

POZNAN UNIVERSITY OF MEDICAL SCIENCES

Medicine Program

Dentistry Program

Research PhD Program

pums.edu.pl





WE BELIEVE AT **PUMS** THAT
PRACTICE MAKES PERFECT HENCE
WE ENCOURAGE OUR STUDENTS
TO APPLY THEIR KNOWLEDGE IN
THE CLINICAL SETTING WHILE THEY
STUDY HERE.

Prof. Andrzej Tykarski MD, PhD

> Whether you consider future doctors or dentists, no professional training would be complete without a thorough practical component. Therefore, we make sure that each student is exposed to contact with patients early on in the course of the studies and has sufficient hands-on training in our 5 university hospitals in Poznan. The students also have the opportunity to undergo part of their clinical rotations in their home countries, thanks to our international practical credit recognition system and membership in the AAMC's VSLO network. Moreover, active student volunteers can assist the faculty with their duties in hospital wards and clinical departments, including medical procedures and surgeries.



Mission

To improve our local and international community's health, well-being, and social development. To discover and share the truth through developing life sciences.

To educate excellent medical professionals.

We implement this mission by:

Educating medical professionals in over 30 quality courses in Polish and English, in the capacity of a public university,

Conducting scientific experiments and research projects into all disciplines relating to human health and well-being of populations, and publishing the effects of these investigations,

Providing daily public medical services to patients in 5 major clinical centers and a hospice located in Poznan, putting into practice the latest advancements in medicine and cutting-edge equipment for the benefit of the patients,

Developing a network of international partner institutions: schools and research centers, hospitals, professional organizations and government institutions in order to maintain the highest, most up-to-date standards and know-how,

Supporting our faculty, students and alumni, doctors and hospital staff in their everyday work and challenges.



Doctor of Medicine

The medicine program at PUMS is an offer for both undergraduate and graduate applicants leading to a professional degree of Doctor of Medicine, opening doors to medical licensing on all continents. We realize that contact with patients is a very important part of education. That is why we make it possible for you to have contact with patients in our clinics from the beginning of the 4th year of your studies.

From cell-level biological mechanisms to complex hands-on practice in hospital wards – the program is structured in a manner that gradually introduces you to the world of modern medicine. It will give you the complete practical skill set of a physician with in-depth knowledge of biochemical processes taking place in the human body, mechanisms of disease, and the functioning of drugs and therapies.



THROUGH MY TEACHING AND
DEMONSTRATION OF SURGERY MY
BIGGEST WISH IS TO IGNITE CURIOSITY
FOR THE HUMAN BODY AND KEEP
UP THE DRIVE IN STUDENTS, THEIR

EMPATHY, TO HELP PEOPLE.

We often see medicine as 'fixing' a person's body - biological science and surgery give us a chance to deal practically with the biological problems happening inside a patient's body, but we often forget about the fact that a patient has a mind and a soul. What I really enjoy is to observe the interactions between students and patients and to teach and also to give an example of a proper patient-doctor interaction.



FOR DETAILED INFORMATION VISIT
OUR WEBSITE AT **WWW.PUMS.EDU.PL**



Contact

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Doctor of Dental Surgery

5-YEAR **DDS** PROGRAM

The 5-year DDS Program is an undergraduateentry dental course which leads high school graduates to a professional degree of Doctor of Dental Surgery, opening doors to dental licensing in Europe and elsewhere.

It is a profession which combines scientific knowledge with manual skills. This is why, starting from year 3 of the studies, your classes will be held in PUMS Dental Clinic where you

will take part in patient treatment together with our faculty.

With a heavy focus on practical experience, the program is designed to gradually guide a high school graduate from the scientific groundwork to a qualified and competent clinician.

Dentistry is an exceptional field of medicine which gives doctors a lot of freedom when it comes to professional practice.



Baksalary-Izycka DDS FACULTY MEMBER

> WE. THE FACULTY. ARE WELL AWARE THAT OUR STUDENTS ARE FAR AWAY FROM HOME, SO WE MAKE SURE TO ALWAYS GIVE THEM **OUR SUPPORT** AND HELP IN DIFFICULT MOMENTS. JUST AS A GOOD FRIEND WOULD.

We realize how important your career pathway is to you and how much effort you are putting to be able to study in our School. This is why the classes are conducted by professors and doctors with a wealth of academic experience and a solid practical background in dental health service. Our university dental hospital building includes an outpatient clinic, teaching and research center, and a state-of-the-art dental simulation center.

FOR DETAILED INFORMATION VISIT OUR WEBSITE AT WWW.PUMS.EDU.PL



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why pums?

- High success rate in medical licensing exams and employability:
 - > 81.5% USMLE Step 1 first-attempt passing rate (2022)
 - > 79.1% USMLE Step 2CK first-attempt passing rate (2022)
 - > Top results in LEK Polish Medical **Licensing Examination**
- Hands-on approach, contact with patients and intensive clinical immersion
- Curriculum tailored to needs of international students
- Highly-qualified professors and staff
- Kaplan Basic Science Prep Course
- Active network of international student organizations
- Travel around Europe during study breaks

A 2-month basic science review course - best preparation for the USMLE Step 1 - organized in cooperation with Kaplan, Inc. Take advantage of the excellent resources: outstanding visiting professors, on-line videos and question banks, mock tests, etc. - all without any extra fees!



Voluntary work and research opportunities

Sizeable and diverse international community - 1000 students from over 50 countries

Dozens of international student organizations including national and interest groups, Research Association, Residential Advisors, plus numerous smaller clubs all constitute the English Programs' Student Union.

OSCE - type exams

CAPS - free of charge counseling and psychological services

RA - student accommodation with reliable residential advisors

VSLO - member of the AAMC's Visiting Student Learning Opportunities

CAPS - Counseling and Psychological Services - support students, their performance and well-being during their time at PUMS. Studying abroad and leaving one's support network back home can be difficult. This is why English-speaking psychologists and advisors are available to our international students free of charge all year long.

VSLO - Our students can choose to undergo their elective clinical rotations for credit in Poznan or in any teaching hospital around the world. As a member institution of the AAMC's Visiting Student Learning Opportunities, we will facilitate your electives abroad, whether you decide to take them in the US. Canada or other partner institutions around the world.

why Poznan?

A bustling, well-connected hub for education and business – Poznan is a mid-sized Polish city located halfway between Berlin and Warsaw.

This city attracts talent. It's a magnet for ambitious, entrepreneurial people who are ready to face new challenges. The Greater Poland region boasts the lowest unemployment rate in the European Union, and one of the lowest in the world. Excellent course offers and numerous development opportunities draw students' attention to Poznan. Spend just a few days here to feel the fantastic atmosphere and experience the comfort of local life. Additionally, it has its own international airport allowing you to reach almost any European capital within 2-4 hours and spend your study breaks in Paris, Rome, Amsterdam, Athens, Stockholm, London, Dublin or Oslo.

Poznan vibrates with life and diversity. The city is very safe, business- and student-friendly, with culture and entertainment playing a vital role in everyday life. Over 100,000 students in 24 universities and colleges fill Poznan with incredible energy and contribute to its climate.

Poznan offers top-level education. Its universities are among Poland's most prominent ones, while educational facilities and campuses are among the most modern in Poland. It's a place where you can pursue your passions and exchange experiences in an international academic environment.





PUMS owns a network of 5 clinical hospitals in the city of Poznan as a base for its clinical and research activity. With a total of 2200 beds these institutions are open to the public, serving the local community. Students of all programs have their clinical rotations in active wards of all specialties, seeing patients every day. The hospitals have at their disposal the equipment, know-how and infrastructure on par with what is available in top quality clinical centers around the world.

The University also provides palliative care within its Palium Hospice. This clinical unit, founded by Prof. Jacek Luczak, recipient of the European Citizen's Prize awarded by the European Parliament, is the home of our first-in-Europe university Department of Palliative Care, where the students learn about pain medicine, geriatrics and palliative medicine.

The University Center for Dentistry and Specialized Medicine is a public outpatient dental clinic. It provides students with the opportunity to practice dental procedures hands-on with actual patients from the early stages of their training at PUMS.



Medical and dental simulation centers

- 8 high-fidelity simulation rooms with control rooms and briefing rooms: operating room, 2 intensive care units, emergency room, ambulance, baby delivery room and 2 nursing stations;
- 6 low-fidelity simulation labs for ALS, BLS, technical skills, clinical skills, surgical skills and virtual reality training;
- 10 teaching rooms for standardized patients practice, nursing skills, obstetrics and OSCE exams;
- 60 dental workstations with model patients and latest equipment for pre-clinical education;
- 18 state-of-the-art dental clinical units;
- Active member of SESAM: Society of Simulation in Europe and executive organizer of the European SimChallenge competition.







Campus life

As an incoming student of PUMS you will have a guaranteed spot in a double room in one of our four dormitories.

All of them are located within walking/biking distance from most of the University hospitals, teaching facilities, sports facilities and the library. They are also quite close to Poznan downtown and include a private cafeteria, laundry facilities, internet access, study rooms and social rooms, parkings, etc.

Student housing is protected by campus security. Our dorm community is also supported by a dedicated English-language Resident Advisor team, made up of student volunteers.

We offer sports training in nearly 20 disciplines, including soccer, basketball, tennis, volleyball, gym, cardio or pilates. PUMS sports teams successfully compete in national academic competitions each year. Adding to that are student activity clubs for yoga, jogging, and school tournaments, video game events, movie nights, picnics, etc.

Voluntary opportunities

Having such a deciding impact on human life, great responsibility and potential of helping other people, medical professions are different from a regular 9 to 5 occupation. More often than not they are chosen on a sense of calling. PUMS community is made up of individuals with a drive to make a positive change in human health and well-being.

Leczymy z Misją Treating with a Mission

Independent volunteering association started by PUMS students. It provides developmental aid to Kenyan hospitals by shipping medical equipment and conducting training for the local medical staff. The volunteer medical, dental, midwifery, optometry and physiotherapy students, as well as alumni doctors, work on various specialized medical projects designed basing on the organization's experience and medical guidelines to cover the essential and genuine needs of Kenyan patients. The project received awards from National Geographic, Polish Ministry of Science and Higher Education, as well as distinctions by Forbes Magazine.

PUMS in Indonesia

Voluntary initiative operating in partnership with Kaohsiung Medical University bringing together members of PUMS faculty, alumni and students. The aim is to provide free medical aid and basic medical education to underdeveloped parts of Indonesia.

Redemptoris Missio

Charity foundation created in 1992 by the scientific community of PUMS with the goal of creating professional resources for Polish medical missionary workers in the world. RM is active on 5 continents and is a member of the Medicus Mundi International network.

Unique experience

IT'S AS IF YOU'VE NEVER SWAM,
YOU GET THROWN IN A LAKE AND
THE NEXT THING YOU KNOW YOU'RE
SWIMMING YOUR WAY BACK TO LAND.

Aida, alumna, class of 2017

That's how I'd describe our first clinical rotation and one of the most memorable moments. After my first couple of years of studying basic sciences the time FINALLY arrives when I got to speak to and meet real-life patients and experience what being a doctor is really all about. For my particular curriculum that began with OB/GYN.

It was only my second day of the rotation and I was able to help assist with a cesarean section delivery. On Sunday I was in another country, another time zone, arriving in Poznan, jetlagged from my travels and by Tuesday I was scrubbing into a surgery. "So who would like to come with me?" My hand had shot up without knowing what I had just volunteered for. Our professor quickly led me to the OR, explaining along the way the procedure taking place and of course guizzing me on the indications that would call for it and complications that can arise. I would be assisting today. I watched carefully not to miss a single step as I scrubbed in. I listened so focused on the task at hand. The nurses helped to quickly get me dressed in our sterile uniform scrubs. The surgeon explained each instrument as he asked for it with only an outstretched hand and a nurse who seemed to have the ability to read his mind. I was put to the task of holding back retractors and then, "here help me" the surgeon grabbed my hand and together we pulled out the baby's head. Next thing I knew I am holding this amazing wonderful warm screaming infant. I turned to hand the baby boy over to the staff and continued to help with the remainder of the proce-

Although it lasted only a few moments, as this baby was born it felt as if the Doctor in me was born too. I was overwhelmed with emotions of how wonderful our job is. How we will help to bring new life into this world and how we do our best to help to keep life in this world. It was a whirlwind of emotions and learning. I did not know I would be so prepared to assist, I did not

know I was capable of so much under such a short introduction, but I realized that in fact we had been preparing for this all along. We spent the first two years reading how to swim and here we were swimming. It was amazing and a memory I will cherish forever.



THE SURGEON EXPLAINED EACH INSTRUMENT AS HE ASKED FOR IT WITH ONLY AN OUTSTRETCHED HAND AND A NURSE WHO SEEMED TO HAVE THE ABILITY TO READ HIS MIND. I WAS PUT TO THE TASK OF HOLDING BACK RETRACTORS AND THEN, "HERE HELP ME" THE SURGEON GRABBED MY HAND AND TOGETHER WE PULLED OUT THE BABY'S HEAD.





Accreditation

As a public medical school in Poland PUMS is fully recognized by the Polish Ministry of Health, and Ministry of Science and Higher Education. We are accredited by the Polish Accreditation Committee, which is the statutory body responsible for the assessment of quality of education provided by HEIs. All four of the School's faculties have been awarded the quality category A by the Committee for **Evaluation of Research Institutions.**

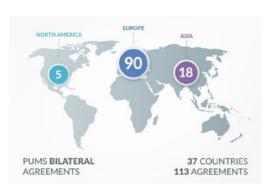
As part of the European Higher Education Area, PUMS follows the Bologna Process. Diplomas issued by the University are recognized and widely accepted not only in the EU, but worldwide. We make sure that our programs and teaching standards meet international requirements, as demonstrated by the success of our graduates in the US, Canada, Norway or the UK. Where necessary, PUMS recognition has been confirmed by respective official bodies (medical and dental boards, ministries, etc.). e.g. in Thailand or Jordan. Students of PUMS have also been deemed eligible for a number of

education loans and scholarships offered in other countries for studies abroad, for example: Ontario OSAP, Norwegian Lånekassen, Swedish CSN, German BAföG, Saudi government scholarships, etc.

International research and mobility partnerships

Many of the scientific research projects and clinical trials at PUMS are conducted in partnership with foreign institutions. PUMS partner universities include schools from Germany, France, the USA, Belgium, Italy, Scotland, Norway, Sweden, Ukraine, Moldova, Kazakhstan, Georgia, Israel, China, Japan, Taiwan, Papua New Guinea, Canada, Brazil, Switzerland, Morocco, Thailand and Peru.

We are an active member of the EU ERASMUS+ and CEEPUS III academic mobility programs that allow students to complete 1-2 semesters abroad. Through these initiatives we are hosting around 70 and sending twice as many exchange students abroad each year.



Additionally, we are a member of such international cooperation networks as the European Innovation Partnership, EU Robotics, AAMC VSLO, Endo-ERN, or the ORBIS Project.

PUMS is also a strategic partner to West Kazakhstan Marat Ospanov State Medical University as a part of Kazakhstan's effort to improve quality of education and further development of local medical staff.

Many of our doctors and faculty are members of international scientific societies and committees as renowned specialists in their fields. as well as national expert consultants.

The University is hosting around 25 international scientific conferences each year.

PUMS is also the publisher of an international open access peer-reviewed scientific journal the Journal of Medical Science accepts contributions from authors from all over the world. without any article submission or processing fees: jms.ump.edu.pl.



Famous alumni

Nothing attests to the quality of a school better than the work and integrity of its alumni. Generation by generation, class by class, graduates of PUMS are contributing to the medical, scientific and social discourse in Poland and abroad.



CHOSE TO STUDY AT PUMS BECAUSE, APART FROM THE KNOWLEDGE, WE **FOCUS A GREAT DEAL ON PRACTICAL** TRAINING SO I GET TO WORK WITH REAL-LIFE PATIENTS AND HAVE REAL CASES

Aleksandra, Physiotherapy student



MEDICAL CLASS OF 1934

Wanda Błeńska

SHE DEVOTED HER LIFE TO **MEDICAL MISSIONARY WORK** TREATING PATIENTS WITH LEPROSY IN UGANDA.

She turned a small medical outpost in the town of Buluba into a modern and world-renowned specialized research, healing and teaching center with a network of stations in the country. Thanks to her thousands of people were cured and, in admiration of her caring attitude and lifelong devotion, the local community called her the "mother of lepers".



MEDICAL CLASS OF 1955

Krzysztof Komeda

KOMEDA SPECIALIZED IN LARYNGOLOGY AND WAS **EMPLOYED IN THE LARYNGOLOGY** DEPARTMENT OF OUR SCHOOL. **HE BECAME FAMOUS AS A JAZZ** PIANIST AND COMPOSER

He's the author of movie scores for such classics as Knife in the Water, Rosemary's Baby, Cul-de-Sac, The Fearless Vampire Killers, Innocent Sorcerers or See You Tomorrow. He was also successful on tour with his modern jazz bands.



MEDICAL **CLASS OF 1974**

Maria Siemionow

WORLD-RENOWNED EXPERT ON RECONSTRUCTION SURGERY, MICROSURGERY, NERVE REGENERATION, TISSUE TRANSPLANTATION, HAND AND **FACE TRANSPLANTATION.**

Currently working as Director of Microsurgery Research at the University of Illinois at Chicago and professor of PUMS Surgery Department. In 2008 she led the team that performed the 1st near-full face reconstructive transplantation in the US on a female patient victim of a shotgun blast.

THE BEST PART OF MY EDUCATIONAL

EXPERIENCE AT PUMS IS THE AMOUNT

OF HANDS-ON PATIENT EXPERIENCE

WE RECEIVE. I SEE MORE PATIENTS AT

HIS PROGRAM ACCEPTED ME STRAIGHT OUT OF HIGH SCHOOL, WHICH WAS IMPORTANT FOR ME BECAUSE I KNEW I WANTED TO BE A DOCTOR WHEN I GRADUATED HIGH SCHOOL, AND, SO THROUGH THIS SCHOOL, I WAS ABLE TO FOCUS ON MEDICINE SPECIFICALLY RIGHT AWAY WITHOUT SPENDING EXTRA TIME IN AN UNDERGRADUATE PROGRAM.

Julia, Medicine student (6MD)

WANTED TO STUDY ABROAD, BUT ALSO WANTED TO COME BACK TO MY FAMILY AT THE END OF IT, AND **PUMS HAS A HIGH SUCCESS RATE OF CANADIAN AND AMERICAN STUDENTS COMING BACK TO PRACTICE IN THEIR HOME COUNTRIES** TO GUARANTEE THAT IT WILL BE POSSIBLE.

Samantha, Pharmacy student

PUMS THAN I WOULD HAVE AT A NORTH AMERICAN SCHOOL.

Luca, Dentistry student



ALL OF THE PROFESSORS WERE VERY DEDICATED AND KNOWLEDGEABLE. THEY WERE PROMINENT EXPERTS IN THEIR FIELDS AND THEY WERE ALWAYS WILLING TO HELP.

DOCTOR

Alicja **Dewera-Moczerniuk**

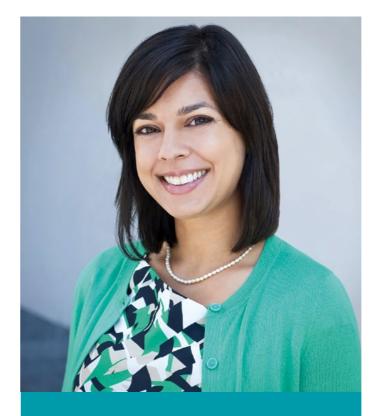
MD. FAAP MEDICAL CLASS OF 2007

Pediatrician at Pediatric Healthcare Associates in Connecticut, USA

PUMS - as an institution - was very welcoming and accommodating from the very beginning. The female advisors from the Dean's Office were very helpful and assisted with anything needed: obtaining health insurance, bank accounts, apartment rental, etc. They were always willing to go out of their way to make things as easy as possible for all newcomers.

It was important and beneficial, especially for students who did not speak Polish. When it

comes to didactics, I can fully attest that all of the professors were very dedicated and knowledgeable. Some spoke with heavier accents than others, but relaying their message was never an issue. They were prominent experts in their fields, and they were always willing to help too. Some of them - such as professors: Biczysko, Nowak, Marszalek, Breborowicz, or Niedziela - will stay with us forever, not only because they remind us of good times as PUMS medical students, but more importantly, they taught us the book knowledge and showed us what it means to be a GOOD doctor.



I REMEMBER BEING ABLE TO ASSIST IN SURGICAL PROCEDURES, PERFORM A SPINAL TAP. AND WORK IN THE ER. LEARNING VALUABLE **SKILLS** SUCH AS PLACING AN IV AND SUTURING.

DOCTOR Sadhana **Dharmapuri**

MD MEDICAL CLASS OF 2002

Assistant Professor in Adolescent Medicine Medical College of Wisconsin, Milwaukee, WI, USA

The third and fourth years of medical school provided me with amazing opportunities that, in hindsight, I may not have had in the US.

I remember in particular being able to assist in surgical procedures, perform a spinal tap, and work in the ER, learning valuable skills such as placing an IV and suturing. These skills were incredibly useful and appreciated during my intern year of residency. What I remember most of all was the empathy and commitment all the physicians I worked with had for their patients. I was uncertain how my education at PUMS would be interpreted in the US. When I applied to residency programs, I was pleasantly surprised to find that many programs were interested in me.

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For 100 years

we have been educating medical professionals, conducting research and providing the local community with quality health services. Located in the city of Poznan and rooted in Polish tradition, the University has developed a network of international science and business partnerships throughout the century. In 1993 we were the first school in Poland to offer full-time studies in English.

Since then over 2500 international alumni of PUMS have started their professional careers on all continents. Many of them have come to serve on boards of professional and scientific associations, have been invited to serve as advisors to the WHO and IAEA organizations, and have become outstanding clinical specialists and heads of hospital departments in Europe, North America. Asia, and elsewhere.

1919 1920

The history of **PUMS** dates back to the **foundation of University of Poznan in 1919**. This is where the Medical
Faculty was established in 1920, followed shortly by the inauguration of Pharmacy and Dentistry Departments.

The University of Poznan awarded its first Honorary Doctorate to 'Madame Curie' – Maria Sklodowska-Curie in 1922.

A CENTURY OF **PUMS**

Polish public medical university with 100 years of academic tradition.



After a period of closure during the World War 2, the University of Poznan reopened in 1945. Five years later all medical programs migrated to form a stand-alone HEI under the name of **Medical Academy in Poznan**.

PUMS launched its Medical Program and enrolled its **first 14 full-time international students**. In the following years the University opened Dentistry, Pharmacy and Physiotherapy
Programs in English.

With substantial funding from EU structural budget the University completed several **crucial investments** like the Library-Congress Center, Medical Biology Center, a new dormitory and a renovation of all lecture rooms.

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RAPID DEVELOPMENT

2010 2018 The decade of 2010 - 2020 was the time of rapid development and major infrastructural changes. The effect of this impressive modernization effort are facilities and equipment which meet the highest industry standards.



Taking note of best practices from around the world PUMS pioneered **medical simulation** program in Poland, creating a working model which was subsequently adapted by other Polish schools. The initial small-scale simulation center was recently replaced with a 4-story building devoted completely to medical simulation training. Additionally, the University constructed a state-of-the-art **dental simulation center**.

2010



Crisis events like the global pandemic, wars, or the global heating, are demonstrating how crucial and demanding the role of medical professionals is. We are making sure that they have the state-of-the-art knowledge, skills, tools and facilities to safeguard the health of our communities.



The beginning of the 2020s marks another great infrastructural modernization drive. While conducting multifaceted efforts to combat the pandemic, such as organizing and administrating the biggest local PCR testing center, and running an information campaign in the local and national media, the University has also focused its efforts on the construction of a completely new modern hospital with an ER unit, a new building complex for the Faculty of Pharmacy – Collegium Pharmaceuticum, as well as the Center for Human Studies – Collegium Humanum.



pums in **numbers**





1000

4

DORMITORIES

6
CLINICAL
HOSPITALS

12
INTERNATIONAL STUDENT ORGANIZATIONS

16
STUDENT
RESEARCH
FOCUS GROUPS

24
SPORTS TEAMS

FOR MORE DETAILED
INFORMATION ABOUT US,
PLEASE VISIT OUR WEBSITE
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Dentistry Program



Research PhDProgram

INTERNATIONAL INTERNATIONAL **STUDENTS** ALUMNI Oslo Stockholm. Moscow ♀ Minsk Poznan **Berlin** Brussels Warsaw London 0 0 **Paris** Vienna

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