-operation in 2018/19

65
autumn
2018

JAGIELLONIAN UNIVERSITY

- ✓ Faculty of Law and Administration
- ✓ Faculty of Philosophy
- ✓ Faculty of History
- ✓ Faculty of Philology
- ✓ Faculty of Polish Studies
- ✓ Faculty of Physics, Astronomy and Applied Computer Science
- ✓ Faculty of Mathematics and Computer Science
- ✓ Faculty of Chemistry
- ✓ Faculty of Biology
- ✓ Faculty of Geography and Geology
- ✓ Faculty of Biochemistry, Biophysics and Biotechnology
- ✓ Faculty of Management and Social Communication
- ✓ Faculty of International and Political Studies
- ✓ Faculty of Medicine with the Division of Dentistry
- ✓ Faculty of Pharmacy with the Division of Medical Analytics
- ✓ Faculty of Health Sciences



Founded in 1364

3

campuses

16 faculties



Each  = 2,000 students  = International students

37,155 students,
including 3,814 international,
over 90 nationalities

2,800 PhD students

87

study
programmes

173

specialities

8,179

employees, including
4,421 academics

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Relations Office

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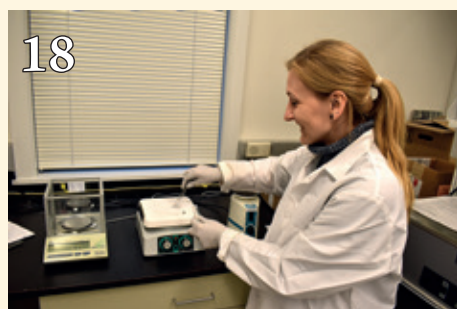
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FRONT COVER:
Academic Memorial Day
Photo: A. Wojnar

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A. Wojnar

ACADEMIC MEMORIAL DAY – 6th DECEMBER

Maria Kantor

International Relations Office

This year's celebration of the Academic Memorial Day fell on the centenary of the state of Poland regaining its independence after 123 years of geo-political oblivion.

During the annual ceremony celebrated on 6 November 2018, commemorating the 79th anniversary of *Sonderaktion Krakau* – the notorious arrest of 183 Cracovian scholars in 1939 by the Germans and their transport to Nazi German concentration camps, tribute was paid by the academic community of the Jagiellonian University to the victims of that brutal attack on the Polish intelligentsia at the beginning of World War II.

The Academic Memorial Day follows a traditional agenda. On the morning of 6th November, the JU delegations visit the graves of rectors, professors and other university workers in the cemeteries in Kraków. They lay wreaths and light candles on the graves, as well as unveil renovated tombs of the JU outstanding scientists. Thus stopping at the graves of their great predecessors, the academic community think of those who passed away.

This year, the JU delegation headed by the Rector Prof. Wojciech Nowak visited the grave of the former JU Rector Prof. Franciszek Walter (1885-1950), who had been arrested in 1939 and taken to the Sachsenhausen concentration camp. Flowers and candles were also laid on the renovated tomb of Prof. Adam Miodoński (1861-1913), an outstanding specialist in the Latin language and literature who had worked at JU for 20 years, conducting all his lectures and seminars in Latin.

At 11 a.m., in the main hall of Collegium Novum, a solemn meeting was held. It gathered university rectors and professors, representatives of the local authorities and church hierarchy, the

Jewish community, ambassadors, the Polish Army, as well as the families of the arrested professors and students.



A. Wojnar

The renovated tomb of A. Miodoński



A. Wojnar

W. Nowak giving his speech

After the welcoming speech given by Rector Nowak who emphasised the testimonial of the academic community in maintaining the tradition of remembering former generations. In turn, Prof. Jan W. Tkaczyński, the Chairman of the Committee for the Care of the Graves of the Jagiellonian University's Professors, delivered a talk entitled 'Reflections of Zbigniew Herbert's poem *Mr Cogito's eschatological premonitions*.' The poem, speaking of death and eternity, begins with the following words:

*Tyle cudów
w życiu Pana Cogito
kaprysów fortuny
olśnień i upadków
więc chyba wieczność
będzie miał gorzką
bez podróży
przyjaciół
książek
za to
pod dostatkiem czasu*

*So many miracles
in Mr Cogito's life
caprices of fortune
flights and falls
eternity will likely
be bitter for him
without travel
friends
books
on the other hand
time in abundance¹*

'If we remember that no genius constantly touches the clouds, that sometimes he flies beneath, we will understand why the university cannot be a place where timeless universalism can be replayed by a factory unification without losing its character as a republic of scholars. [...] Only as a community of people whose spirits are free, can we endure the most difficult times and give witness of courage if needed. This is what the lives of our predecessors teach us,' said Prof. Tkaczyński.

¹ Z. Herbert, *Collected Poems 1956-1998*, tr. A. Valles, Atlantic Books Ltd 2014.



A. Wojnar

J. W. Tkaczyński



A guard of honour at the Oak of Freedom

Then in-memoriam.uj.edu.pl, the new website of the Committee for the Care of the Graves of the Jagiellonian University's Professors was presented. It contains a 'Memorial List' with the names of 1,200 JU professors who died after 1803, with their short biographies and the location of their graves.

The next element of the ceremony was the calling of the roll of honour. The names of the 183 Cracovian scholars were read by Jakub Bakonyi, President of the JU Student Government. It was followed by a talk entitled 'The Oak of Freedom – a symbol of remembrance and homage' given by Prof. Dorota Malec, JU Vice-Rector for University Development. She presented the history of the planting of the oak on 3 May 1919, i.e. the anniversary of the first Polish constitution of 1791, which at the same time was the first celebration of the national holiday: Constitution Day.

Finally, the JU authorities laid floral tributes to the victims of *Sonderaktion Krakau* in front of the commemorative tablets inside Collegium Novum and on the tablets at the foot of the Oak of Freedom, where soil was deposited from Sachsenhausen, Dachau and Katyn.



Paying tribute at the Oak of Freedom

Celebrating Poland's independence

Maria Kantor

International Relations Office

Throughout the whole year 2018, Poland celebrated the centenary of its independence after World War I. The Jagiellonian University also joined this important anniversary by organising various events. One of them was an exhibition launched by the Jagiellonian Library on 7-30 November 2018, i.e. the period of the culmination of the 100h anniversary, in collaboration with the Municipality of Kraków.

The exhibition, entitled '100 years of celebrating Poland's Independence Day', did not focus so much on the reconstruction of the events that had led to Poland's regaining her independence, but on the elements that had caused the formation and common acceptance of 11 November 1918 as the national Independence Day, which at the same time was identified with the recovery of Polish state and sovereignty.

The Independence Day of 11 November was duly celebrated only for two years preceding the outbreak of World War II and then for the last twenty-nine years of the Third Polish Republic (1989-2018). This fact allowed the curator of the exhibition Asst. Prof. Andrzej Dróżdż to remind us of the numerous painful experiences and the patriotic efforts of at least five generations of Poles to make 11 November the integrating national sanctity.

The exhibition consisted of four parts reflecting the four period of Poland's history after 1918. The first part presented the Independence Day during the Second Polish Republic, its first exhibit being a large print showing Józef Piłsudski with a group of the legionaries in Warsaw on 12 December 1916. The other exhibits: newspapers, maps, photos, posters and publications depicted the process of liberation of particular Polish lands. The second part was dedicated to the period of World War II and the German occupation of Poland. The selected documents made it evident that even in those terrible years Poles did not forget to celebrate their Independence Day. In the occupied homeland



M. Kantor

Kraków celebrating Poland's independence in 1918



M. Kantor

J. Piłsudski on a commemorative envelope of 'the second circulation' issued under the communist regime



Z. Pietrzyk opening the exhibition; in the background: the large print with J. Piłsudski



M. Kantor

Commemorative stamps printed by the oppositionist movement

and in exile the resistant movement reminded people of the anniversary of 11 November, encouraging them to fight for Poland's restoration. The third part 'The Polish People's Republic: 1945-1989' showed the oppositionists' attempts to remember the Independence Day, the celebrations of which were forbidden by the communist authorities. The fourth part presented the period of the Third Polish Republic during which the remembrance of Marshal Piłsudski and all those who had fought for the sovereignty of the state of Poland was restored and the celebrations of the Independence Day abounded in numerous events and united Poles in their constant patriotic desire to live and work for their Homeland.



M. Kantor

JU wins NAWA grants

Dorota Maciejowska
International Relations Office

The Polish Agency for Academic Exchange (NAWA) supports Polish institutions of higher education in their international research projects as well as staff and student exchange. It has worked out a long-term strategy of academic mobility embracing programmes both for Polish and foreign staff and students. NAWA also promotes the teaching of the Polish language abroad and courses of Polish for international students enrolled at Polish universities.

The first NAWA programmes offered in 2018 proved to be very popular with Polish universities. Also, the Jagiellonian University submitted several applications in the framework of five programmes: Modern Foreign Promotion, PROM, International Academic, Welcome to Poland and Polish Returns. Most of our projects were positively evaluated and received funding.

ExploreJU – from tradition to modernity

The main aim of the Modern Foreign Promotion Programme is to support universities and scientific units by financing projects aimed at their promotion abroad. It is to encourage scientific entities to promote their didactic and scientific offers abroad in a modern and effective fashion and contribute to the creation of effective tools for recruiting prospective foreign candidates as well as research and teaching staff.

The JU International Students Office developed a project entitled *ExploreJU – from tradition to modernity* directed to promoting Poland's history and knowledge of the Jagiellonian University. Together with the JU Institute of History, ISO will conduct 11 workshops in Germany, Ukraine or Latvia. The workshops will be accompanied by

virtual walks of JU. The project will be implemented from November 2018 till 30 September 2019.

Welcome to Poland

Two JU projects within the programme *Increasing the competencies of the academic staff and the institutions' potential to receive people from abroad – Welcome to Poland* have been successfully evaluated and granted funding by NAWA. Welcome to Poland is to support the institutional capacity of Polish universities by increasing the competencies of their academic staff and the institutions' potential to receive people from abroad, preparing places dedicated to serving students, foreign staff in organisational terms and developing activities related to 'internationalisation at home.'

The first JU project 'Nice to see JU! Increasing the competences of administrative staff to support international students' was put forward by the JU International Students Office. A series of workshops and training divided into thematic blocks aim at increasing language skills as well as hard and soft competencies related to services offered to foreigners. In a long-term perspective, the planned activities should deepen the attitude of openness and tolerance in the academic environment. The project will be conducted from January 2019 till December 2020.

The other project 'WelcomeJU – supporting the university's potential and administrative staff to receive foreign academics' was initiated by the JU International Relations Office. The project is to increase the competences of JU staff and the university's potential to receive international guests, establishing a centre dedicated to visitors and developing internationalisation. Diverse courses, seminars, printed and on-line materials, procedures, welcome guides will support those dealing with visitors to help JU international staff and students function in the academic and social community.

International Scholarship Exchange of PhD Candidates and Academic Staff – PROM

The aim of the project is to create a mechanism of financial support for scholarship exchange of PhD candidates and academic staff programmes to enable participation in short forms of education (lasting from 5 to 30 days), aimed at increasing competences and qualifications. A proposal to the call was submitted by the JU IRO. It received funding in the amount of 750 thousand zloty, which will be used to cover the costs of the JU PhD candidates and academics' participation in summer and winter schools, conferences, training and workshops as well as the costs of mobility of international PhD candidates and academic staff. The project will help improve the accessibility of international education programmes and increase the mobility of the personnel both in the field of visits of representatives of Polish universities and scientific institutions abroad as well as arrivals of scholarship holders to Poland, including people from outside the EU. The project will be implemented till 30 September 2019.

International Academic Partnerships

The programme is to develop durable solutions in the area of scientific implementation and teaching process co-operation, pursued within the framework of international academic partnerships. Thus the project should provide a foundation for the development of a long-lasting co-operation of entities forming a partnership.

The JU Faculty of Philosophy succeeded with its proposal entitled *Law-Language-Philosophy Research Network* (LLPRN). The JU project aims at establishing a partnership of scholars dealing with the philosophy of law, the philosophy of language and analytical metaphysics. Its partners will be research units from France, Italy, Great Britain and Croatia, and directed towards to target groups: academics and PhD candidates, in particular lawyers and philosophers. LLPRN should lead to reinforcing scientific collaboration between partners, learning the specifics of



A. Wojnar

Inauguration on 1 October 2018

research work of each partner (exchange of experiences), integrating the international community of philosophers and lawyers, institutionalising the informal relations between academics through launching a communication platform that will also ensure funding joint research endeavours. In the long-term perspective, the project should develop international interdisciplinary research teams that will jointly apply for grants.

Polish Returns

The main objective of 'Polish Returns' is to enable Polish scientists to return to their country and take up employment in Polish higher education institutions or research units for a period of 36-48 months. The returning scientists are to create their own project groups and apply for grants to Polish and international research funding institutions as well as to conduct and disseminate research results in renowned scientific journals or to conduct development/implementation work.

In the first call, NAWA selected 22 scientists out of 108 applications. The Jagiellonian University will host six of the awarded scientists, thus being the leader of the Polish Returns Programme among the Polish institutions of higher educations. Below is the list of the selected scientists and the receiving JU units:

- **Faculty of Mathematics and Computer Science – Prof. Jerzy Weyman** from the University of Connecticut
- **Faculty of Biology – Dr Piotr Łukasik** from the Swedish Museum of Natural History
- **Faculty of Physics, Astronomy and Applied Computer Science – Dr Marcin Zagórski** from the Institute of Science and Technology in Klosterneuburg
- **Małopolska Centre of Biotechnology – Dr Anna Czarna** from Cardiocentro Ticino in Lugano, **Dr Tomasz Kościółek** from the University of California and **Dr Rafał Mostowy** from Imperial College London.

Inauguration on 1 October 2018



A. Wojnar

NEW STUDY PROGRAMMES in 2018/19

Maria Kantor

International Relations Office

The Jagiellonian University offers the following new programmes in the 2018/19 academic year:

BACHELOR'S PROGRAMMES CONDUCTED IN POLISH:

- **Latin American Studies** in the Faculty of International and Political Studies,
- **Molecular and Cellular Biophysics** in the Faculty of Biochemistry, Biophysics and Biotechnology
- **Organisation and Economics of Health Care** in the Faculty of Health Sciences,
- **Polish-Ukrainian Studies** in the Faculty of International and Political Studies.

BACHELOR'S PROGRAMMES CONDUCTED IN ENGLISH:

- **Global and Development Studies** – Faculty of International and Political Studies

Interdisciplinary programme aiming at equipping students with fundamental understanding of the processes of globalisation in various spheres of human activity: law, politics, economy, history, the social relations, culture and communication. The programme is structured in such a way that allows students to focus either on a selected part of the world or specific global problems and challenges.

- **Earth Sciences in a Changing World** – Faculty of Geography and Geology

Interdisciplinary programme offering a rigorous international and comparative perspective on the contemporary global system. It aims at fostering creative thinking about complex global problems and equipping students with the analytical tools and cross-cultural understanding to guide them in that process. The programme provides basic knowledge about geography, geology and anthropogenic transformations in the environment and their impact on the lives of local communities and global changes.

MASTER'S PROGRAMMES CONDUCTED IN POLISH:

- **Cultural Studies » Contemporary Buddhist Studies** – Faculty of Philosophy
- **Medicinal Chemistry** – Faculty of Chemistry

MASTER'S PROGRAMMES CONDUCTED IN ENGLISH:

- **Asian Studies: Korean Studies** – Faculty of International and Political Studies

Students are introduced to the specificity of the Korean Peninsula in its historical, philosophical, religious aspects as well as to political and economic processes of the region. They will also learn the Korean language. During the first year students study at the Jagiellonian University, while during the second at the Keimyung University in Korea. Graduates will be awarded two Master's diplomas of the Keimyung University and the Jagiellonian University.

- **Cultural studies » Comparative Heritage Studies (COHES)** – Faculty of Polish Studies

This programme offers a wide range of knowledge on cultural heritage in literature, art, theatre, architecture, urban space and the sites of memory, particularly those found in Kraków and inscribed on the UNESCO World Heritage list. It focuses on the multi-ethnic, multinational, multilingual nature of heritage, approaching it from three angles: Digital Heritage, Visual Heritage as well as Comparative and Translated Heritage.

- **Drug Discovery and Development** – Faculty of Pharmacy

The programme focuses on all aspects of identifying and introducing new medicines. It aims at equipping students with a highly applied scientific basis for the discovery and development of novel pharmacotherapeutics, combined with focused, real-life practical skills. It provides a solid grounding in pharmaceutical sciences, together with the opportunity to specialise in a particular drug discovery and development area.

- **Environmental Protection and Management** – Faculty of Biology

The programme is addressed to English-speaking students who seek specialist education in contemporary environmental conservation and natural resource management. Students will receive deepened and updated knowledge. They will focus on team work, planning and conducting valorisation or monitoring works. The interdisciplinary programme provides a large number of practical activities in the JU laboratories and during field classes.

- **Intellectual Property and New Technologies** – Faculty of Law and Administration

The programme has been developed in co-operation with the World Intellectual Property Organisation (WIPO). It focuses on the following issues: new technologies and patent law, copyright in the digital era, commercial communication in the context of trade marks, designs and unfair competition, data protection,



A. Wojnar

Inauguration on 1 October 2018

Opening of the 655th academic year

Maria Kantor

International Relations Office

The 655th inauguration fell on a special and important moment in the history of Polish higher education – the implementation of the new Law on Higher Education and Science (entered into force on 1 October 2018) as well as the celebrations of the Centenary of Poland Regaining Independence. These milestones determined to a considerable extent the speeches of the opening of the 2018/19 academic year.

The inauguration followed the time-honoured tradition of the Jagiellonian University and was held on 1 October 2018. The morning Mass, which gathered the JU community, was celebrated in St Anne's Collegiate Church. Afterwards a procession of JU professors in university gowns and guests was formed in Collegium Maius. According to the JU tradition, the first to march in the procession were scholars representing the youngest faculty – the Faculty of Geography and Geology, and the last was the JU Rector Prof. Wojciech Nowak. All the professors, international guests and JU authorities marched to the JU Auditorium Maximum where a solemn session of the Senate took place. On its way, the procession stopped by the Liberty Oak in front of Collegium Novum to lay a wreath under the plaque commemorating the JU professors who had died in the Nazi German and Soviet concentration camps during World War II.

Gaude Mater Polonia, a medieval Polish anthem, inaugurated the session in the main hall in Auditorium Maximum. It gathered many distinguished guests, including representatives of the government, the Governor of Małopolska, the Mayor of Kraków, MPs, representatives of the diplomatic corps, guests from foreign universities, authorities of higher education institutions from Kraków as well as representatives of the world of culture, clergy, Polish Army, academics and students.

In his inaugural speech, Prof. Wojciech Nowak focused on the Law on Higher Education and Science which underpinned the reform known as the Constitution of Science, representing a change of the attitude to education, conducting research and university governance. **'Today we all ask the question: does the new law meet our expectations? [...] In my opinion, thanks to its provisions the law should considerably support the functioning, and especially the development, of higher education institutions, for example in such aspects like new statutes, creating doctoral colleges, evaluation of disciplines within the university, financing by subventions or calling into being the university council. These provisions strengthen the autonomy of universities,'** Rector Nowak said. He also mentioned the tasks of the Jagiellonian University in the new academic year: working out its new statute, the European Universities initiative, the completion of the new University



A. Wojnar

Inauguration on 1 October 2018

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➤ **International Security and Development** – Faculty of International and Political Studies

ISAD is an international programme addressed to Polish and foreign students, mainly from Europe, North America and Asia, and to all those who are interested in security and development issues. It provides theoretical, specialist knowledge of international security and development co-operation. It fosters creative thinking about the complex problems of global security and development as well as equips students with the analytical tools, language expertise and cross-cultural understanding. It also helps gain professional skills needed for managing global security and development in an international environment.

Studies are free of charge for Polish and foreign students. They can apply for financial support.



A. Wojnar

Inauguration on 1 October 2018



W. Nowak

Hospital and extension of the Children's University Hospital as well as reconstruction of three JU buildings on the second campus.

Another theme of the Rector's speech was the initiative of European Universities Alliance and the prestigious grants of the European Research Council for research projects within Horizon 2020. This year two JU scholars were awarded these grants: Dr **Tomasz Żuradzki** from the Faculty of Philosophy for the project entitled *Deep uncertainties in bioethics: genetic research, preventive medicine, reproductive decisions*, and Dr **Michał Németh** from the Faculty

of Philology for the project *(Re)constructing a Bible. A new approach to unedited biblical manuscripts as sources for the early history of the Karaim language*.

'Although this new academic year is going to be difficult, I am certain that we will not go into idle disputes, unnecessary conflicts and barren inconclusive discussions. I believe that the visionary picture of the university will win – the European university of the 21st century in the middle of Europe. That is why, with full confidence and joy I declare the new 2018/2019 academic year open: *Quod felix, faustum, fortunatumque sit.*

Then the annual state medals, Rector's Award 'Jagiellonian Laurel' and other JU distinctions were presented, preceded by a speech of Prof. Stanisław Kistryn, Vice-Rector for Research and Structural Funds. He stressed that the Jagiellonian University was a leader of winning grants from the National Research Centre: in 2017, JU scientists were awarded about 300 grants. The Rector's Award was given to **Prof. Tomasz Guzik** from the Faculty of Medicine and **Prof. Jerzy Jurkiewicz** from the Faculty of Physics, Astronomy and Applied Computer Science.

The next part of the opening ceremony was the matriculation conducted by the JU Vice-Rector for Educational Affairs Prof. Armen Edigarian. He said that **'Your choice of the Jagiellonian University is a very ambitious decision since you will have to meet its high requirements, but you have the guarantee that your efforts will yield the fruit of excellent preparation to future professional careers. Our Alma Mater will allow you to study abroad at numerous international universities, to participate in research and develop your passions, including your sports and cultural passions.'**

After his speech, 32 first year students swore an oath on behalf of all their colleagues. Then the University Choir sang the university anthem *Gaudeamus Igitur*, followed a speech made by the President of the JU Student Government Jakub Bakonyi.

The last element of the inauguration was a lecture delivered by Prof. Ryszard Markiewicz from the Faculty of Law and Administration. The title of this year's lecture was 'Artificial intelligence'.

The 2018/19 academic year means new ideas and initiatives as well as challenges in research, teaching, social and cultural activities.



Strengthening ties with Chinese universities



W. Nowak and S. Chen

Adriana Holub-Palonka
International Relations Office

For the last several years, the Jagiellonian University has established co-operation with many universities in China. Most of them were signed in 2017 and 2018. This has resulted from the JU policy of internationalisation and the One Belt, One Road initiative. In the JU strategy, Chinese universities occupy an important place as for the staff and student mobility. Working visits to both countries aim at intensifying collaboration.

On 30 November – 7 December 2018, a JU delegation, consisting of the Rector Prof. Wojciech Nowak, Prof. Adam Jelonek, Rector's Proxy for Internationalisation, Prof. Franciszek Krok, Vice-Dean of the Faculty of Physics, Astronomy and Applied Computer Science, Prof. Wojciech Macyk, Vice-Dean of the Faculty of Chemistry, Dr Małgorzata Osińska, Director, and Han Xingzhong, Vice-Director of the Centre of the Chinese Language and Culture 'Confucius Institute in Kraków' as well as Asst. Prof. Waldemar Martyniuk, Director of the JU Centre of the Polish Language and Culture in the World, visited three universities in China. The aim of the visit was to extend collaboration and strengthen ties between the Jagiellonian University and universities in China.

Southern University of Science and Technology

At first, the Polish delegation was hosted by the authorities of the Southern University of Science and Technology (SUSTech) in Shenzhen, one of China's newest pioneering research universities. They were welcomed by the President Prof. Shiyi Chen, Prof. Chunmiao Zheng, Vice Provost (Global Strategies), Prof. Ming Li, Director of Centre for Higher Education Research, Prof. Jiaqing He, Director of the International Centre for Higher Education Innovation under the auspices of UNESCO (UNESCO-ICHEI), Prof. Zhiping Zheng, Chair of the Department of Physics, and Dr Xu Li, Chair of the Department of Chemistry, Associate Director, Global Engagement Office.

During the visit two agreements were signed: a letter of intent concerning a double degree study programme in the field of chemistry and physics, and an academic co-operation agreement including staff and student exchange. It should be mentioned that both agreements resulted from previous talks held during the visit of a SUSTech delegation to JU in September 2018.

Sichuan University

On 4 December, the JU delegation visited Sichuan University, one of China's top universities, located in Chengdu, a famous historical and cultural capital city of Sichuan Province, known as the land of abundance. During the meeting with the authorities of Sichuan University, including the President Prof. Li Yanrong, the Vice-President Prof. Yan Shijing and the Chief for the Polish Language Study, College of Foreign Language and Culture, Asst. Prof. Yu Miao, an agreement on student exchange was signed. Both university agreed to promote Chinese and Polish culture.

Moreover, the JU delegation participated in the 13th Global Confucius Institute Conference. Its participants discussed new ways to teach Mandarin as a foreign language and ways to enhance cultural exchanges. The conference welcomed over 1,500 delegates from 154 countries and regions, including university presidents, scholars, Confucius Institute directors and education personnel. It was also attended by the Deputy Prime Minister of the State Council of China and Chair of the Council of Confucius Institute Headquarters Mrs Sun Chunlan, who delivered a speech at the opening ceremony. There are a total of 548 Confucius Institutes and 1,193 Confucius Classrooms in 154 countries and regions, drawing students from across the world to learn the Chinese language and culture. JU can boast of having a Confucius Institute since 2006.

Shanghai International Studies University

During the visit to Shanghai International Studies University (SISU) in Shanghai, a letter of intent concerning the establishment of a double Bachelor's degree programme in Polish

and European Studies and a double Master's degree in European Studies was signed. There was also a meeting of the JU delegation with students of the Polish Language Class at SISU.

The partnership between JU and SISU started in 2017, when an academic co-operation agreement on staff and student exchange was signed. In November 2018, JU hosted a delegation from SISU headed by the Vice- Rector Zhou Cheng. During the meeting, details of the double degree programme had been worked out. It is worth mentioning that our collaboration with SISU has been intensified thanks to the efforts of Mrs Mao Rui, a lecturer of the Polish Language Programme of SRES, who is now trying to develop Polish studies at SISU. At the same time, she is pursuing a PhD programme at the JU Faculty of Polish Studies.



Last but not least, the Jagiellonian University is now collaborating with Chinese partners within 33 agreements, out of which 16 were signed at university level and 17 at faculty level (including two with the JU Medical College).

JU involvement in The Guild

Barbara Chmielowska
International Relations Office

In 2018, the Jagiellonian University has actively been involved in the initiatives undertaken by The Guild by engaging its experts in working groups concerning FP9, research and innovation, ensuring the quality of scientific research and increasing the participation of countries with less research potential. Moreover, JU experts have evaluated new EU initiatives, e.g. research-developmental missions and the European Universities.

Currently, the following JU experts are involved in the working groups:

- **FP9 Oversight Group/Innovation Group**
– Asst. Prof. Andrzej Adamski
- **Research & Innovation Policy Group**
– Agnieszka Kołodziejska-Skrobek, MA
- **Quality Assurance** – Prof. Radosław Rybkowski
- **Widening Participation** – Prof. Małgorzata Kossowska
- **SSH Deans Group** – Prof. Władysław Witalisz
- **North-South Initiative** – Prof. Robert Kłosowicz
- **Open Science** – Prof. Zdzisław Pietrzyk and Dr Leszek Szafrąński.

In 2018, there have been 25 meetings of the experts' groups, including the Vice-Presidents' Meeting and General Assembly. As result of the group work The Guild published:

- **eight documents and political statements**
- **five proposals of developmental-research missions.**

The most important documents concern the research missions and recommendations concerning the idea of European University Networks.

It should be stressed that **The Guild was the first European network that submitted to the European Commission its conclusions and proposals** concerning these two most essential EU initiatives and established stable contacts with the Commission, which used many of The Guild's recommendations to work out the conceptual document concerning European University Networks. Consequently, **The Guild has become a well-recognised and opinion-making partner on the European political scene.**

Furthermore, the Jagiellonian University has been committed to several **projects and initiatives** developed by the member universities:

- the initiative of the University of Oslo regarding the dialogue of the countries of the North/South and possibilities of collaborating with African research universities: African Research Universities Associate – ARUA;
- developing joint summer schools for PhD candidates from partner universities – the first school will be hosted by Paris-Diderot University;
- workshops and consultations for representatives of the project support offices of The Guild's member universities, aiming at sharing best practice and developing academic collaboration in Horizon 2020;
- meetings of the deans of law faculties focused on discovering possible areas of joint research.

All of these initiatives, their effectiveness and rage have led to an increasing eagerness of various JU units and external their partners to be involved in them, as well as to popularising the network. This has been testified by the following facts:

- Secretary General of The Guild Prof. Jan Palmowski (University of Warwick) was invited by the Polish Contact Point to participate in the debate about widening participation and the panel concerning transnational collaboration within European research networks during the European Technology Forum in Katowice in September 2018;
- Prof. Radosław Rybkowski represented The Guild in the meeting Teaching excellence 2030: Looking into the future at the Times Higher Academic Summit on Teaching Excellence in Glasgow in July 2018;
- Dean Władysław Witalisz participated in the first meeting of the deans of the social sciences and humanities faculties from the member universities held in November 2018, which was dedicated to the role of these faculties within the Framework Programmes. Prof. Witalisz also participated in the conference Impact of Social Sciences and Humanities for a European Research Agenda, Vienna, 28-29 November 2018.

Dorota Maciejowska
International Relations Office

UNA Europa – an ambitious reply of six prestigious universities to the call of the Erasmus+ Key Action 2: European Universities.

In September 2017, President Emmanuel Macron, speaking at the Sorbonne, put forward the idea of creating European University Networks by 2024. These should be alliances the composition of which is to be set at a minimum of three HE institutions from three EU member states. Each institution has to be awarded the Erasmus Charter for Higher Education (ECHE). The aim behind this initiative is to bring together a new generation of Europeans who are able to co-operate with different cultures, in different languages, borders and across borders and disciplines to address the big societal challenges through innovative learning approaches that equip graduates with high-level, entrepreneurial and transferable skill for a fast-changing labour market.

The new alliances will allow students to obtain a degree after studying in several EU countries, which will increase the competitiveness of European universities in the world. The objectives of European University Networks are:

- a shared, integrated and long-term strategic vision for education, research, innovation and service to society,
- a European campus offering a European curriculum consisting of carefully structured study programmes which students of all levels can pursue,
- European research teams taking on social challenges and applying an interdisciplinary approach.

Within the Erasmus+ Key Action 2, the European Commission announced a call for proposals for European Universities open till 28 February 2019. Replying to this call, six universities: KU Leuven (Belgium), Freie Universität Berlin (Germany), Università di Bologna (Italy), Universidad Complutense de Madrid (Spain), Université Paris 1 Panthéon-Sorbonne (France) and the Jagiellonian University joined forces to create an alliance called UNA Europa and write an application for funding the initiative.

The UNA Europa Alliance was formally called into being on 20 April 2018. For the last months it has undertaken numerous activities, including working groups aiming at developing innovative, joint Bachelor's and Master's study programmes, training for PhD candidates as well as creating digital solutions supporting research and educational processes. All of these ideas focused on three thematic pillars: **cultural heritage, European questions and sustainable development**.

One of the priorities established by the UNA Europa Alliance is the need of sharing between PhD candidates themselves and between researchers and PhD candidates, creating a multidisciplinary, inter-university and multi-entity forum for junior researchers combining research in particular fields and teaching critical thinking referring

to the challenges that Europe is facing today. Consequently, UNA Europa organised doctoral workshops that allowed PhD students to create a European network of contacts in different academic disciplines and use the UNA Europa universities' resources.

The first workshop on **cultural heritage**, its challenges and perspectives was held in Madrid on 21-24 November 2018. During the sessions, PhD students presented their research concepts related to cultural heritage, listened to lectures and participated in field studies. Although the workshop focused on cultural and artistic heritage, it also aimed at discovering the boundaries of natural and cultural heritage. The participants included three PhD candidates from the JU Faculty of Law and Administration, the Faculty of Management and Social Communication and the Faculty of International and Political Studies.

Another cycle of workshops was devoted to the **heritage of European universities**. The first workshop, held in Leuven on 9 November 2018, gathered specialists in the history of universities who reflected on their material and non-material heritage. They spoke about the values associated with the tangible and intangible heritage, the challenges regarding their preservation, their adaptation to new requirements imposed by university life. They also tried to identify their contribution as a resource for the different tasks and responsibilities European (historic) universities have today.

Another workshop 'A tourism resource for European cities' was held in Paris on 7 December 2018. It focused on the ways of interaction between heritage and academic milieu, local societies as well as national and international visitors. The European universities were born in city centres and historically played a key role in the formation and development of the historical urban cores. Although recent developments pushed universities to develop campuses in the city outskirts, central universities remained a major reference and a key landmark for European cities. However, European Universities heritage might remain unknown or misunderstood to both academic staff and external visitors, local national or international.

On 10 December 2018, Paris 1 Panthéon-Sorbonne University hosted one of the Executive Board meetings dedicated to '**Perspectives and Challenges for European Research. The role of European University Alliances.**' The participants of the meeting discussed challenges and perspectives in relation to European research and the role of European University Alliances in the development, structuring and dissemination of European research in a globalised world. JU was represented by Prof. Stanisław Kistryn, Vice-rector for Research and Structural Funds.

Finally, UNA Europa intends to create a **joint study programme Master in Tourism**, a common platform of remote access to university resources with the OpenU project and organise a conference and seminar on sustainable development in Berlin in April 2019.

Hopefully, all these initiatives will form a wide audience, including academics, architects, specialists in tourism, urban planners, historians of art, historians, geographers, economists, sociologists and anthropologists.

The Executive Board meeting in Paris



JU INTERNATIONAL CO-OPERATION in 2018/19

Maria Kantor

International Relations Office

The JU international relations embraces staff, PhD candidates and student exchange, participation in international events, research visits within academic co-operation agreements, governmental scholarships, joint research and posts of Polish language teachers, visiting professorship, double and joint degree programmes, summer schools as well as various forms of involvement in networks and research or educational projects.

Partnerships

The JU International Relations Office is responsible for negotiating, in collaboration with particular units, preparation, co-ordination and administrative-financial realisation of bilateral agreements at university and faculty level. The JU bilateral agreements concern: staff and student mobility, exchange of scientific information, reports and publications as well as collaborative research, joint meetings, seminars and courses. Some agreements are accompanied by working programmes that are updated, embracing current trends and directions of collaboration and research.

In the 2017/18 academic year, JU signed 52 new bilateral agreements with institutions of higher education in 25 countries, including Brazil, China, Ecuador, Germany, Georgia, India, Israel, Japan, Mexico, South Africa, South Korea, Taiwan, Ukraine and the USA.

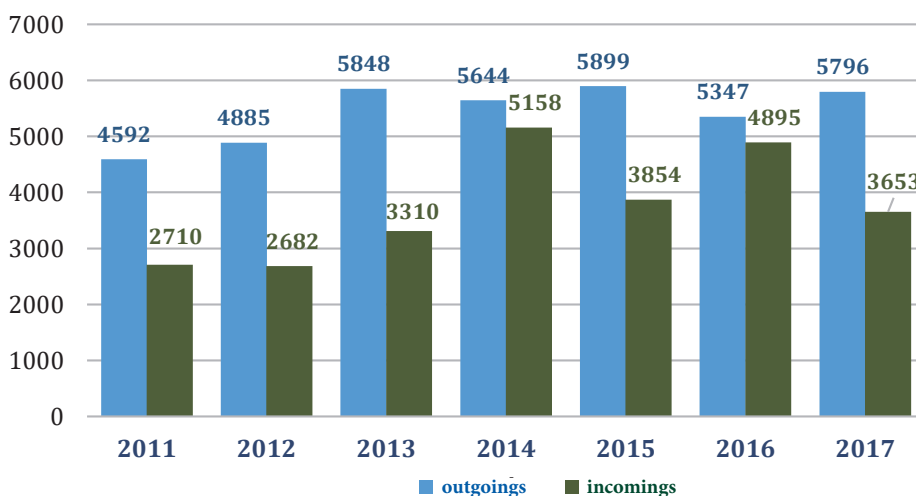
Currently, the total number of registered agreements is **1,945**, including **330** bilateral agreements with 288 institutions from 64 countries (156 agreements with Europe, 106 with Asia, 32 with North America, 18 with South America, 15 with Africa and the Middle East, and 3 with Australia) and **1,615** Erasmus+

agreements with 608 universities in 52 countries (1,567 KA 103 agreements and 48 KA 107 agreements).

Staff mobility

The International Relations Office administers all outgoings of JU staff. In 2017, the number of outgoing visits was **5,796** to 95 countries, while the number of incoming visits was **3,653** from 85 countries (the numbers do not embrace students). In 2018 (till 15 December), IRO registered **5,420** outgoing visits.

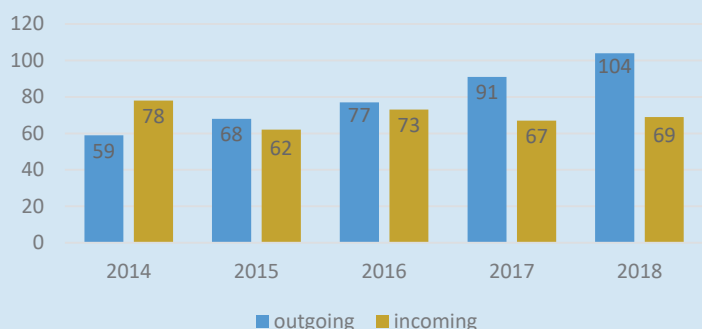
Outgoings and incomings in 2011-2017



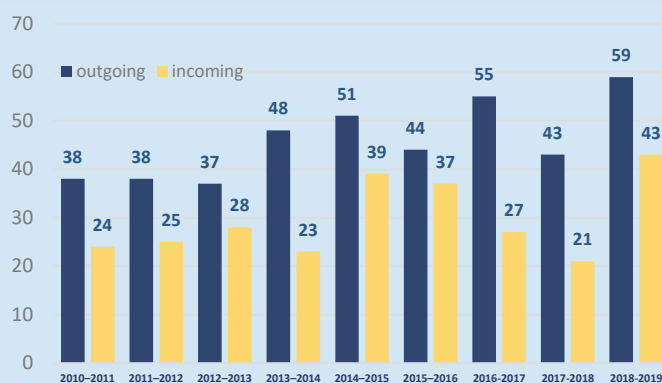
The top countries for outgoings were: Germany, Italy, the United Kingdom, France, the USA and Ukraine, while the top countries for incomings were: Ukraine, Germany, the USA, Italy, Czechia, Hungary and China.

It is worth noting that in 2017, within various exchange programmes, the staff and student mobility included 734 people: 494 outgoings and 240 incomings.

Staff exchange within bilateral agreements in 2014-2018



Student exchange within bilateral agreements in 2010/11 – 2018/19



The IRO's officers have been involved in various activities of the following networks: The Guild of European Research-Intensive Universities, the Utrecht Network, the Coimbra Group and UNA Europa Alliance.

ERASMUS+ staff mobility

For the last several years the Jagiellonian University has been a leader among the Polish institutions of higher education participating in the Erasmus+ Programme as for the number of mobility participants, both outgoing and incoming. In 2016/17–2017/18, JU realised exchange projects for which it received 4,750,132 euros.

In 2018, the exchange within KA 103 included 257 people: 155 for Staff Mobility for Teaching Assignments and 102 for Staff Mobility for Training Assignments (a 64% increase to the previous year). **For the 2018/19 academic year, the planned staff mobility should embrace 304.**

The staff mobility with partner countries (KA 107) embraced 37 people, including 26 academic teachers and 11 administrative officers, who visited 13 countries: Algeria, Armenia, China, Egypt, Georgia, India, Israel, Japan, Mexico, Russia, Serbia, South Korea and Ukraine. We hosted 43 people: 21 teachers from Armenia, Belarus, China, Georgia, Egypt, India, Israel, Japan, Kenya, Mexico, Russia, Serbia, South Africa and Ukraine, as well as 22 administrative officers.

During the Erasmus Training Week held in June 2018 we hosted 30 participants from 24 universities in 16 countries.

It is worth noting that the JU IRO has been a partner in the project *Erasmus+ Realising the potential of the international mobility of staff in higher education* (REALISE), co-ordinated by the University of Paul-Valéry Montpellier 3. The project aims at promoting best practices concerning academic staff exchange and its influence on their professional careers.

SYLFF

Within the Ryoichi Sasakawa Young Leaders Fellowship Fund (SYLFF), the JU SYLFF team awarded 11 grants to outstanding postgraduate students representing the following faculties: Philosophy (6), History (2), International and Political Studies (2), Management and Social Communication (1). The scholarship-holders pursue different programmes at the following universities abroad: Aoyama Gakuin University, Kobe University, Japan; Lancaster University, University of Nottingham, Oxford University, UK; Lebanese American University, Lebanon; Yale University, Brooklyn College, University of Chicago, University of Minnesota, Arizona University, the USA.

UTRECHT NETWORK

The Jagiellonian University has been involved in the Utrecht Network (UN) since 1997. Currently, UN consists of 32 universities from 27 countries. UN promotes staff and student mobility through new possibilities of exchange, sharing good practice and joint study programmes. Consequently, it has collaborated with different consortia in Australia (AEN–Australian European Network) and the USA (MAUI–Mid-America Universities). In 2017, UN launched collaboration with a Brazilian consortium – REARI-RJ-Rede das Assessorias Internacionais das Instituições

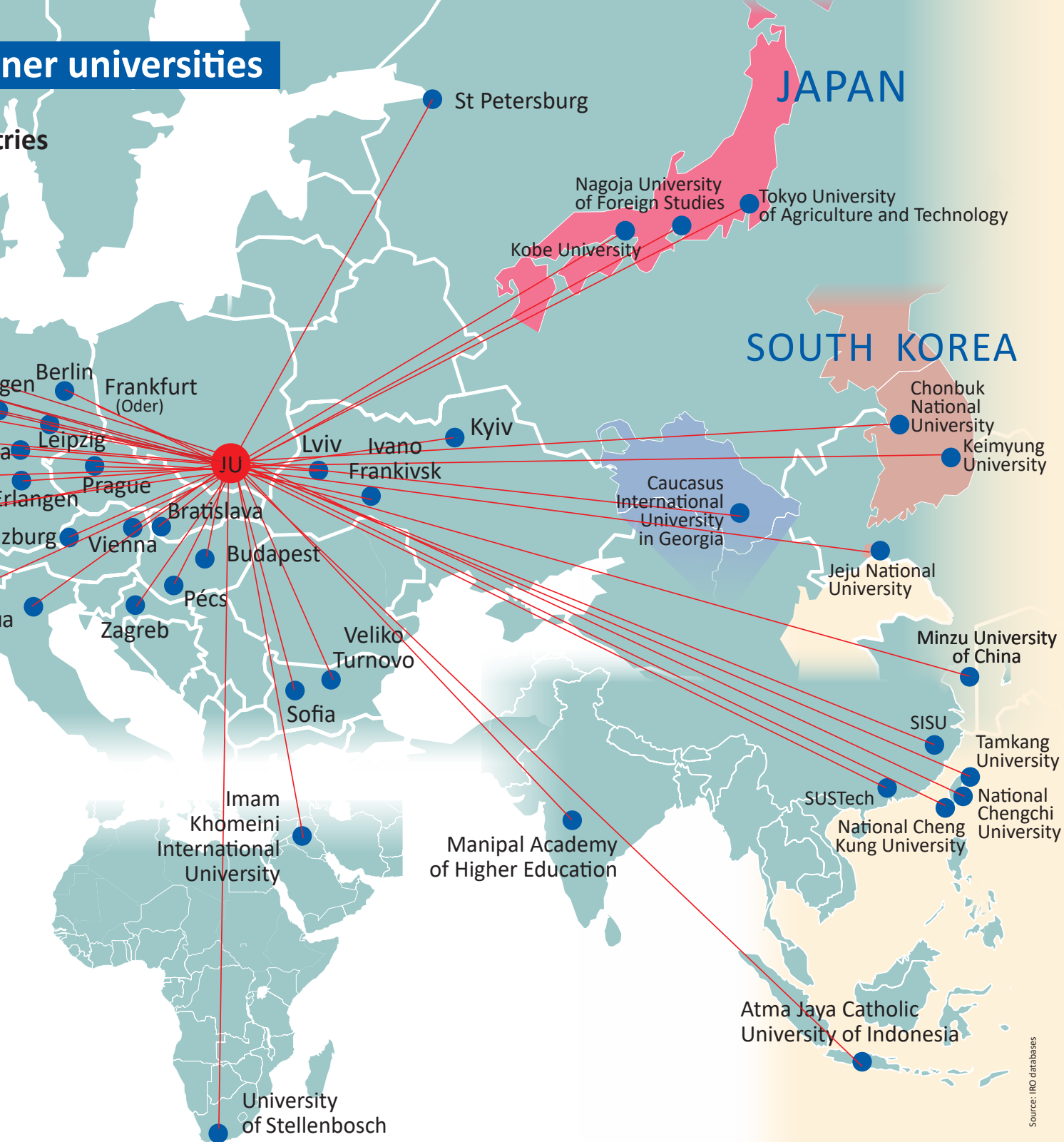
Staff exchange with JU part

Mobility to 47 universities in 23 countries



de Ensino Superior do Rio de Janeiro. Since 2015, IRO has been part of the UN Staff Mobility Task Force aiming at increasing the quality of services for international guests.

In the 2018/19 academic year, JU has sent five students to four universities in the USA: Columbia College Chicago, Oklahoma State University, University of Missouri-St. Louis and Texas State University, as well as one student to Brazil: the Fluminense Federal University.



Source: IRO databases

Visiting Professorship programme

The Jagiellonian University has a special budget to employ visiting professors at its faculties. Visiting professors are obliged to conduct 60 teaching hours per semester and examine students at the end of each course.

In 2017, eight JU faculties hosted 19 visiting professors who conducted courses for students, while in 2018, the number increased to 39 professors teaching at nine faculties. They represented 23 countries, including Canada, Brazil, China, Egypt, France, Germany, the Netherlands, India, Ireland, Morocco, Russia, the USA. **It is worth noting that JU faculties have applied to host over 50 visiting professors in 2019.**

Student exchange with JU partner universi

Mobility to 50 universities in 23 countries

Canada

USA

Mexico

Indonesia

Argentina

Brazil

Chile

Australia

Colombia

Ecuador

Peru

Iran

United Kingdom

Germany

Russia

Georgia

China

Japan

Egypt

India

South Korea

Taiwan

Singapore



JAPAN

Tsukuba University
Nanzan University
Tokyo University of Foreign Studies
Waseda University
Tokyo University of Agriculture and Technology
Nagoja University of Foreign Studies
Kobe University
Kyoto University
Ritsumeikan University
Ryukoku University
Kansai University

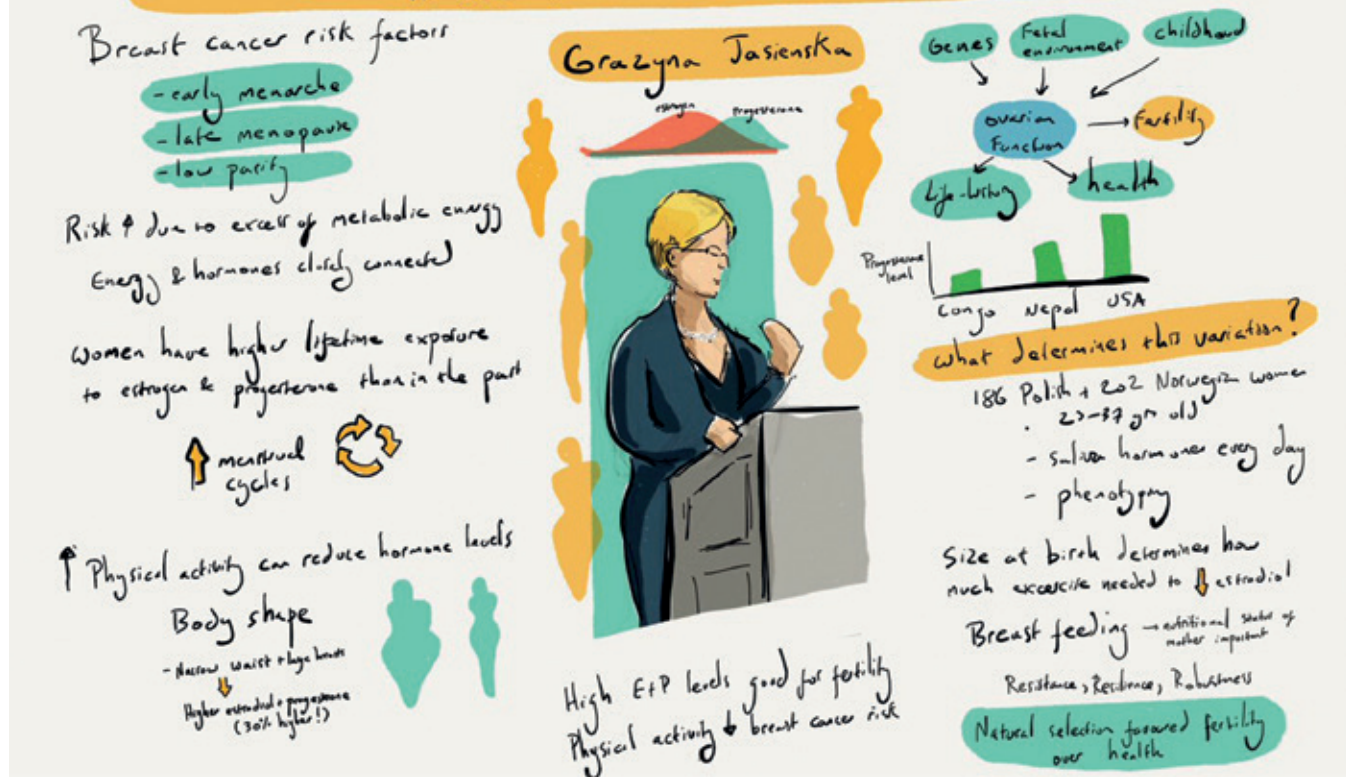
SOUTH KOREA

Hankuk University of Foreign Studies
Korea University
Chonbuk National University
Keimyung University
Pusan National University
Jeju National University

St Petersburg State University
Caucasus International University
Minzu University of China
Sinchuan University
SISU
National Cheng Kung University
Tamkang University
Tsing Hua University
National Chengchi University
Atma Jaya Catholic University of Indonesia
University of Melbourne
National University of Singapore
Manipal Academy of Higher Education
Imam Khomeini International University
American University in Cairo
SUSTech
berg University
JU

Evolution of female reproduction and breast cancer

It was never about the 3 Rs



G. Jasieńska's plenary lecture at the 2017 Arizona conference of International Society for Evolution, Ecology and Cancer

Development, breast cancer, fertility and mate preferences – evolutionary ways of looking at human health

Ilona Nenko, Grażyna Jasieńska

Institute of Public Health

Although the evolutionary approach to human health is not new, it is rarely used in medical and public health research. Evolutionary medicine and evolutionary public health are the areas of science that allow us to understand why the human organism is susceptible to diseases. Why do we get cancer, heart disease or infectious diseases? Why is giving birth so difficult? Why do we age? Why do we have genes that make us ill? Why are our organisms not more disease-resistant? The evolutionary way of looking at health and disease suggests some answers.

Our body was designed over the course of many thousands of years of evolution. We inherited some traits from our evolutionary ancestors but not all of them are perfect. The traits are often a compromise between serving different functions. For example, if human babies were born more mature, it would make an infant stronger and baby-care much easier and less time consuming. On the other hand, a much larger baby would not be able to pass through the birth canal. The birth canal in human females does not have the best design for giving birth, but its shape is a compromise between having a baby and walking

on two legs. In other words, it is a compromise between two different evolutionary changes that occurred during the human evolution – the increase in brain size and bipedal locomotion.

Research in evolutionary medicine brings understanding of reasons for susceptibility of the human organism to disease but also suggests new methods of treatment and prevention. The Department of Environmental Health, Jagiellonian University Medical College, is one of the few research groups in Europe that is developing the area of evolutionary public health. Recently, the department chair, Prof. Grażyna Jasieńska, has been the leading author on a publication that introduced the concept of evolutionary approach to reproductive health. This article has been published in the journal *Lancet* as the first publication on evolutionary public health that appeared in one of the most prestigious medical journals. Many of the concepts and examples described in the article originated from over 15 years of research by Prof. Jasieńska and her colleagues from the department. The research team has an ongoing longitudinal study on the health of the rural population in Poland. The work has been conducted in villages in the Island Beskid mountain range, that is named by researchers the Mogielica Human Ecology Study Site. So far the team has collected information on almost 6,500 women, men and children, and published over 55 articles based on these data.



Public Health students, A. Matras and M. Wolak, during field work in the Island Beskids

The Mogielica Human Ecology Study Site

Recent projects

Lately, we have finished three studies funded by the National Science Centre, Poland. The project *Biomarkers of foetal programming and female's health and fertility* led by Dr Magdalena Klimek aimed to explain the relationship of early-life conditions and subsequent health status and reproduction in women. Early-life conditions were analysed via three biomarkers of the so-called 'foetal programming.' Values of those markers are signals of the differences in foetal conditions that people experienced and are stable across the lifespan. We have shown that women who had more beneficial early-developmental conditions had higher reproductive success (i.e. on average, a greater number of children and a longer reproductive span) than women who had more adverse early-life conditions. These results were published in the *American Journal of Physical Anthropology*, while other results from this study were presented at several conferences in Europe, the United States and Australia. At the Developmental Origins of Health and Disease (DOHaD) Society of Australia and New Zealand annual meeting, Dr Klimek presented the talk *Is facial fluctuating asymmetry, a biomarker of developmental stability, related to risk of cardiovascular diseases?* She showed that women and men experiencing more beneficial foetal conditions had lower risk of hypertension and lower levels of total and LDL-cholesterol ('bad' cholesterol). This presentation was awarded with the DOHaD Australia and New Zealand Society Prize in 2017. This year Dr Klimek has also participated in the Developmental Origins of Health and Disease (DOHaD) Society of Australia and New Zealand annual meeting, and gave a symposium talk entitled *Being in utero during the Second World War is related to biomarkers of foetal programming*. Women and men whose foetal life occurred during the Second World War had values of biomarkers of foetal programming indicating a poorer developmental environment. This talk was awarded by the DOHaD Australia and New Zealand Society as one of the top presentations given by Early Career Researchers. The results of this project add to the growing body of evidence that early developmental conditions are important for shaping health during adult life.

The project entitled *Fertility and aging and lifespan of women* led by Prof. Jasieńska tested the hypothesis of the existence of trade-offs between reproduction and other functions of the organism, thus it attempted to determine if lifetime reproductive effort (measured by the number of children) influenced the health of older women. A part of this study documented that women who had a high number of children (seven to nine) were perceived by other people evaluating the photographs of these women as older, less healthy and less attractive. These findings presented by Dr Urszula Marcinkowska at the annual meeting of the European Human Behaviour and Evolution Association in London in 2016 won the best poster award. We have also shown that having a high number of sons more negatively influenced a mother's self-rated health in older age than having a high number



M. Klimek with the award from the DOHaD Australia and New Zealand Society



U. Marcinkowska with the awarded poster at the annual meeting of the European Human Behavior and Evolution Association in London

of daughters (published in *The Journals of Gerontology Series A Biological Sciences and Medical Sciences*). This observation could result from the fact that sons are more energetically demanding during pregnancy and lactation, and have a stronger influence on the maternal immune system than daughters.

Ongoing projects

Currently, supervised by Dr Marcinkowska, we are exploring the relationship between reproductive hormone levels and sexual selection in women. Evolutionary psychologists proposed 'the ovulatory shift hypothesis' stating that women's preferences for masculine men are related to the probability of conception. Our study did not provide any support for this hypothesis (the results published in *Psychoneuroendocrinology*). Neither did we find cyclical fluctuations in women's preferences towards men's facial hirsuteness (published in *Hormones and Behaviour*) nor did we confirm that changes in hormone levels influence women's preferences for symmetry and masculinity (published in *Hormones and Behaviour*). Our studies, in contrast to most research on mate preferences, are based on solid measurements of the levels of reproductive hormones. Last year, Dr Marcinkowska received a New Investigator award given annually to the most promising new researchers from the field of evolution and human behaviour, and was invited to deliver a plenary talk at the annual European Human Behaviour and Evolution Association conference in Paris. She will continue her work on sexual selection as a Fulbright Senior fellow at Yale University, USA.

The project on *Early-life environment, fertility and reproductive success in two European populations* led by Dr Ilona Nenko is to comprehensively test early-life environment and its effect on fertility and, ultimately, reproductive success. It is known that in humans, a poor early-life environment increases the risk of dying from infectious diseases during early adulthood and elevates the risk of many late-life diseases (e.g. obesity, cardiovascular

diseases, diabetes). It is also suggested that early-life conditions impact lifetime reproductive success and longevity. However, no comprehensive assessment of effects of early-life environment on reproductive success in humans has ever been conducted. We will use data from two European populations. We will take advantage of the unusually detailed records available from a Polish rural population (spanning from 1782 to modern times) and Finnish pedigree and reproductive data across 15 complete generations living in eight ecologically and sociologically different areas since the early 18th century (in collaboration with Prof. Virpi Lummaa from the University of Turku, Finland).

Prof. Jasieńska is leading a project investigating how much physical activity a woman with a particular developmental 'experience' should do in order to reduce levels of sex hormones,



U. Marcinkowska giving a plenary talk at the annual European Human Behavior and Evolution Association conference in Paris

improve immune response and achieve beneficial changes in body composition. It is very well established that physical activity reduces the risk of breast cancer in women. Many studies documented that women who are physically active have a lower risk of breast cancer, mostly because activity reduces levels of reproductive hormones (e.g. oestrogens). This knowledge is of great importance because out of all recognised breast cancer risk factors (e.g. genetics, age at menarche, age at the first birth and menopause, parity, breastfeeding) there are very few risk factors that are truly and relatively easily modifiable. Out of these modifiable risk factors, physical activity has the greatest potential as a breast cancer risk reducing intervention. However, despite extensive research, it is not clear how much reduction of breast cancer risk can be expected from increased physical activity, as studies show that physically active women have between 20 to 80% lower risk. We suggest that these differences in risk reduction are due to a variation in conditions that women experience during their foetal and childhood development. Developmental conditions 'programme' the reproductive physiology and change its response to physical activity during adulthood. Results of our study will be important for designing more effective, individualised recommendations for breast cancer prevention. We believe that a one-size-fits-all prevention strategy is an outdated concept and should be replaced by a strategy that takes into account comprehensive knowledge. This knowledge should be based on the theoretical framework of the life-course approach

suggesting that physiology, health and disease risk are affected not only by lifestyle during adulthood, but also by foetal and childhood experience. The results of this project will contribute to the development of such a strategy and thus will be important for health improvement in women. One of the most promising issues is the possibility to personalise the physical activity recommendations in relation to conditions experienced during early development that change how physiology and metabolism function throughout adult life.

Human life is strongly influenced by the environment in which we are living. Air pollution is a serious problem in Poland, and Kraków in particular. The negative influence of environmental pollution on the respiratory system is well established, especially for people with bronchial hyper-reactivity. However, the impact of air pollution on the quality of life of asthma patients is not well understood. This motivated Dr Monika Ścibor to analyse the influence of air pollution on the self-assessed quality of life of patients with bronchial asthma in her latest project.

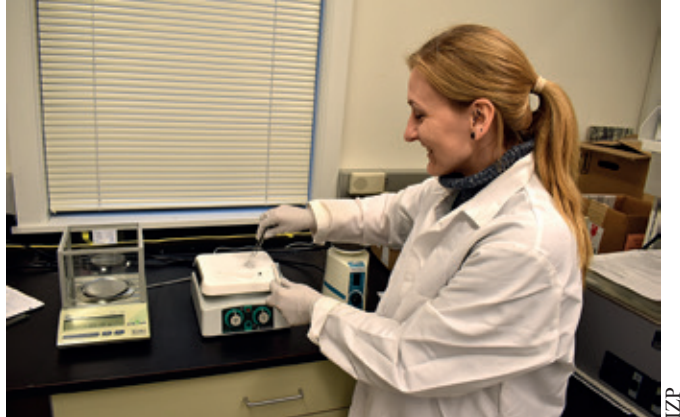
International collaboration

The team has collaborated with numerous international universities. Over the years PhD students from Harvard University, Yale University, the University of Illinois, the University of New Mexico and University College London collaborated with us conducting studies at the Mogielica Human Ecology Study Site. Our projects investigated the composition of human milk, testosterone levels in men or factors that influence women's fertility.

Furthermore, scientists from our Department conducted research at foreign universities. Dr Nenko worked as a post-doctoral research associate in Prof. Lummaa's group at the University of Sheffield. The fellowship was funded via the programme *Mobilność Plus* from the Ministry of Science and Higher Education. Dr Nenko worked on the Finnish parish data combined with environmental data and explored how access to resources impacts the timing of the first birth and how early-life reproduction is related to later-life survival (both studies published in *Proceedings of the Royal Society: series B*). The fellowship gave her an exceptional experience of working in a multinational research group and enriched her perspective on life in academia.

Magdalena Mijas, a PhD candidate supervised by Prof. Jasińska, has been awarded a Fulbright Junior Research Award to advance her doctoral project on health determinants among sexual minority men. Currently, she is working with Prof. Richard Bribiescas at the Yale University Department of Anthropology. This project examines associations between perceived exposure to minority stress and long-term changes in the dynamics of hormonal stress response as reflected by hair cortisol concentrations.

Thanks to the Erasmus+ funding, Dr Klimek had an opportunity to establish collaboration with Prof. Jonathan Wells (University College London, UK) and Prof. Paul Shiels (University of Glasgow, UK). Both visits resulted in preparing a research project, now submitted to the National Science Centre. The aim of the study is to examine the relationship between biological ageing in three generations, with effects of possible epigenetic inheritance taken into account. This year Dr Nenko



M. Mijas, Fulbright Fellow, at the Reproductive Ecology Lab, Yale University

visited Prof. Tessa Roseboom (University of Amsterdam, the Netherlands) – an internationally recognised specialist of Early Development and Health, while Dr Galbarczyk visited Prof. Minna Lyons (University of Liverpool, UK). The visits were exceptional experiences and chances for establishing interesting research collaboration.

Prof. Jasińska has also had significant experience conducting research at international institutions. She received her PhD from Harvard University and worked there for two years as a post-doctoral fellow. She received fellowships from the Radcliffe Institute of Advanced Studies and the Research Council of Norway, and was appointed as a Senior Research Scientist at Yale University. These research stays resulted in many publications, including her book *The Fragile Wisdom. An Evolutionary View on Women's Biology and Health* published by the leading academic publisher Harvard University Press. Her work was recognised by many international organisations that invited her as a plenary speaker. Most recently she has given plenary lectures at international conferences of the Polish Society for Human and Evolution Studies, the International Society for Evolution, Ecology and Cancer, the Swiss Association for Science Journalism, the European Human Behaviour and Evolution Association and the Nordic Evolutionary Psychology. She has also been invited to talk about her research conducted in Poland at many international universities, including Arizona State University, the University of Michigan, Harvard University, Yale University as well as Deakin University in Australia.

Finally, we would like to express thanks to our colleagues: Magdalena Klimek, Urszula Marcinkowska, Magdalena Mijas, Monika Ścibor and Andrzej Galbarczyk for their contributions to this article.

www.evoecogroup.wordpress.org

FB: Human Evolutionary and Reproductive Ecology

Twitter: @EvoEcoGroup



I. Nenko and T. Roseboom during an Erasmus+ visit to the University of Amsterdam

From an ex-native speaker - a return to Kyiv

Ramon Shindler

Institute of English Philology

I have a recurring daydream. I am walking across a field somewhere in Eastern Europe. It could be Poland, Ukraine, Belarus or Russia. I look up and see some people, making their way towards me. I can see that it is my grandparents making the journey the other way. Even though they are young, and I am now the age they were when I was a child, we instinctively recognise each other.

"What are you doing here?", they ask.

"I live here". I reply.

"We're taking all this trouble to get out and you came back!" they say in amazement. "Are you *meschugge** or what?"

They ended up in London, where I was born. And so I am a native speaker of English. Or as I sometimes joke, I used to be. I've been away a long time. Most of my life. Teaching this language has become my passport to jobs in many countries, including France, Sweden, Germany, Spain, Argentina, Poland, Belarus, Kosovo and Scotland.

In 1983 I live in a country which no longer exists, the Soviet Union. Teaching at the University of Yerevan in Soviet Armenia. There is an Aeroflot (what else?) flight once a week from Yerevan to Odessa. I take it to visit a friend. My first visit to Ukraine, then also a Soviet republic. I visit the Potemkin steps and remember the pram in the great film by Eisenstein.

Fast forward to 1993 and I am back in Ukraine. Independent Ukraine. I am there to set up the British Council centre for teachers in Lviv. It is shortly after the break-up of the Soviet empire. There was a difference between the end of communism in Poland and in the Soviet Union. Poland had set the ball in motion. They took the old system into the back yard and put it out of its misery. In Ukraine it was as if a tyrant grandparent had passed away in the night. One who they loved,

hated and feared in equal measure. Who had always told them what to do. And what not to do. And now that person was gone.

I stay for three years. Running workshops for teachers every week. Going to schools and universities all over Western Ukraine. Working with wonderful people. When I leave Lviv I leave a little bit of my heart there. And take a little bit of Lviv in its place. It is there to this day.

Two weeks ago I was fortunate enough to find myself in Kyiv, some twenty years after my last visit.

Part of a bilateral exchange between the Jagiellonian University and Taras Shevchenko University. I have classes with language students and their teachers, and we enjoy ourselves immensely. I spend a lot of time walking around the city, one of my favourite pastimes. Khreshchatyk is the main street in Kyiv, its Oxford Street, its Fifth Avenue. I love the name, the way it sounds. The announcer on the metro: *nastupna stantsiya, Khreshchatyk - next station, Khreshchatyk*. Most days I go to a cafe there. Drinking tea I look out over Maidan. So peaceful. People doing what people in all capital cities do. Impossible to imagine what happened there just five years ago. I meet two students dressed as pandas. Having fun like students everywhere. They are Ukraine's future.



R. Shindler

An encounter with a panda on Khreshchatyk

I have spent much of my life in this part of the world, in places like Kyiv. Am I *meschugge*? Probably. And I'm glad that I am.

After a class with Ukrainian students



TSU

* Yiddish for crazy+++. I love the word, the way it sounds.

Collaboration with

Roswell Park Comprehensive Cancer Center

Carlos Panek Soares de Araujo
International Relations Office

On 30 October 2018, the Jagiellonian University hosted representatives from Roswell Park Comprehensive Cancer Center, an American institution focused on cancer-related research, one of the top ranked institutions of its kind in the United States. The delegation, headed by Dr Kunle Odunsi, Deputy Director, consisted of Dr Pawel Kalinski, Dr Danuta Kozbor and Agnieszka Witkiewicz, MD. During the visit a Memorandum of Understanding between the Jagiellonian University and Roswell Park Comprehensive Cancer Center was signed.

The Center is America's first solely oncology oriented complex which dates back to 1898 and is based in Buffalo, NY. Their activities concern research, clinical treatment and education of professional physicians and nurses as well as students. Within the multi-cultural staff of the Center, there are several Polish prominent researchers and medical doctors: Kalinski, Kozbor and Witkiewicz. The American guests were accompanied by Senator and Minister Anna Maria Anders, Secretary of State and Plenipotentiary of the Prime Minister for International Dialogue. Senator Anders played a major role in communication between the Jagiellonian University and the Center. It is worth mentioning that Senator Anders was born in London to the Polish-war hero General Władysław Anders, and since 2016 has been the representative of the Prime Minister for International



S. Kistryn and K. Odunsi signing the agreement

A. Koprowski

Dialogue overseeing the development of international co-operation.

The meeting at JU began with the ceremonious signing of the Memorandum that aims to establish an exchange programme for both staff and students as well as conducting joint research on oncological topics. After the document had been signed, opening remarks were delivered by the JU Vice-Rector for Research and Structural Funds Prof. Stanisław Kistryn, the JU Rector's Proxy for Research and Development at the Medical College Prof. Marek Sanak, as well as the Center's Deputy Director Dr Odunsi and Senator Anders.

The second part of the meeting consisted of brief presentations and discussions conducted by the representatives of the Center, the JU Collegium Medicum and the JU Faculty of Biochemistry, Biophysics and Biotechnology academic staff, the chairman being Prof. Marek

Sanak (CM), the Dean Prof. Stanisław Madeja, and Vice-Dean for Research and International Relations Prof. Jolanta Jura from the Faculty of Biochemistry, Biophysics and Biotechnology. The main topics of discussion were matters related to scientific collaboration, student education, physicians' and laboratory researchers' training, joint clinical experiments initiated in Roswell Park Comprehensive Cancer Center, and opportunities for oncological second opinions in clinical cases.

Finally, the agreement between Roswell Park Comprehensive Cancer Center and the Jagiellonian University, in particular the Medical College and the Faculty of Biochemistry, Biophysics and Biotechnology, will contribute to the development of the JU scientific collaboration with North America, which now embraces 30 institutions (universities, colleges and research institutes).



All the participants of the meeting in Collegium Novum



M. Sanak, S. Kistryn, A. M. Anders, K. Odunsi

90th Anniversary of the International Office of the University of Cologne

Countdown to 100. Lessons from the Past and Visions for Tomorrow

Maria Kantor

International Relations Office

On 12 September 2018, I participated in a special event organised at the University of Cologne – the 90th Anniversary of its International Office, during which I represented the Jagiellonian University as one of the longstanding partners of the University of Cologne.

The solemn ceremony gathered the authorities of the University of Cologne, representatives of the German Academic Exchange Agency (DAAD), the Alexander von Humboldt Foundation, the German Rectors' Conference, representatives from its partner universities, including JU, Radboud University Nijmegen, KU Leuven, Aristotle University of Thessaloniki, Keio University, the University of New South Wales as well as the heads of UoC Regional Offices in New York, New Delhi and Beijing. There was also a video chat with the University of Cape Town. The anniversary was organised by Dr Stefan Bildhauer, Head of International Office, and Dr Johannes Müller, Head of the Cologne Global Study Programme. The latter wrote a book in German entitled 'The History of the International Office of the University of Cologne 1928-2018,' which he presented during the meeting and handed copies to the participants.

The theme of the celebrations of the 90th Anniversary of the International Office was *Countdown to 100. Lessons from the Past and Visions for Tomorrow*, which made UoC reflect on and evaluate its achievements, and at the same time think of future development. Founded in early 1928, the International Office (Akademische Auslandsstelle) was one of the first university-based international offices in Germany. Since then it has provided support and assistance to scholars and students from all over the world. After World War II, it developed and launched numerous

The main building of the University of Cologne

initiatives: the first courses of German for foreigners (1953), the mobility within the Erasmus Programme (1987), guidelines for internationalisation (2005), the Welcome Centre in Beijing (2007), an international office in Delhi (2008), Introduction to Studies for International Students (2009), an international office in New York (2010), strategy of internationalisation (2013) and International Guides for Administrative Staff (2018).

These hallmarks of the UoC International Office were mentioned during the anniversary event. It was divided into two parts. The first one included a prelude (a short concert of Duo Aken 2, a German-Colombian duet of cello and piano, playing *Le Grand Tango* by Astor Piazzolla), welcome speeches, roundtable discussion on the vision of the International Office in the next ten years, and two 'history slams.' The other part was a 'review of internationalisation' consisting of life talks, a video chat, interviews, a video conference, a video clip, a talk round, a crowd-in and a group picture. The crowd-in was the presentation of several international students of the University of Cologne. The live talks were given by the representatives of the Global Network Partners and the European Partner Network of UoC. The latter included me and Eleni Baxevanidou from Aristotle University of Thessaloniki. We presented the past and future activities with the University of Cologne. The video conference concerned the forthcoming intercontinental joint lecture series 'Getting old and even older' with Keio University. The video clip presented the Cologne Global Study Programme, while the talk round was a



International scientists of the University of Cologne



J. Müller interviewing E. Baxevanidou and M. Kantor

debate between the representatives of the UoC's Regional Offices.

These activities conducted during the almost 3-hour anniversary event gave an excellent, multi-dimensional, colourful and extremely interesting show that reflected the past and visions for the future of the International Office. Furthermore, it was a dynamic countdown launching the next decade of the UoC international activities.

Finally, a few words about the collaboration between the Jagiellonian University and the University of Cologne. The agreement of scientific co-operation between our universities was signed on 1 December 1987, and so we celebrated 30 years of continuous collaboration in the 2017/2018 academic year. Over these years, the partnership and friendly relationships between our universities embraced numerous projects and mobility of both academic staff and students in the field of law, chemistry, physics, sociology, archaeology, history of art, musicology, botany, Jewish studies, philology: English, German, Classical, Slavonic, as well as the university libraries and artistic ensembles.



M. Kantor and E. Baxevanidou in front of the main building of the University of Cologne

Boosting services for JU international visitors

Sabina Żyłka

International Students Office

The JU International Visitors' Office (IVO) was created in 2017 to meet the challenges related to the rapidly growing number of international researchers and academics coming to JU and their needs for professional support services. Since its beginning, the Office has functioned as a point of contact both for JU guests and their host units. Its staff members have closely co-operated not only with other JU units supporting international staff, such as the HR Office and the Małopolska Centre of Biotechnology (MCB), but also with external entities, including the Małopolska Provincial Office, the Polish Border Guard and the consulates located in Kraków.

IVO services

The International Visitors' Office has a wide range of responsibilities regarding international guests at JU. It provides general information, advice and support related to visas, the legalisation of stay (residence permits) and the visitors' appointments with the local authorities. Moreover, IVO is a point of contact for queries about everyday life and work-related issues at JU and in Poland.

International visitors use the IVO webpage where they can find general advice, useful links, important contacts, etc. Furthermore, they can read our Welcome Guide available on the website and in paper version. Upon arrival they receive Welcome Packs. During their stays at JU they are invited to participate in various academic events as well as excursions.

International visitors

The Jagiellonian University draws visitors from different corners of the world. The aims of their visits vary a lot. They come within work contracts, the Visiting Professorship, freelancing work, bilateral exchange or research projects. Since January 2018, the International

Visitors' Office has registered 227 guests from 44 countries, including Brazil, China, Colombia, France, Germany, Hungary, Japan, Spain, Norway and the USA. They have conducted research and teaching at various the JU faculties. The most often visited faculties were: the Faculty of Philology, Mathematics and Computer Science, Law and Administration, International and Social Communication and History.

WelcomeJU project

In order to develop our welcome service competences, the International Relations Office submitted an application for funding a project called 'WelcomeJU' within the call 'Welcome to Poland' launched by the Polish National Agency for Academic Exchange (NAWA). We are glad to have won funding for our initiative.

The WelcomeJU project is to enhance the university administrative officers' competences regarding receiving and supporting international visitors and to develop 'internationalisation at home.'

The project planning activities include language courses, workshops on communication and social competences as well as on legal matters. A new welcome guide and English versions of the JU websites, platform, the Work Safety Regulations (BHP) and other important documents will be prepared. What is more, those JU administrative officers who deal with international visitors, education and exchange can participate in short working visits to different universities that have welcome centres. Meeting their colleagues, they will discuss views and ideas concerning welcoming services, drawing inspiration from their experiences.

All of the activities undertaken by the International Visitors' Office aim at making the Jagiellonian University an attractive, well-organised place of work and education and thus boosting the university's competitiveness in the field of international education in the epoch of breaking barriers and integration of the whole world.

Jagiellonian University going great guns in Latin America

Carlos Panek Soares de Araujo

International Relations Office

In recent years the Jagiellonian University has undertaken the challenge of developing its network of collaboration with universities in Latin America.

The continent of South America, although dominated by the Spanish language, is extremely diverse. Geographically, it has high mountains as the Andes, tropical forests like the Amazon rainforest and even deserts like the Chihuahuan Desert in Mexico. Historically, it was settled by the Incas, the Tupis, the Aztecs and numerous other indigenous people who during the age of discovery saw the arrivals of the Spanish, Portuguese, French, Dutch and British.

The diverse area, divided into South, Central and North America, embracing 26 countries, constitutes a unique academic environment: ranging from fields in the humanities, through biological, medical and exact sciences.

The Jagiellonian University spread its wings into the tropical horizons already in 2002 when the JU Museum of Zoology signed the first agreement with the National University of San Marcos, Peru. In the same year, the Institute of Zoology started co-operation with the Pontifical Catholic University of Quito, Ecuador. Within the following three years, four more agreements were signed with Latin American institutions until it went on hiatus for a decade.

Since 2015, JU has worked intensively to broaden its contacts in Latin America and consequently, 12 new agreements have been finalised, half of them being signed in 2018. So JU has become partners of such prestigious institutions as the National Autonomous University of México, the National University of Colombia and the Federal University of Paraná in Brazil. They envisage the exchange of students on the Bachelor's, Master's and PhD level, as well as academic staff.

It should be noted that the JU co-operation with Latin America has been very popular with students. Some of them have already made one step forward in their careers and life experience and decided to study in Mexico, Peru, Brazil, Chile and Argentina.



UNAM

The National Autonomous University of México

In the 2016/17 and 2017/18 academic years, four students from JU profited from the long-term exchange programmes with Latin America. In the current academic year, their number has almost tripled. Eleven students have decided to pursue study programmes: four in Mexico, three in Peru, two in Colombia as well as one in Brazil and Argentina. For the first time we have a short-term exchange candidate to study in Brazil in the 2018/19 academic year.

The majority of participants and applications for the JU exchange programmes with for Latin American countries come from the humanities. They are mainly Spanish philology students who seek the unmatched experience of studying in a Spanish-speaking leading university, and archaeology students who go to the Americas to enhance their knowledge of the pre-Colombian civilisations. For the winter semester, we are sending two students to Peru and Argentina, as well as one PhD student to Mexico.

Currently, the JU International Relations Office is full steam ahead in order to increase and provide a wider offer of exchange programmes with Latin America. We are negotiating agreements with four institutions in Brazil, Mexico, Colombia and Uruguay. We try to reach further universities in this part of the globe. A visit of the JU authorities to Colombia and possibly other countries in South America is planned in spring 2019.

An important step in the efforts undertaken by the Jagiellonian University to broaden its co-operation with universities in Latin America was the creation of the Mexican Studies Centre at JU and



Z. Ogorzewska



The Pontifical Catholic University of Peru

List of universities in Latin America with which JU has signed bilateral agreements	
COUNTRY	UNIVERSITY
Argentina	National University of Santiago del Estero
Argentina	National University of San Martín
Brazil	Federal University of Paraná
Brazil	Federal University of Santa Catarina
Chile	Pontifical Catholic University of Chile
Chile	University of Concepción
Colombia	National University of Colombia
Ecuador	National University of Chimborazo
Ecuador	Pontifical Catholic University of Quito
Ecuador	University of San Francisco, Quito
Mexico	The College of Mexico
Mexico	National Autonomous University of México
Peru	National University of San Marcos
Peru	Pontifical Catholic University of Peru



J. Bodenszac

The National University of San Martín

the Chair of Polish Studies at the National Autonomous University of México. It stipulates the exchange of visiting professors. The importance of this collaboration in the dissemination of Polish culture and language in Mexico is the fact that the idea was supported by the Charge d'Affaires of the Polish Embassy in Mexico Jadwiga Szpakowska.

Let us hope that JU academics and students will profit from these diverse ways of collaboration with Latin American universities, gaining valuable experiences and familiarising with different cultures. Thus the ties between Poland and Latin America will be considerably strengthened.



L. Steltano

Thanks to the Jeremy Króliczewski Fund four graduate students of the Jagiellonian University participated in the summer programmes organised at the University of Cambridge in 2018. Below are their reports.

Luiza Steltano, Faculty of Polish Studies

I took part in the Creative Writing Summer Programme on 5-18 August, choosing two courses: 'The art of craft and fiction I. Writing plot. What's the big idea?' and 'The art of craft and fiction II. Writing Character. Who and why?'

During the courses, participants were given writing tasks after the workshops. The first workshop focused on the theory of writing. Our papers written at home were read and discussed in the group. At first, the writing tasks were centred around the methods in which the plot of a story could be written and organised. Then the participants had to focus on the characterization and the ways in which a character could be portrayed. The review of the participants' works took up most of the morning and afternoon workshops.

Apart from that, we also took part in plenary lectures which focused on various aspects of writing. These lectures were delivered by different speakers and concerned different topics, ranging from punctuation to young adult fiction. Some focused on the practical side of the writer's job: editing and publishing, giving us insight into how the publishing industry works in the UK. Furthermore, as we listened to accomplished writers – the lecturers had their works published – we could ask them questions about their experiences, and they gave us advice regarding our own writing attempts. I found the plenary lectures to be the most informative part of the entire programme since both the speakers and the discussed topics were relevant and interesting.

We also had the possibility to attend the non-obligatory evening talks that covered a variety of different topics, many of which revolved around British literature and history, especially the Middle Ages. The summer programme was very intense and there was an excellent balance between theory and practice, which made it an excellent learning experience.

On 8- 28 July, I participated in the English Law and Legal Methods Programme organised at the University of Cambridge. I was glad to be accommodated in one of the oldest and most prestigious colleges – Sellwyn College Old Court.

I took part in a series of lectures and classes conducted by renowned and respected professors from Cambridge, aimed at familiarising the participants with the distinctness of the British common law system. The schedule was extremely tight; it usually consisted of a panel of 3-5 lectures and a seminar. In addition, there were evening lectures on various aspects of British history and culture. What was most important for me were the classes concerning Company Law, Contract Law, Civil Procedure, Private International Law, Law of Obligations, Constitutional Law and Commercial Law.

I had the great opportunity to talk to British eminent scholars, including Dr Roderick Munday, Dr Stephanie Palmer, Prof. Pierre Legrand, Prof. Andrew Tettenborn, Prof. Martin Dixon, Prof. Neil Andrews, Richard Hooley and Dr Pipp Rogerson. Moreover, I met Baroness Brenda Hale, President of the British Supreme Court, as well as Prof. Richard Fentimann, Dean of the Faculty of Law, University of Cambridge.

From the point of view of my legal specialisation, the most valuable seminars were private international law and company law conducted by Prof. Fentiman and Dr Felix Steffek. The former analysed the issues of the jurisdictional collision from the perspective of British law, and the extremely interesting institutions of the so-called anti-suit injunctions and freezing orders. The latter reflected on the meanders of British company law, which significantly differed from its continental counterparts with its liberalised approach to the issue of founder capital, insolvency, etc.

During the programme, I had full access to the resources of the Library in Cambridge and the Library of the Squire, which contained the best collections of legal and legal-comparative literature in the world. It allowed me to gain relevant literature and broaden my knowledge in the field of private international law and capital markets, especially in the context of my PhD thesis. It was in Cambridge that I managed to formulate the final theme of my doctoral dissertation.

Another important element of my stay in Cambridge was getting to know lawyers from around the world, including the USA, Canada, Australia, Germany, France or Norway.

To sum up, I regard my stay in Cambridge as one of the most successful study trips in my life. It allowed me to gain valuable practical and theoretical skills, explore the comparative aspects of private international law and company law as well as broaden scientific contacts and horizons.

Marta Dubowska, *Faculty of Polish Studies*

As a participant of the Literature Summer Programme, I chose to attend the following courses: ‘Henry James and the subjective adventure: *In the Cage* and *The Turn of the Screw*,’ ‘Three great British fantasists: Lewis Carroll, Mervyn Peake, J R R Tolkien,’ ‘The dramatic monologue in poetry: from Browning to the present’ and ‘Three great Young Adult fantasists: Pullman, Rowling, Nix.’ Moreover, I attended plenary lectures on the broad theme of ‘Influences.’ Each of the courses was a different experience for me: the course on Henry James taught me the ‘Cambridge method’ of analytical analysis of a novel and familiarised me with the life of this incredible writer. The dramatic monologue course put me in the unknown world of the Victorian poetry and gave me skills to read it comprehensively.

But the highlight of the programme was two courses on fantasy literature, given Prof. John Lennard. He spoke with passion, provoking long discussions and making us confront ourselves with our own opinions. He encouraged us to think innovatively.

Indeed, the passion of all the encountered teachers was palpable and made the participants feel almost obliged to pursue the taught subjects when the programme was over. Being a member of the college system, so unique at the University of Cambridge, was a wonderful experience – dining together and sharing with other students. Each evening we could take part in a rich cultural programme, for instance, I attended lectures on Macbeth or listened to the piano concerts. I established many relationships with our teachers and participants from such distant countries like India or China. I hope to visit them or host them in Kraków one day. All in all, my experiences at Cambridge were wonderful, formative, interdisciplinary and highly intellectual. They exceeded all my expectations, and I sincerely hope to come back there one day.

Magdalena Grab, *Institute of Physics*

During my stay at the University of Cambridge I focused on basic problems related to astronomy and Dark Matter search as my PhD research is devoted to the technical aspect of the latter. On a daily basis, I worked on low background detection, which is necessary for cutting-edge experiments like the DARKSIDE programme, where the expected signals are very weak and high radio-purity of materials are demanded.

Participating in the Science Summer Programme (‘Unveiling the Universe’) allowed me to broaden my previous perception of the Universe and gave me a better understanding of the Dark Matter problem. During my stay, I also attended plenary lectures that brought to light the following crucial issues for science:

- The Ethical Limits of Science – the moral aspect of using knowledge in science-related professions, presented by Dr Richard Jennings,
- A Lab of One’s Own: science and suffrage in the First World War, lecture related to the book written by Dr Patricia Fara given by the author itself; putting forward the history of women in science,
- The Naked Mole-Rat: blind and naked, but oh so cool – casebook of scientific curiosities about naked mole-rats which are broadly used by neuroscience and pharmacology related research (Dr Ewan St John Smith),
- The Origins of Stonehenge: new discoveries and perspectives – talk given by Prof. David Jacques,
- Why do We Communicate Science? – lecture putting a question of scientists’ motivation for sharing their research to society presented by Dr Jane Gregory,
- General Relativity and Gravitational Waves – fascinating speech given by Prof. Malcolm Longair.

The main course I attended was conducted by Dr Robin Catchpole who gave a review of the following astronomical issues:

- Models of the Universe – possible options and characteristic features of them,
- Black holes, their nature and evolution, gravitational effect and density, interactions with other celestial bodies,
- The history of the Universe/Life on Earth/Evolution of Life presented chronologically,
- Dark Matter issues including indirect evidence such as gravitational lensing, velocities of galaxies, optical vs. X-ray spectra, the cosmic microwave background,
- Composition of the baryonic matter in the Universe expanded to the description of birth and death of the stars,
- Global warming and solar effects, vacuum energy of the Universe and gravitational waves,
- Life in the Universe – consideration on Life existing beyond our planet.

Visiting the Venice of the North

Lukasz Byrski

Institute of Religious Studies

Saint Petersburg, called 'Venice of the North,' is known as the cultural capital of the Russian Federation. Countless bridges and buildings reminding the monumental structures of ancient Rome and Greece are the trademarks of the city. Saint Petersburg is also a city of numerous fantastic museums and art galleries, including the second largest art museum in the world – the State Hermitage Museum, comprising over three million items and the largest collection of paintings in the world.

Saint Petersburg, like the whole of Russia, is known for its hospitality. During my research stay at Saint Petersburg State University I experienced great kindness from all those who I met there. It was a great pleasure to work in such conditions, and my research stay in Saint Petersburg can be counted as was one the most fruitful ones. Naturally, my seven-day stay was not long enough to meet all of those scholars I wanted to consult. All in all, I'm satisfied with the results of my visit.

While staying in Saint Petersburg I focused on the ancient Egyptian sources. I also found numerous Egyptian materials in the State Hermitage Museum and at Saint Petersburg State University. I started my research in the museum. There I met Prof. Andrey Bolshakov from the Department of History of the Ancient East Countries of Saint Petersburg State

University, who beside discussing the subject of my doctoral dissertation with me, handed me his book and gave me a guided tour of the Hermitage Egyptian Collection of which he was the curator. He also invited me to his public lecture



L. Byrski

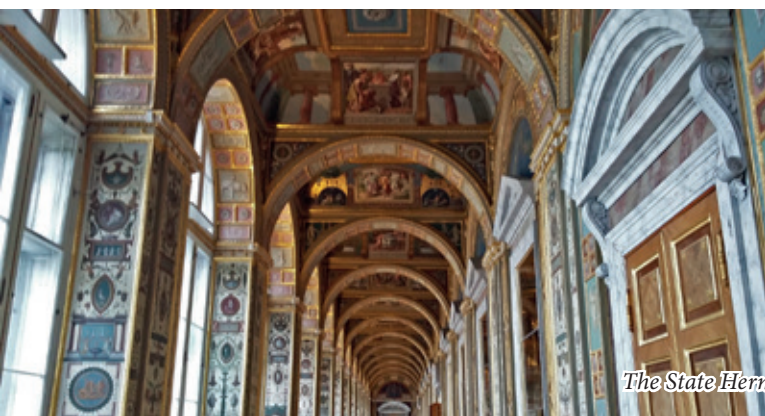
about ancient Egyptian culture, which I attended a few days later.

Prof. Bolshakov helped me contact Prof. Olga Vasilieva, curator of the Oriental and Egyptian Collection of the Pushkin State Museum of Fine Arts in Moscow. I wanted to consult her about

the ceramic bowl with an inscription written in the Egyptian hieratic script that might have been addressed to the deceased. This artefact was of particular interest to me since the subject of my dissertation is 'Between the Living, the Dead and the Gods – Writing as a Tool for Communication with the Underworld in Some Ancient Civilizations.' Thanks to Prof. Bolshakov and Prof. Vasilieva, I gathered new materials concerning the Egyptian sources, which I needed for my project.

Prof. Elena Ostrovskaya from the Department of Theory and History of Sociology was my supervisor during my stay at Saint Petersburg State University. Her support was very valuable during my research stay. She evaluated my PhD thesis and gave me very useful and helpful information concerning the methodology in my dissertation. She also provided me with suggestions and contacts with other academics in Saint Petersburg and Russia who conduct research on Eastern Asian cultures, particularly China and Korea because some witnesses of these cultures are included in my research project.

Summing up, I would like to stress that my library and museum query carried out in Saint Petersburg allowed me to add bibliographic and visual materials that were needed for the completion of my PhD thesis. I was able to contact several Russian scholars. I hope that further collaboration with them will be possible.



L. Byrski



The State Hermitage Museum

Doctoral student mobility with the University of Novi Sad



Maria Kantor,
International Relations Office

In recent years, the Jagiellonian University has developed contacts with the Balkan universities, especially with the University of Ljubljana, Slovenia, the University of Sarajevo, Bosnia and Herzegovina, and the University of Novi Sad, Serbia. We hosted delegations from these universities in July 2018. During the meetings, various possibilities of collaboration were discussed and proposed.

One of them was the invitation for ten doctoral students from the University of Novi Sad to do research in the JU laboratories. The initiative followed the agreement between our universities that was signed in 2017. The doctoral students, selected by the home university, conducted research in the laboratories located in three units: the Faculty of Chemistry, the Faculty of Biochemistry, Biophysics and Biotechnology as well as the Małopolska Centre of Biotechnology in October 2018.

Thus we hosted three students from the Faculty of Technology of the University of Novi Sad. **Milica Perović** spent two weeks at the JU Department of Analytical Biochemistry, headed by Prof. Andrzej Kozik. She was trained in the methods of isolation and purification of cell wall proteins and acquired basic skills in advanced protein chromatography and standard polyacrylamide gel electrophoresis. As she reported, 'This collaboration was of huge significance, and I would recommend it to all PhD students to participate in this helpful and worthy research stay.'

Another Serbian student, **Sandra Bulut**, underwent training in the JU Laboratory of the Nanotechnology of Polymers and Biomaterials Group, Faculty of Chemistry, under the supervision by Prof. Anna Karewicz. 'I got the chance to meet great people who were willing to share their knowledge, answer all of my questions, show different methods and equipment that can help me develop my doctoral thesis. [...] 'They were also willing to help me to get around Kraków, try traditional food, drinks, cakes, do the 'Polish' things, so I felt like a resident, not a tourist, and definitely, I have fallen in love with this city,' wrote Sandra.

Milana Pribić from the Faculty of Technology, did research in the Department of Plant and Molecular Biology, Małopolska Centre of Biotechnology, hosted by Prof. Kenji Yamada, where she learned about plant molecular and cellular analyses. For two weeks, she worked on *Arabidopsis thaliana* plant preparation aseptically in agar plate, confocal microscope laser scanning microscope observation of *A. thaliana*, seeding and embryo, woodlice – two choice experiment, SDS-PAGE, immunoblotting, RNA Isolation and qRT-PCR from *A. thaliana* seedling, DNA isolation and PCR genotyping, gateway cloning technique, as well as bacteria culture and plasmid isolation. She informed her colleagues at MCB about the University of Novi Sad and its capacities and opportunities for undergraduate, master and doctoral studies, hoping for future co-operation and exchange of teaching staff and students.

During her research stay at the Department of Comparative Biochemistry and Bioanalytics, JU Faculty of Biochemistry, Biophysics and Biotechnology, **Jelena Perović** had the opportunity to get acquainted with various methods: vitamin separation by HPLC-DAD and HPLC-FLD, advanced protein ion exchange chromatography, polyacrylamide gel electrophoresis. 'I gained valuable experience and improved my research work skills. My colleagues from the department and my tutor Asst. Prof. Maria Rapala-Kozik were very kind, helpful and willing to transfer their knowledge.'

Danijela Arsenov from the Faculty of Sciences worked at the Department of Plant Physiology and Biochemistry, JU Faculty of Biochemistry, Biophysics and Biotechnology, under the supervision of Asst. Prof. Dariusz Latowski. Her research focused on plant response to heavy metals stress. 'Through this mobility, I improved my laboratory work and upgraded general knowledge in the field of my interests. In general, it was a great experience for me as a young scientist to meet great experts in the field of plant physiology and to gain international experience. Moreover, it was an occasion to make contacts for future scientific work, to learn about Poland's culture and history.'

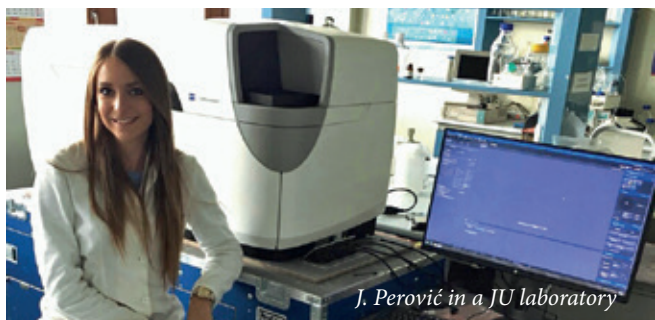


On the JU new campus

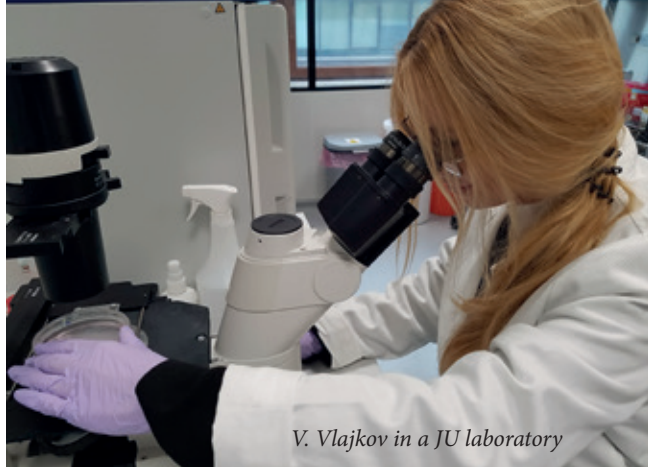
Miloš Ilić from the Faculty of Sciences, Department of Biology and Ecology, realised his research mobility at the Department of Plant Biotechnology, Faculty of Biochemistry, Biophysics and Biotechnology, in the laboratory of Prof. Halina Gabryś. 'My work focused on fluorescence and confocal microscopy techniques. I was also included in the standard laboratory work. Members of my laboratory showed me their main research topics. Further, I visited the Institute of Botany, and the Herbarium of the Jagiellonian University and became familiar with its research topics and structure, which is important to my research interests and perhaps to future co-operation. I have improved my laboratory work and deepened knowledge on different topics, which I can apply in my future study. My visit was a great opportunity to share my scientific experience with colleagues from JU.'

During his stay at the JU Laboratory for Forensic Chemistry, **Boško Marić** from the Institute for Food Technology became acquainted with various methods: HPLC-DAD, HPLC-FLD, HPLC-MS, Electrophoresis, CE-MS, as well as gained experience and improved his research work skills. His laboratory research was supervised by Asst. Prof. Renata Wietecha-Posłuszny, Faculty of Chemistry.

Igor Medic from the Department of Chemistry, Biochemistry and Environmental Protection, was hosted by Asst. Prof. Waław Makowski from the JU Department of Inorganic Chemistry, Laboratory for Catalysis and Solid State Chemistry. 'The aim of my research stay was to get acquainted with the theoretical and practical aspects of measuring techniques used in the host laboratory as well as assessing the possibility of their application on carbon-based nanomaterials (graphene, graphene oxide). The research stay itself was divided into two parts. In the first week, I got acquainted with the theoretical aspects and practical work on the quasi-equilibrated temperature programmed desorption and adsorption (QE-TPDA) instrument, while during the second week I dealt with the thermos-desorption and practical work on the differential scanning calorimeter (DSC).'



J. Perović in a JU laboratory



V. Vlajkov in a JU laboratory

Vanja Vlajkov spent two weeks at the Małopolska Centre for Biotechnology, in the Laboratory of Stem Cell Biotechnology, led by Prof. Ewa Zuba-Surma. 'Team support was a crucial factor in gaining knowledge in this field so efficiently and effectively over these short two weeks. Coming from a background of a biochemical engineer, it was interesting to see biotechnology from some completely different aspect and be part of it. Generally speaking, the Polish research environment itself was different from the environment I have known in Serbia, and it was very valuable in my development as a researcher to see the pros and cons of both systems. For example, I could learn a lot about how to efficiently organize a research lab. I also have to mention that Krakow is a really nice city with a great offer for the young population. Conducting my research over the sunny autumn weeks, I could enjoy beautiful afternoons after work and during the weekends I explored the local beauties of Kraków.'

Finally, **Stefan Vukmanović** spent two weeks in the Małopolska Centrum of Biotechnology under the supervision of Prof. Jonathan Heddle in the DNA origami research group. 'My stay in Kraków was very interesting, both professionally and privately. I learned a lot regarding the DNA manipulation techniques. I saw how the manipulation offers endless possibilities for the creation of new products. Also, I had the opportunity to get to know many advanced and useful methods that I can use in my further work. All of the colleagues were very helpful and friendly. Kraków is a wonderful, vibrant city, full of great places to spend free time, as well as places to learn about Poland's history and culture. It was a great experience, which I can recommend to everyone.'



In the Main Market Square in Kraków

MA Comparative Heritage Studies: *heritage lived, interpreted and defined*

Gala Lochekhina

Faculty of Polish Studies

In 2007, the Jagiellonian University Faculty of Polish Studies established the Centre for Advanced Studies in the Humanities (CASH) as a research and teaching unit. It aims at transcending borders between disciplines, countries and languages by creating a meeting place in Kraków for international scholars dealing with the humanities. It is the first research centre of its type in Poland, following the example of the best institutions in the world.

Therefore, CASH detaches itself from the strictly disciplinary and thus restricted (and inefficient as shown by international practice) teaching model. It offers an up-to-date research and teaching programme focused on Polish culture taught from the wider context of the humanities and world culture. By placing Polish culture in this context, it introduced it into the mainstream of international academic pursuit.

In the 2018/19 academic year, together with the Faculty of Polish Studies, CASH launched a new two-year programme – MA Comparative Heritage Studies (COHES), taught in English, with a strong focus on the Polish heritage. The programme offers a wide range of knowledge on cultural heritage in literature, art, theatre, architecture, urban space and sites of memory, particularly those found in Kraków and inscribed on the UNESCO World Heritage list. It focuses on the multi-ethnic, multinational, multilingual nature of heritage, approaching it from three angles: Digital Heritage, Visual Heritage as well as Comparative and Translated Heritage. Consequently, its graduates can broaden their understanding of the dynamics shaping heritage in the contemporary world, both in symbolic and material terms. They are taught to use interdisciplinary tools in a critical and comparative way, which can help them work in a multilingual and multicultural environment.

Dr Tomasz Bilczewski, the COHES director says, 'We have decided to create a new formula for academic interests. The programme creates the chance to obtain some background to study heritage in a comparative way. Our extremely successful recruitment for the programme shows its future potential and high interest among students in the heritage sector.'

Additionally, the MA programme is tuition free for those students who have enrolled this year. The international students also receive scholarships based on their educational results and high motivation for academic achievements. For the first time, since the establishment of CASH, foreign students were offered financial aid.

Currently, there are twenty-four students from twelve countries (China, Ethiopia, Japan, Kazakhstan, Mongolia, Pakistan, Poland, Russia, Saudi Arabia, Turkey, Ukraine and the USA) enrolled in the programme. *I applied because I thought that the programme was interesting and new. Only later on I found out that I had received a scholarship. It was a very nice surprise,* says Urfa Ghazanfar, a student of COHES from Saudi Arabia.

As for me, born and raised in Arkhangelsk, Russia, the charming city of Kraków became my second home some time ago. My professional and personal experience from living in different countries made me realise that I would like to find myself in a cultural sector. For me there was no better place than Kraków to strive for professional and personal success in the culture related area.

The programme offered by the Centre for Advanced Studies in the Humanities (CASH) of the Jagiellonian University gives a unique opportunity for foreigners and locals to gain in depth knowledge of Polish culture and practice to research it. The immersive and comparative contact with heritage can turn out to be a far more reaching method of expanding Polish culture worldwide than it might appear at first.



In the courtyard of the Wawel Castle

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The Jagiellonian University is involved in various international co-operation activities, including research and educational projects, faculty and student exchange within bilateral agreements, Erasmus+ and SYLFF, summer schools, networks, innovation and technology transfer as well as different scholarship schemes.

1 RESEARCH

Małopolska Centre of Biotechnology (MBC)
comprising 7 research centres and 2 laboratories:
• Max Planck Society • Le Centre national de la recherche scientifique
National Synchrotron Radiation Centre SOLARIS
Jagiellonian Centre for Experimental Therapeutics
Jagiellonian Centre of Innovation; Life Science Park
1,580 research projects, including 86 international projects in 2017

2 VISITING PROFESSORSHIP & INTERNATIONAL TEACHERS

Visiting Professors' Office: information, advice, support
86 visiting professors in 2014-2017
39 visiting professors in 2018
48 applications accepted for 2019
91 foreign academic teachers from 39 countries

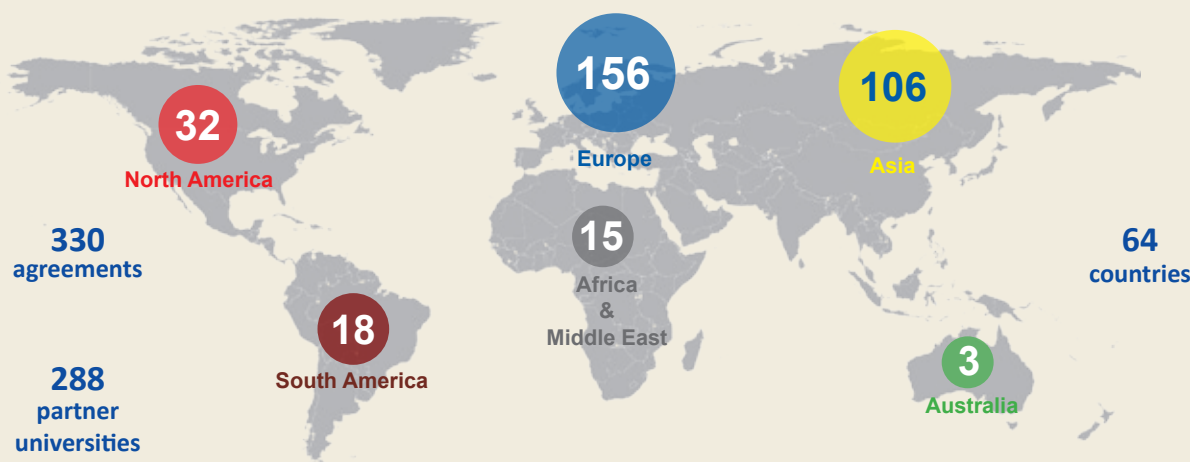
3 PARTNERSHIPS

330 bilateral agreements
with 288 universities in 64 countries
(135 university level; 106 faculty level;
51 institute level; 38 Collegium Medicum)
1,567 Erasmus+ KA 103 with 560 universities, 32 countries,
and 48 KA 107 with 48 universities, 20 countries

4 NETWORKS

COIMBRA Group
UTRECHT Network
The GUILD of European
Research-Intensive Universities
UNA Europa Alliance
European University Association

East-European University Network
EUROPAEUM
Unitown
SYLFF Institutions' Network
Erasmus Student Network
European Students Forum (AEGEE)
European Law Students' Association



Data as of 27.11.2018

5 INTERNATIONAL ENVIRONMENT

international students
3,814 over 90 nationalities
– 9.5% of all JU students

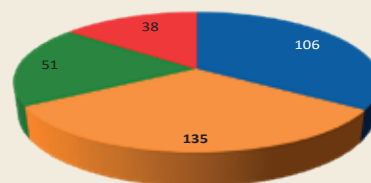
TOP 10:

1. Ukrainian	1,360
2. Norwegian	402
3. Belarussian	223
4. Spanish	178
5. German	150
6. American	142
7. Italian	138
8. Turkish	95
9. French	90
10. Russian	80

USOS data as of 27.11.2018

JU bilateral agreements

■ university level ■ faculty level
■ institute level ■ Collegium Medicum



6 EDUCATION

37,155 undergraduate & graduate students
2,800 doctoral students

- 111 Bachelor's programmes
- 139 Master's programmes
- 49 PhD programmes
- 63 post-diploma non-degree courses
- 38 English-taught programmes
(8 undergraduate, 19 graduate,
8 doctoral, 3 post-diploma)
- 356 doctorates awarded in 2017
- 312 student research societies
- 25 sports sections
- 27 student organizations

7 STAFF & STUDENT MOBILITY

Erasmus+ staff mobility in 2017/18
– 263 outgoing
– 126 incoming

Bilateral staff exchange in 2018
– 104 outgoing
– 69 incoming

Student mobility programmes in 2017
– 1,512 outgoing
– 1,713 incoming