



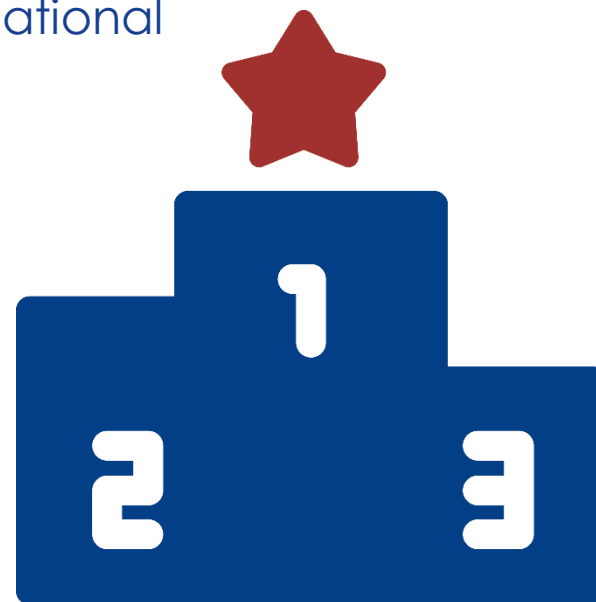
MEDICAL UNIVERSITY OF GDAŃSK

Meet our University

Gdańsk 2022

We are the best medical university in Poland

in the 2022 edition of the most popular national educational ranking.



About the MUG



The Medical University of Gdańsk is the **largest** medical school in northern Poland. This modern academic center has been providing **high quality** education in all medical professions for 75 years and conducting **world-class research**.



has two departments in the highest A+ category and two more in A category in the assessment of scientific activities of units carried out by the Ministry of Science and Higher Education.



The MUG students improve their **practical skills** in modern **simulation and multimedia labs**, such as the Medical Simulation Centre, Nursing Skills Laboratory, Patient Simulation Laboratory, and Dental Simulation Laboratory. In addition, they have a Training Pharmacy at the Faculty of Pharmacy at their disposal.

Research university

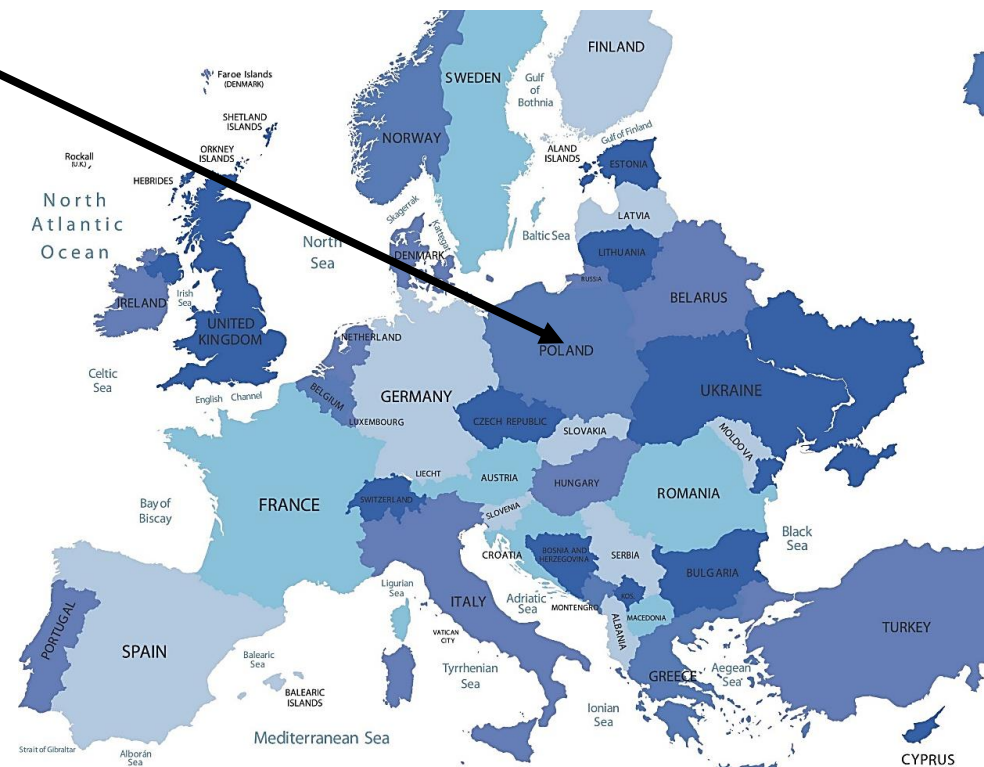
- from October 30th 2019 the Medical University of Gdańsk officially holds the prestigious ministerial title of a research university.
- it is 1 of 10 universities in Poland and the **only medical university** that was awarded a place in this prestigious group elected by the Ministry of Science and Higher Education.



Where you can find us?



<http://www.clker.com/clipart-world-globe-highlighted-europe.html>



<https://www.tripsavvy.com/travel-visas-european-country-1508254>



GDAŃSK
city of solidarity,
culture and freedom



Did you know?

- that more than **16%** of students at the Medical University of Gdańsk are international students.
- that medicine is still one of the most popular fields of study in Poland.
- that over **50%** of all international students in Gdańsk study at the Medical University of Gdańsk.



MUG among the best in the world

| Name of the ranking | Category | Place |
|---|---|--------------------------------|
| Perspektywy 2022 | Medical universities | 1 |
| | Public universities | 7 |
| Academic Ranking of World Universities (ARWU) | Clinical medicine | 401-500 |
| QS World University Rankings by Subject 2022 | Medicine | 551-600 |
| THE World University Rankings 2023 | World university ranking | 4 in Poland 801-100 general |
| CWTS Leiden Ranking | Women's publication ratio among all university publications | 23 in Poland 323 in Europe |
| University Ranking of Academic Performance | World medical universities | 30 |
| CWUR World University Ranking | World university ranking | 1087 |
| Best Global Universities Rankings | Public universities | 425 in Europe |
| | Oncology | 128 |
| | Clinical Medicine | 414 |
| THE Impact Rankings 2022 | General classification | 801-1000 |
| | Good Health and well-being | 92 |
| | Reduced inequalities | 301-400 |
| | Life below water | 301-400 |

Education at the MUG

- provides a **solid foundation** for further professional work.
- the alumni are **highly qualified**, supported by reliable theoretical knowledge and practical skills.
- provides **practical teaching** of the chosen medical profession with the use of phantom labs.
- possesses **the Polish first** interactive system of teaching histology and cytology in Poland.
- it uses **new technologies**, including 3D printing, in didactics and clinical diagnostics.



About the MUG



the **best** Polish medical University*

* according to the Perspektywy Education Foundation ranking, June 2021



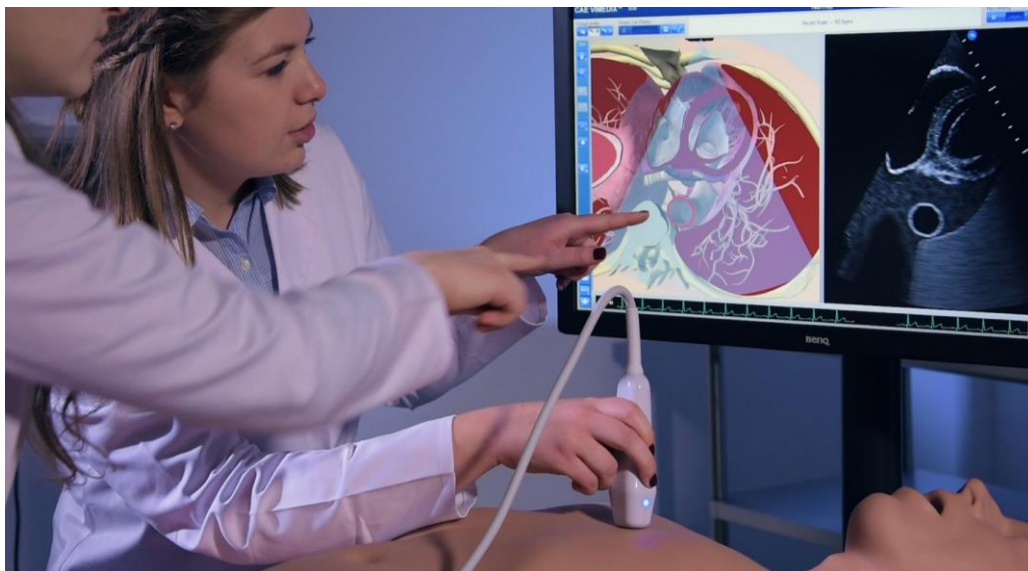
the most **international** University in northern Poland (over 16 students%)



steadily **gains** higher positions in both national and international rankings



a university **leading** in key categories such as efficiency and scientific potential



Our history

One of the oldest medical universities in Poland.

- Physician Academy of Gdańsk – October 8th **1945**
- Medical Academy of Gdańsk – **1950**
- Intercollegiate Faculty of Biotechnology University of Gdańsk and MUG – **1993**
- English Division of the Faculty of Medicine – **2001**
- Faculty of Health Sciences with Subfaculty of Nursing – **2006**
- Medical University of Gdańsk – **2009** (Academy changed its status to MUG)
- Faculty of Pharmacy recognized as the Lead National Scientific Centre – **2012-2017**
- International Research Agenda – **2018**
- Centre of Translational Medicine – **2019**
- Medical University of Gdańsk becomes a research university – **2019**
- Medical University of Gdańsk, Gdańsk University of Technology and the University of Gdańsk establish the Fahrenheit Union of Universities in Gdańsk – **2020**



Source: the MUG and NCU archives

About the MUG

- educates almost **6000** students, including Ph.D. and postgraduate students in 4 Faculties
- offers 8 programmes conducted in English
 - **6-year M.D. Programme**
 - **5,5-year Master in Pharmacy Programme**
 - **2-year Master in Sustainable Drug Discovery**
 - **3-year Bachelor of Nursing Programme**
 - **1-year Premedical Course**
 - **4-year Doctoral School (Medicine, Pharmacy, Health Sciences)**
- has modern clinical and teaching units



The MUG's educational base

- numerous phantom and multimedia labs
- the Medical Simulation Centre
- Training Pharmacy at the Faculty of Pharmacy
- modernised Main Library
- modern Sports Centre
- modernised workshop and lecture rooms
- modern clinical facilities – buildings of the Invasive and Non-Invasive Medicine Centre



Offer in English



6-year
M.D.
Programme



2-year
Master in Sustainable
Drug Discovery



5,5-year
Master in Pharmacy
Programme



3-year
Bachelor of Nursing
Programme



1-year
Premedical Course

Orientation Week

- it is a special week of orientation activities and courses for all freshman students and incoming ERASMUS+ students.
- helps the incoming students become acquainted with the MUG campus, student life, the teaching structure at the MUG and accommodation.
- major activities include Welcome and Overview, Social Events, Distribution of Student ID Cards, Polish Language Course, Matriculation Ceremony, Student Resources, Stress Management/Mental Health information

www.admission.mug.edu.pl



Study programmes

- Medicine (Polish and English)
- Dentistry
- Dental Techniques
- Pharmacy (Polish and English)
- Medical Analytics
- Nursing (Polish and English)
- Midwifery
- Nutrition and Dietetics
- Electroradiology
- Environmental Health
- Public Health – health care system management
- Physiotherapy
- Environmental health
- Environmental health with OSH
- Pharmaceutical and Cosmetic Industry
- Sustainable Drug Discovery (English)
- Rescue and Emergency Medicine
- Psychology of Health
- Pharmaceutical and Cosmetic Industry
- Biotechnology (with University of Gdańsk)
- Mechanical-Medical Engineering (with Gdańsk University of Technology)
- Medical Physics (with University of Gdańsk)
- Speech Therapy (with University of Gdańsk)
- Doctoral Studies (level 3)
- preparatory course for foreign students (PREMED)

Foreign students

| | |
|-----------------------------|-------------|
| Sweden | 349 |
| Norway | 195 |
| India | 125 |
| Iran | 50 |
| The Kingdom of Saudi Arabia | 48 |
| Iraq | 21 |
| Germany | 20 |
| Italy | 20 |
| Spain | 19 |
| Canada | 18 |
| Nigeria | 16 |
| Great Britain | 11 |
| Denmark | 10 |
| Other (< 10 per country) | 89 |
| TOTAL NUMBER | 1021 |





First Doctoral School

- it is an organised form of education in the following disciplines:
 - medical sciences
 - pharmaceutical sciences
 - health sciences
- the doctoral school will be free of charge for all Ph.D. students.
- each participant of the doctoral school will receive a scholarship.



The MUG alumni



possess high professional qualifications, supported by reliable theoretical knowledge and practical skills



are the in-demand candidates on the job market



are professionally successful both at home and abroad



are the MUG Ambassadors, actively promoting our university in their daily work



Prof. Anna Dominiczak

Deputy director and Head of the College of Medical, Veterinary and Life Sciences, University of Glasgow



Wojciech Kuźmierkiewicz, Ph.D.

President of the Board of the Polpharma Scientific Foundation



Joanna Drewla, Ph.D.

CEO of Servier Polska



Prof. Barbara Jereczek-Fossa

Professor at the University of Milan

Publishing leader

- the Medical University of Gdańsk is the **winner of the ELSEVIER Research Impact Leaders Awards*** in the field of health and medical sciences
- publications of the MUG scientists belong to the most frequently cited in prestigious magazines

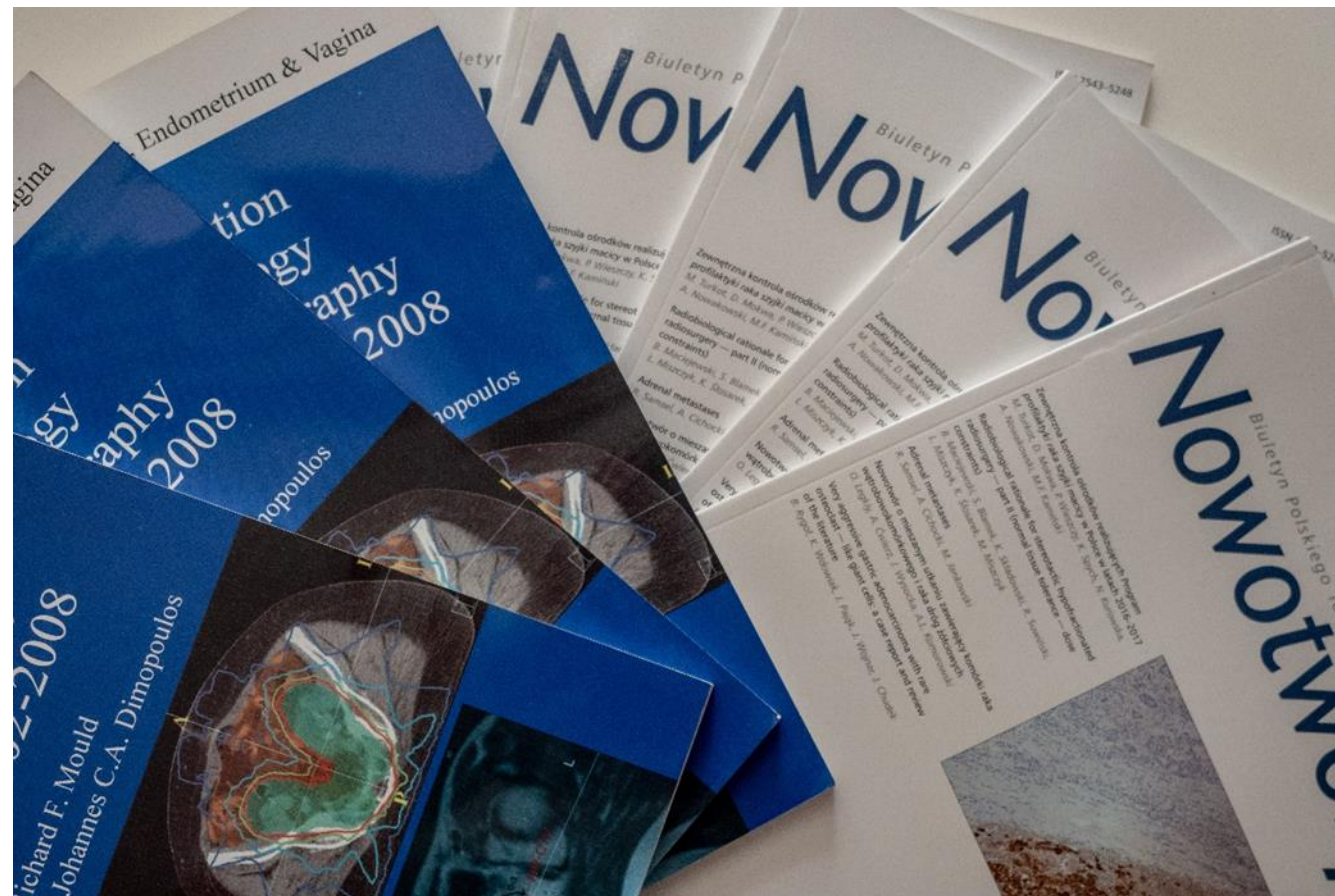
** in 2017&2018*

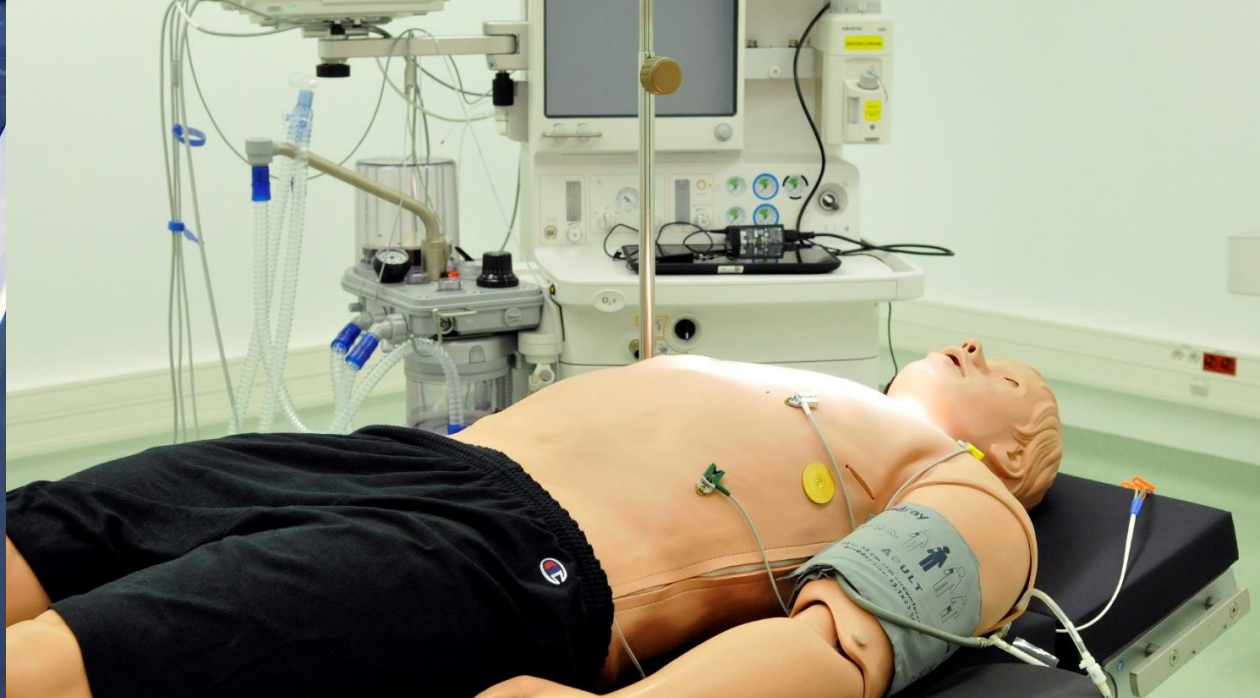


Participation in international publications

31% share in international publications

- oncology > 50%
- cardiology and cardio-vascular medicine > 40%
- biochemistry-genetics-molecular biology > 30%





Experienced research teams

20 leading research teams

10 teams are associated with Priority Research Areas

- **3 teams in the Priority Research Area 1 – Onco**
 - Leader – Department and Clinic of Oncology and Radiotherapy
- **3 teams in the Priority Research Area 2 – Cardio**
 - Leader – Department and Clinic of Cardiology
- **4 teams in the Priority Research Area 3 – Bio**
 - Leader – Department of Biochemistry



Our scientists

- Are successful in their research in the fields of **oncology, genetics, testing innovative medicines or using biomaterials**, which are particularly relevant for developing new, advanced bone implants.
- Are involved in epidemiology studies, modeling of heart diseases.
- Hold high positions in national and international medical associations.



Students' awards

- Karol Steckiewicz and Adrian Perdyan, 6th-year medical students, received **the Minister of Health scholarships** (2021)
- Shan Ali, a 6th year English Division medical student, awarded with the **Wacław Mayzł Medical Laurel** (2021)
- 39 medical and nursing students and nursing received the **Mayor of Gdynia award** for their voluntary work in the COVID-19 drive-thru test centres (2021)
- **Interstudent awards** for the MUG students: medical student **Marlon Souza Luis** (2021) in the Master studies category, nursing student **Charles Woode** from Ghana in the Bachelor studies category (2019), **Gabrielle Karpinsky** in the Masters studies category(2015)
- laureates in the knowledge competitions: anatomical *Scapula Aurea*, biochemical *Superhelis*, physiological *Wielka Synapsa*, *English in Medical Sciences* national contest



Successful student activity



- multiple laurels in the Red Rose Competition more than once
- active participation in national and international symposia
- undertaking number of valuable initiatives for the benefit of not only the region of Pomerania
- popularization of knowledge about health, disease prevention and treatment methods in society
- organization of events focused on prevention, e.g. White Saturdays, Vampiriads, Marrow Hero, Tram Called Desire, Chisel Cancer
- are actively involved in the operation of the COVID-19 drive-thru test centers

Our renowned scientists

- **Prof. Jacek Jassem**, leader of the Priority Research Area – oncology;
IF > 1960, number of citations > 19 000, index h = 55 (May 2019)
- **Prof. Krzysztof Narkiewicz**, leader of the Priority Research Area – cardiology and cardiovascular medicine;
IF > 1000, number of citations > 22 000, index h = 54 (May 2019)
- **Prof. Ryszard T. Smoleński**, leader of the Priority Research Area – biochemistry, genetics and molecular biology;
IF > 500, number of citations > 4 350, index h = 32 (May 2019)
- **From 2011 'till 2019, the MUG scientists have won 50 external prizes, including 25 (50%) in the last 3 years**
 - international – 13 (26%)
 - national – 18 (36%)
 - regional – 19 (38%)

Included in the *The TOP2% ranking 2022* among prestigious group of world's 2% best scientists as ranked by the Stanford University in cooperation with Elsevier and SciTech Strategies.

Scientific awards

Prize of the Foundation for Polish Science for the MUG's Professors:

R. Kaliszan (2003), J. Limon (2004) and P. Trzonkowski (2017)

The Johannes Hevelius Scientific Award of the City of Gdańsk for the MUG's Professors:

S. Angielski (1990), O. Narkiewicz (1994), M. Żydowo (1998), R. Kaliszan (2000), B. Rutkowski (2004), J. Limon (2006), M. Łatoszek (2008), J. Jassem (2009), A. Szutowicz (2011), K. Narkiewicz (2014), M. Woźniak (2018), M. Myśliwiec (2020), E. Łojkowska (2021)

Heine H. Hansen Award:

Prof. R. Dziadziuszko from Department of Oncology and Radiotherapy (2017)

Supertalents in Medicine:

Prof. M. Jaguszewski from the MUG's 1st Department of Cardiology (2018)



3P-Medicine – Preventive, Personalized, Precision

- the MUG, in association with the University of Uppsala, **received nearly 40 million PLN (over €9 M)** from the Foundation for Polish Science for establishing of a new centre specializing in research on genetic aberrations acquired throughout life as risk factors for cancer and other diseases
- project leaders – Prof. Arkadiusz Piotrowski (MUG) and Prof. Jan Dumański (Uppsala University)

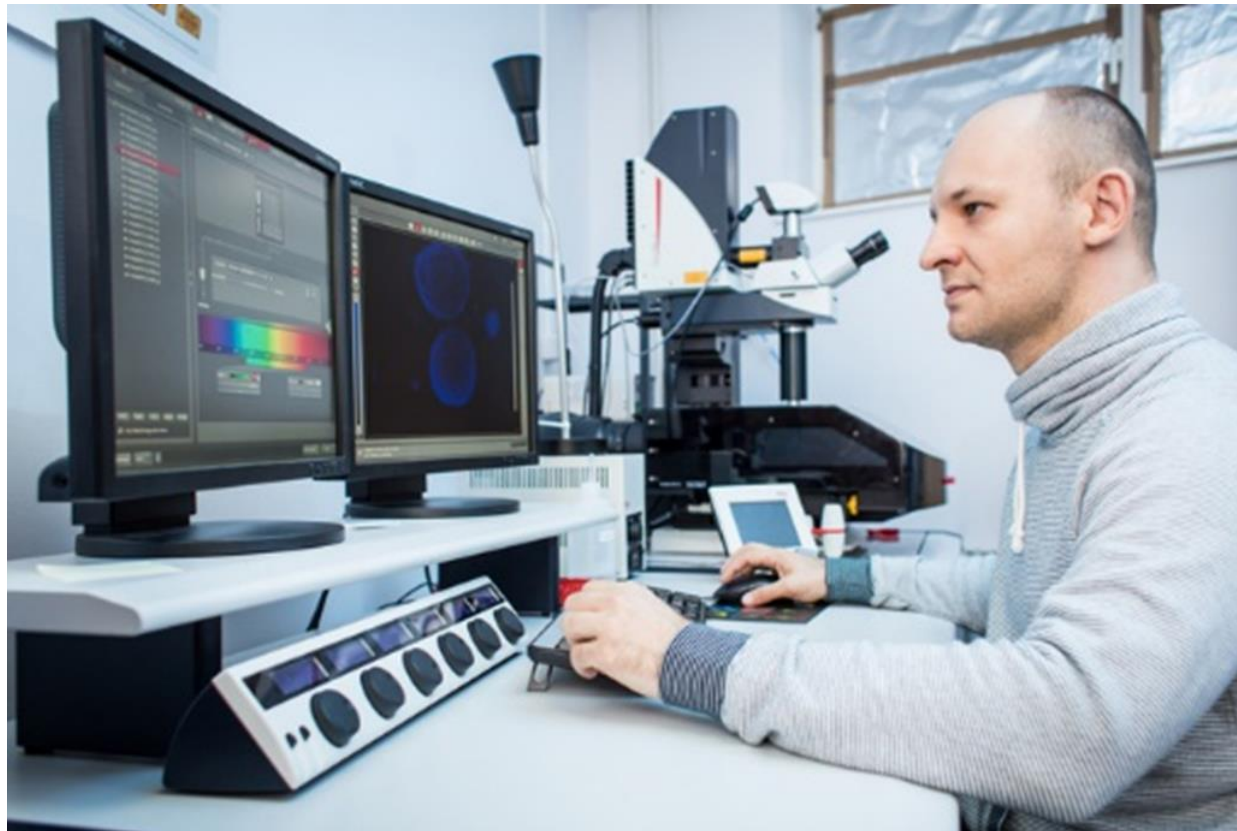


Translational Medicine Centre

- implementation of innovative interdisciplinary projects focused on personalized medicine;
- in the 1st stage of its development modern imaging center of the cardiovascular system with a back-up facility (the so-called co-working space) was opened and thereby, enabling joint work of representatives of various scientific fields and the Technology Transfer Centre;
- in subsequent stages, the following units are planned to be established: Laboratory of Imaging, Laboratory of Functional Tests, Department of Clinical Research, Laboratory of Advanced medical analytics, Laboratory of Cellular and Tissue Culture GLP, Laboratory of GMP, Laboratory of Technology and Analysis of the Drug GLP. Its headquarters is also to be found in;
- the Bioinformatics and Biostatistics Laboratory, Laboratory of Bioengineering, Laboratory and Office space for rent will also have its headquarters here.

Technology Transfer Centre

- supporting the transfer of knowledge and scientific achievements and their promotion among commercial organizations in the field of commercialization



Phase I Clinical Trials Unit

- the aim of the centre is to conduct scientific research assessing the safety and efficacy of modern therapies in all therapeutic groups, in particular oncological and cardiovascular and cardiovascular at an early stage of development



A special purpose company which manages the intellectual property rights and the commercialization of inventions. It fulfills its tasks by taking up shares in capital companies, and establishing capital companies, appointed for the implementation of research results or development works carried out at the University. It holds shares in three spin-off companies:

- **Poltreg S.A.**, its main aim is the commercialization of the TREG method, based on the scale-up of UCK-led therapies using TREG for the preparation of a vaccine for the treatment of type 1 diabetes in children
- **Detoxed Home Sp. z o.o.**, it commercializes ultra-fast diagnostic kit for detection of chemicals in the body and home environment that mimic natural hormones, i.e. the so-called active endocrine compounds
- **Gp4research Sp. z o.o.**, it realises the implementation of the research model in which the patient and his well-being are at the centre of attention – in order to ensure maximum patient comfort during his participation in the clinical trial

Supporting clinical trials

- The **Medical University of Gdańsk** is one of the largest beneficiaries of the Medical Research Agency competitions aimed at supporting academic clinical trials, acquiring almost **PLN 150 million for research and development activities** in the years 2019-2021.



Research cooperation

- with highly renowned scientific institutions on an international scale, e.g.
 - **oncology** – University of Uppsala (prof. Jan Dumański/MAB),
 - **cardiology and cardiovascular medicine** – Utrecht University (prof. Paul F. Grundeman), University of Glasgow (Prof. Anna Dominiczak)
- with renowned research groups and leading institutions in the field of oncology worldwide: European Organisation for Research and Treatment of Cancer, Central and East European Oncology Group, European Thoracic Oncology Platform, National Cancer Institute, University School of Medicine Indianapolis, Colorado University Cancer Center, Vienna Cancer Center
- the MUG takes part in the EIT Health programme; the RIS Hub status

Partners

- the Medical University of Gdańsk is a co-founding member of **the Baltic Sea Region University Network**, coordinated by the University of Turku
- the MUG actively participates in the work of **ScanBalt**, a regional organization whose aim is to support the initiatives for the development of technology transfer, in the fields of medicine and biotechnology, in the Baltic Sea region
- main international partners: **USA** (227 institutions), **Europe**: Charles University (Czech Republic), University of Oslo (Norway), KU Leuven (Belgium), University of Valencia (Spain), University of Oxford (Great Britain), University of Milan (Italy)



Inter-university cooperation



Close cooperation with the largest universities in Pomerania and joint activities of a scientific research and didactic nature

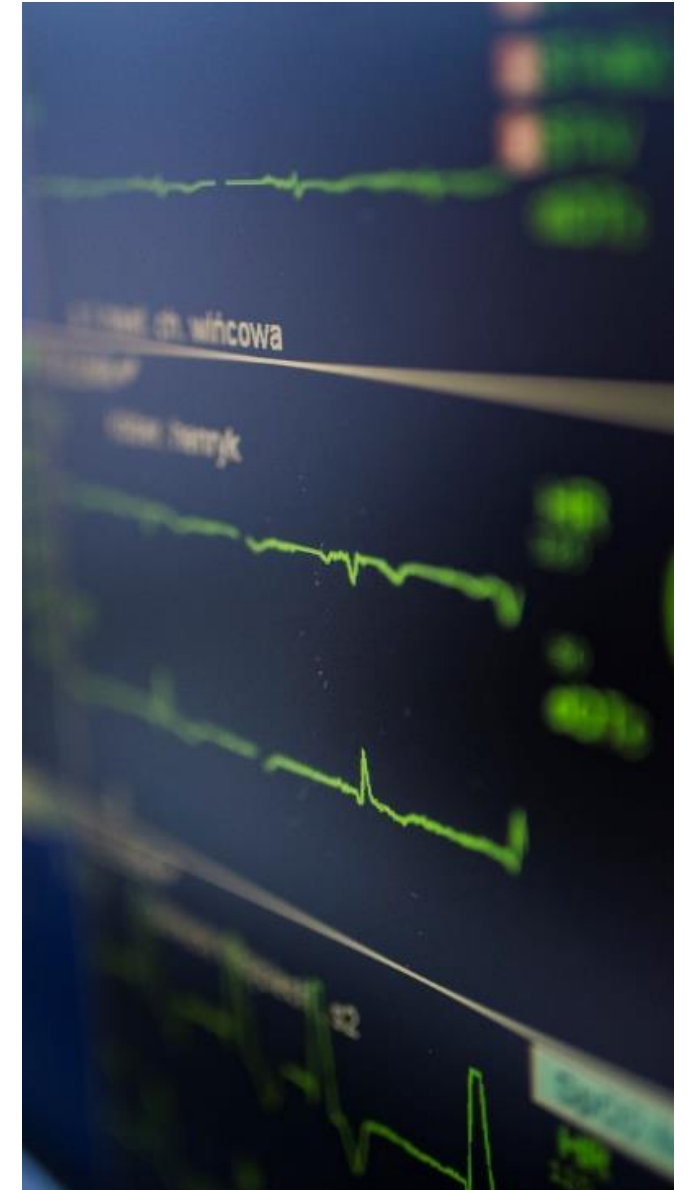


Internationalisation

- the most internationalised university in northern Poland
- **60** contracts under the **Erasmus +** programme
- **foreign accreditations:** Medical Board of California, Medical Council of Thailand, National Committee on Foreign Medical Education and Accreditation, Ministry of Health and Medical Education of the Islamic Republic of Iran, Hashemite Kingdom of Jordan Ministry of Higher Education & Scientific Research, FAIMER – Foundation for Advancement of International Medical Education and Research
- a member of: the Baltic Sea Region University Network, EUPRIO, IRO's Forum, Study in Poland, Integration of Immigrants and Immigrants programme, Study in Pomorskie,
- **international rankings:** ARWU, World Federation for Medical Education and the Foundation for Advancement of International Medical Education and Research, CWTS Leiden Ranking, THE Impact Rankings 2022, QS World University Rankings By Subject 2022

Unique clinical activity

- Multi-organ transplantation
- multi-profile transplant centre: heart, kidneys, lungs, liver, pancreatic islets, cornea, marrow
- mechanical thrombectomy – the first in Poland for a child
- radiotherapy and oncological chemotherapy
- hyperbaric medicine
- hematology of children and adults
- invasive cardiology and electrocardiology



The MUG hospitals

- patient treatment in of the most modern hospital complexes in Europe
- top-class hospital equipment
- innovative diagnostics and treatment methods
- hospitals: University Clinical Centre, University Centre of Maritime and Tropical Medicine, University Centre of Family Medicine, University Dentistry Centre



University Clinical Centre

The Invasive and Non-Invasive Medicine Centre

UCK Uniwersyteckie
Centrum Kliniczne



UCC recognised by the European Reference Networks

In February 2022 the MUG's clinical hospital joined three new European Reference Networks:

- **EuroBloodNet** (*European Reference Network on Rare Hematological Diseases*),
- **ERN ITHACA** (*European Reference Network on Rare Congenital Malformations and Rare Intellectual Disability*),
- **ERN ERNICA** (*European Reference Network for rare Inherited and Congenital (digestive and gastrointestinal) Anomalies*).

University Clinical Centre also cooperates with:

- **ERKNet** (*European Rare Kidney Diseases Reference Network*),
- **PaedCan-ERN** (*European Reference Network for Paediatric Cancer – haemato-oncology*),
- **ERN eUROGEN** (*European Reference Network on Rare and Complex Urogenital Diseases and Conditions*).

World's Best Hospitals 2021

- In the latest edition of **the World's Best Hospitals** ranking the **University Clinical Centre** was **ranked 2nd** in the best hospital in Poland category.

<https://www.newsweek.com/best-hospitals-2021/poland>



Unique treatment facilities



UCK
Uniwersyteckie
Centrum Kliniczne

- AO Spine Centre – first in Central-Eastern Europe
- Centre for Treatment of Obesity and Metabolic Diseases
- Children's Intensive Therapy Department
- Early Phase Clinical Research Centre
- Rare Diseases Centre
- Familiar Hypercholesterolemia Unit
- coordinated treatment – Breast Cancer Unit, Prostate Unit
- Supraregional Centre for the Treatment of Drug-Resistant Epilepsy
- Milk Bank
- Peritoneal Cancer Treatment Centre
- Thyroid Cancer Treatment Centre

Mutual cooperation – the MUG & UCC

The immediate vicinity of the MUG and the University Clinical Centre favors mutual cooperation and implementation of innovative scientific research and implementation projects.



University Centre of Maritime and Tropical Medicine

- an **independent clinical hospital** founded by the MUG
- hospitalizes **over 4000 patients** annually in 4 clinics:
 - Tropical and Parasitic Diseases
 - Cardiology and Internal Diseases,
 - Occupational and Internal Diseases
 - Maritime Medicine and Maritime Rescue
- conducts clinical activity in the fields of heart, vascular and infectious diseases, travel and work medicine
- has a highly specialised Diagnostic Imaging Department and endoscopic and diagnostic laboratories
- supervises outpatient rehabilitation activities in terms of cardiology and hyperbaric treatments:

For the purposes of fighting the COVID-19 pandemic on July 1st 2020 it has expanded its diagnostic facilities with a modern **Computed Tomography Laboratory** and in August set up **new modular clinical buildings**. The construction works finished in December 2021.



Uniwersyteckie Centrum
Medycyny Morskiej i Tropikalnej



MUG's strategy 2019-2025

Vision of MUG in 2025

- We are the leading medical university in the country and recognisable in the world, providing high quality education and research.
- We care about health and the development of medicine thanks to our graduates, employees and partners.
- We make up a modern and efficient organisation, inspiring students, doctoral students and employees to engage and develop.

Our Values





**Thank you for your
attention.**