



SECHENOV UNIVERSITY
LIFE SCIENCES

Founded in 1758



RECTOR'S WELCOME ADDRESS



Dear Colleagues,

In 2018, Sechenov University celebrated its 260th anniversary. In terms of medicine and healthcare, the University has now become the most highly respected academic center for research in Russia.

The University is developing the medicine of the future on this sound academic footing and is expanding its horizons through interdisciplinary channels in partnership with world leaders in engineering, technology and natural sciences. We seek to preserve and expand upon the heritage of our Russian Medical School.

In 2015, Sechenov University became the only medical university in Russia to participate in the 5-100 Project. The University development "Roadmap" supported by the International Council determines the basic strategy to develop life sciences. The strategy is based on the University's traditional strengths as well as expanding into new areas in conjunction with our interdisciplinary partners. In this regard, we have developed systemic biology, engineering, materials science and information and communication technologies. We believe these areas of research will be crucial to the digital economy. The University established the Science and Technology Biomedical Park and this has been fundamental to our transformation.

Our goal is to become not only the number one provider of medical training in Russia, but also one of the top medical schools worldwide. To achieve this goal, the University will continue to build effective partnerships with leaders in various fields. Uniting our strengths, together we are increasing our global competitive advantage to become established in new technologies and products as well to offer brand new educational programmes. Our priority is to enhance well-being and to develop a personalized and first-class medicine that offers life-long health care to the whole population.

Welcome to Sechenov University.

Rector

Pyotr Glybochko

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Sechenov University - the center of academic, scientific and resource excellence in the healthcare system

18 000+

students

3 500+

international students

5

institutes of Science and Technology Biomedical Park

117

departments

14

strategic development institutes

2 300

highly qualified lecturers

220

research fellows

100+

educational programs

7 000+

research publications

83

full members and corresponding members Russian Academy of Sciences

80

partner universities worldwide

8 000

employees

85 000

in-patients a year

**Interuniversity
Collaboration
Center
in Uzbekistan**



Double Diploma programs

44

PhD Faculty
members

430 000

out-patients a year

**Sechenov
University
Baku Branch
(Azerbaijan)**



465 students are trained
in "General Medicine"

145

international
specialists

45

honored physicians
of the Russian Federation

**The Faculty
of Pre-University
Training in Iran**



75%

professors
with PhD
or Doctorate
degrees

365

employees awarded
with an "Excellence
in Health" title

“High School – University – Clinic”: development of efficient continuous educational system

SECHENOV UNIVERSITY

SPECIALIZED MEDICAL CLASSES

In collaboration with Moscow government, Sechenov University set up a system of specialized medical classes in Moscow high schools.

108 participating schools.

6,000 Moscow high school students involved.

SECHENOV MEDICAL PREUNIVERSITARIUM

It is an educational project for high school students with classes taught by the university lecturers. The students are engaged in research projects in modern biological and chemical laboratories; they build practical skills within an original program of early vocational guidance.



115



BRICS 2019

Sechenov University offers higher education programs.

HIGHER EDUCATION

9 bachelor degree programs

9 specialist degree programs

15 master degree programs

79 residency programs

56 postgraduate research programs

CONTINUOUS TRAINING

over **100** retrainings and continuous training programs

15,800 participants





INTERNATIONAL “MEDICINE OF THE FUTURE” SCHOOL

The school for the training of physicians of the future.

Over **700** students.

EDUCATIONAL PROGRAMS:

- “General Medicine”, “Personalized Medicine”
- “General Medicine”, “Physician-Researcher”
- “Medical Biochemistry”
- “Medical Biophysics”
- “Mechanics and mechanical modeling”
- “Information systems and technologies”
- “Nanomaterials”
- “Material science and technology”
- “Intelligent systems in humanities”

SCHOOLS OF EXCELLENCE

44 schools
650+ students

The University training project which enables the students to acquire hands-on experience in future specialty. The training is based on the Mentor Medicus virtual clinic and Praxi Medica medical practice center.

PROFESSIONS OF THE FUTURE

- Tissue engineer
- Molecular nutritionist
- Nanomaterial specialist
- Bioanalyst
- Network doctor
- IT-medical
- Genome management specialist



Higher education training programs for a new generation of leaders.

SECHENOV UNIVERSITY



MASTER PROGRAMS CENTER

SPECIALTIES:

- “Biotechnology”
- “Mechanics and Mathematical Modeling”
- “Nanomaterials”
- “Information systems and technologies”
- “Industrial Pharmacy”
- “Biology”
- “Material science and technology”
- “Intelligent systems in humanities”
- “Public Health”
- “Economics”
- “Management”
- “Social worker”
- “Sociology”
- “Linguistics”
- “Special (defectology) training”



POSTGRADUATE, DOCTORAL AND RESIDENCY PROGRAMS

79 residency programs

56 postgraduate programs

14 postdoctorate programs

Full-time postgraduate program is a unique project for talented and motivated young researchers who are able to develop into modern researchers and world-class specialists.

INTERNATIONAL EDUCATION CENTER

The Center for the student training coordination and strengthening of the University international collaboration with over 80 countries worldwide.

SPECIALTIES:

- “General Medicine”
- “Pharmacy”
- “Dentistry”
- “Pediatrics”

Graduates can join the clinical residency, master, postgraduate and postdoctorate programs.



SCIENCE AND TECHNOLOGY BIOMEDICAL PARK

The Biomedical park develops cutting-edge medicine to cure many diseases and sets up a system of personalized continuous health management.



- Institute for Bionic Technology and Engineering
- Institute for Regenerative Medicine
- Institute for Molecular Medicine
- Institute for Translational Medicine
- Institute for Personalized Medicine

Institute for Bionic Technologies and Engineering

Development of artificial organs and bionic prostheses, hemocompatible anticoagulant coatings for implants, as well as tissue engineering, smart diagnostics and organs-on-chips.

LABORATORIES:

- Laboratory of Wearable Biocompatible Devices and Bionic Prostheses
- Laboratory of Biomedical Nanotechnology

Institute for Molecular Medicine

Search for, identification and study of new molecular markers and targets of human pathologies (oncological, hereditary, infectious), the mechanisms of their involvement and manifestation in the disease development and the ways of therapeutic impact on the disease.

Institute for Regenerative Medicine

Development of interactive smart scaffolds for tissue engineering, 3D-models for tissue engineering forecasts, 3D organs and tissues bioprinting.

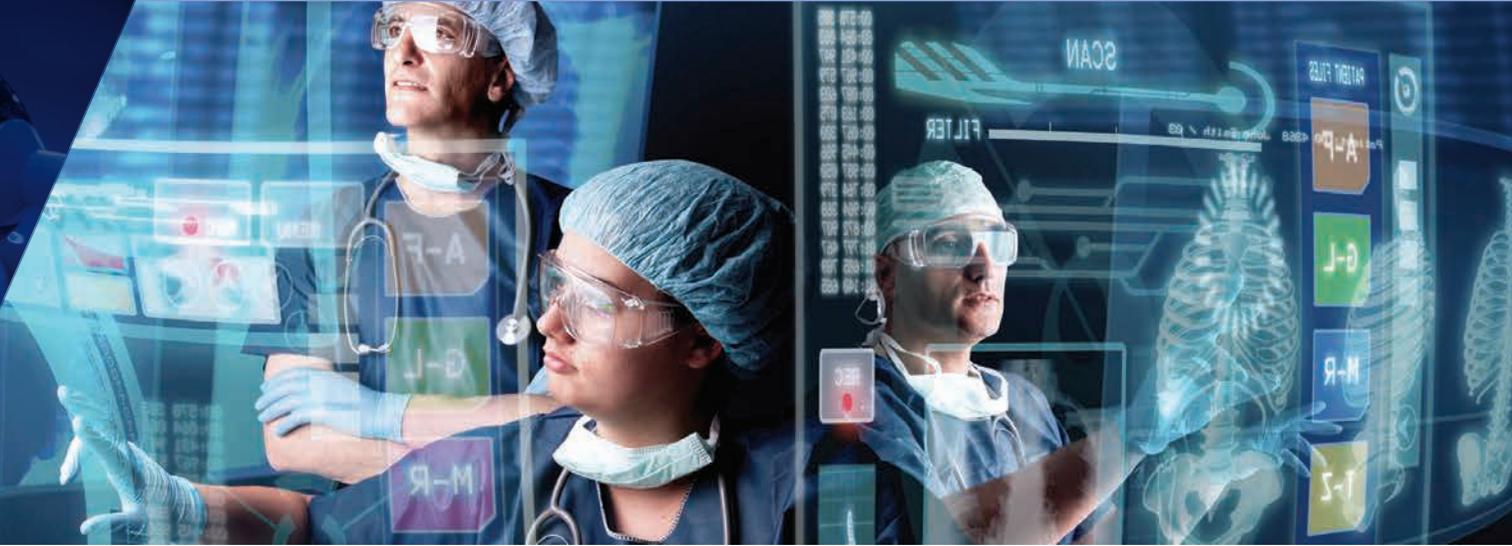
Institute for Translational Medicine and Biotechnology

Development of the effective research and educational environment capable of developing innovative biomedical products and to performing full range research.

Institute for Personalized Medicine

Development of new approaches to the diagnosis, prevention, treatment and rehabilitation based on the latest achievements of personalized medicine.

STRATEGIC DEVELOPMENT INSTITUTES



The Institutes' goal is the collaboration of education, science and clinical practice.

- Institute for Pediatrics
- Institute for Clinical Medicine
- Healthcare Management and Leadership Institute
- Institute for Linguistics and Intercultural Communication
- Martsinovskiy Institute for Medical Parasitology, Tropical and Transmissible Diseases

RESEARCH AND INNOVATION

- Institute for Public Health
- Institute for Continuous Medical Education
- Institute for Social Sciences
- Institute for Dentistry
- Institute for Urology and Human Reproductive Health
- Institute for Pharmacy
- Institute for Digital Medicine
- Institute for E-learning in Medicine



A full range of medical services: diagnosis, treatment, rehabilitation after illness.



6
hospitals



25
university clinics



430 000
out-patients annually



85 000
in-patients annually



The sanatorium



The rehabilitation clinic



The center of traditional medical systems



The oncological cluster



The dental center

HUMAN RESOURCES



75 countries whose citizens are students of Sechenov University

over **140** of the University employees are members of international scientific and professional societies and associations

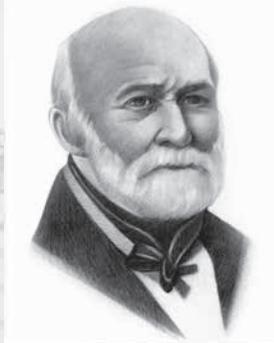
over **120** international scientific and practical events every year

8 educational programs accredited in 10 countries





GRADUATES



Nikolay Pirogov

The founder of anesthesiology and battlefield surgery in Russia, author of the first atlas of topographic anatomy.



Nikolay Sklifosovsky

Professor, author of books on battlefield surgery, abdominal surgery and dentistry.



Ivan Sechenov

The founder of the school of physiology. He discovered the inhibition center in the thalamus, the phenomenon of central inhibition, spontaneous biocurrentoscillations in the medulla.



Anton Chekhov

A great prose writer, playwright, physician who made a huge contribution to classical world literature. His works are translated into over a hundred languages.





**Leo
Bokeria**

The chief heart surgeon of the Ministry of Health of the Russian Federation. He developed and implemented methods of diagnosis and surgical treatment of cardiac diseases.



**Mehriban
Aliyeva**

PhD (Philosophy), Azerbaijani State, political and public figure, First Vice President of Azerbaijan.



**Renat
Akchurin**

A famous cardiac surgeon, who developed unique technologies in reparative vascular and cardiac surgery.



**Edward
Bezuglov**

The physician of the Russian national football team, the chairman of the Russian Football Union medical committee, Professor of the department of Sports Medicine and Rehabilitation at Sechenov University.



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