

EXPORT  
CHAMPION



RĪGA STRADIŅŠ  
UNIVERSITY



MAGNETIC  
LATVIA



# RĪGA STRADIŅŠ UNIVERSITY

RSU one of the most modern universities in the Baltics with an extensive choice of study programmes in health care and the social sciences, a strong foundation in research and international recognition.

## 68 STUDIES:

study programmes

Rīga Stradiņš University (RSU) has been recognised as the best university with the highest reputation in Latvia. There are 8,800 students including 2200 international students coming from 53 countries.

## 11 STUDY PROGRAMMES IN ENGLISH:

programmes in English

RSU offers the following study programmes to international students – undergraduate study programmes: Medicine, Dentistry, Pharmacy, Nursing, Occupational Therapy and Physiotherapy and postgraduate study programmes: Public Health, Health Management, Social Work with Children and Youth, Rehabilitation, International Governance and Diplomacy.

## MAIN FIGURES:

# 9100

students

# 2200

international students

# ~50

student source countries

International excellence and quality appraisal has been achieved by five UL study programs:

- Bachelor's and Master's programs "Computer Science" have been awarded the European Quality Assurance Network for Informatics Education (EQANIE) accreditation certificates;
- Bachelor's and Master's programs "Chemistry" have been awarded the European Chemistry Thematic Network Association (ECTNA) certificate "Eurobachelor";
- Professional Master's program "Written Translation" has been awarded the certificate "European Master's in Translation", confirming inclusion of the programme in the cooperation network established by European Commission, Directorate-General for Translation.

# 9 FACULTIES

## FACULTIES & DEPARTMENTS

- Faculty of Medicine
- Faculty of Rehabilitation
- Faculty of Public Health & Social Welfare
- Faculty of Pharmacy
- Faculty of Dentistry
- Faculty of Continuing Education
- Faculty of European Studies
- Faculty of Communication
- Faculty of Law
- Doctoral Studies
- International Student Department
- Department of Humanities
- Language Centre
- Liepāja branch
- Red Cross Medical College of RSU



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## REPUTATION LEADER

Rīga Stradiņš University (RSU) has been recognised as the best university with the highest reputation in Latvia, gaining the highest rating among the 10 largest universities in Latvia according to a study of the reputation of Latvian universities conducted by market research company Kantar TNS in 2018.

## EXPORT CHAMPION

Rīga Stradiņš University (RSU) has received the title of Export Champion at the Export and Innovation Awards which the Investment and Development Agency of Latvia organises together with the Ministry of Economics.



RĪGAS STRADIŅA  
UNIVERSITĀTE



# RESEARCH

## LEADING AREAS OF RESEARCH:

- Oncology
- Occupational and environmental health
- Infectious diseases and immunology

## GROWING RESEARCH AREAS:

- Dosage form technologies (pharmacy)
- Rehabilitation and ageing, nutrition science and sports medicine
- Maternal and child health
- Neuroscience and neurological disorders
- Chronic diseases, therapy algorithms, new treatment methods
- Nuclear medicine, imaging and modern imaging techniques
- Humanities (philosophy of medicine, medical ethics, deontology, bioethics, research ethics, medical history, medical terminology)
- Literary studies of human health, lifestyle and medical achievements

## INTERDISCIPLINARY RESEARCH AREAS:

- Anatomy, embryology, histology, pathology, structural biology
- Anaesthesiology and rheumatology, emergency and military medicine
- Healthcare sciences
- Public health
- Social policy, health economics, management science, teaching technologies in health sectors

# 800 / 1500

The total number of publications by RSU staff in international journals (per last 5 years) are more than 800, but in national journals (per last 5 years) – more than 1500.

## RSU PUBLICATIONS & CITATIONS IN SCOPUS, ISI WEB OF KNOWLEDGE (SCI) & PUBMED

## RESEARCH FUNDING

Sources of funding for research at RSU:

- European Union Structural Funds
- European Union Horizon 2020 programmes
- Internal funding for research
- COST activities by the European Science Foundation
- National funding for ERA-NET project implementation
- National research programmes
- Research-related on contracts; etc.

## RESEARCH CAPACITY

# 66

professors

Scientific activities in fields corresponding to the RSU profile are carried out under the supervision of 66 professors.

# 12

laboratories

At the end of the academic year 2016/2017 RSU-elected permanent academic staff consisted of 530 people, 392 of whom had a scientific degree, 303/224 as expressed in full-time equivalents.

# 5

institutes

Research at RSU is conducted in 12 laboratories and 5 Institutes.

# 672

students undertaking Graduate Medical Training

# 200

doctoral students

# 35

study bases

## DOCTORAL STUDIES

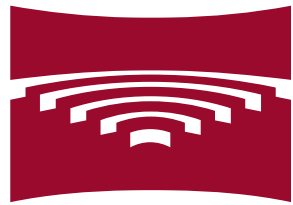
RSU has five doctoral programmes – in medicine, pharmacy, sociology, legal science, and political science. There are more than 200 doctoral students in 2018.

# PATENTS

# 55

Research results in registration of industrial property rights for more than 55 patents in Latvia and international level.





# RĪGA STRADIŅŠ UNIVERSITY

## INSTITUTE OF ONCOLOGY

The Institute of Oncology aims its activities in the areas of scientific research, educational work as well as the promotion of academic degrees and continuous education in the fields of oncology and personalised medicine. One of the important goals of the Institute is to encourage the awareness of hereditary and sporadic oncological diseases among health care specialists and the general public.

## INSTITUTE OF MICROBIOLOGY AND VIROLOGY

Institute of Microbiology and Virology performs scientific activity in the fields of microbiology, virology and biotechnology. Institute manages and implements theoretical and practical research projects at national, international and also university's level and provides services to public and private contractors in fulfilling market-oriented orders, specialised expert examinations, etc.

## INSTITUTE OF PUBLIC HEALTH

The objective of the RSU Institute of Public Health is to carry out research, undertake academic training and promote the acquisition and improvement of scientific qualifications in the area of public health and healthcare organisation. Objectives of the Institute:

- Scientific expertise in the areas of public health, health management, health economics and health technology assessment;
- Research, development and approbation of innovative research methods, cooperation with research institutes in other countries;
- Drafting of scientific evidence-based guidelines and standards;
- Participation in national and international scientific grants, programmes and research projects.

## INSTITUTE FOR OCCUPATIONAL SAFETY AND ENVIRONMENTAL HEALTH

Institute for Occupational Safety and Environmental Health conducts research in the area of improvement of occupational environment conditions, early diagnosis of occupational diseases, improvement of health condition, working abilities, and life quality of the employees. Institute's substructure is Laboratory of Hygiene and Occupational Diseases.

The main functions of the **Laboratory of Hygiene and Occupational Diseases** are research and prevention of occupational and environmental risk factors as well as professional services in occupational safety and health to companies.

## INSTITUTE OF THE HISTORY OF MEDICINE

Institute of the History of Medicine is the only institute in the Baltics that is dedicated to research and training in medical history. The Institute's staff conduct research and pedagogical work, run the Latvian Association of Medical Historians, and publish the academic journal *Acta medico-historica Rigensia*, in co-operation with the Pauls Stradiņš Museum for History of Medicine.

## SCIENTIFIC LABORATORY OF BIOCHEMISTRY

The Scientific Laboratory of Biochemistry offers scientific and medical research cooperation in the areas of biochemistry, and development of new methods and technologies. RSU Scientific Laboratory of Biochemistry is a certified laboratory that participates in the comparative inter-laboratory quality assurance system and also in the international external quality assurance system provided by Labquality Oy (Finland).

## ANDROLOGY LABORATORY

Andrology Lab conducts research in the area of reproductive medicine and andrology. Lab main research directions are: the impact of sperm chromatin structure on fertility functions in male, polymorphism of androgen receptors, reproductive indicators of general Latvian population of young male and influencing factors, likewise molecular biology of reproduction.

## SCIENTIFIC LABORATORY OF MOLECULAR GENETICS

The Scientific Laboratory of Molecular Genetics conducts research in the area of the genetic causes of diseases, diagnostics of rare diseases, application of genetic biomarkers in diagnostics and disease forecasting. The Scientific Laboratory of Molecular Genetics (SLMG) have received certificates from international external quality control schemes: Cystic Fibrosis Network, DGKL (Deutsche Vereinigte Gesellschaft für Klinische Chemie und Laboratoriumsmedizin), Instand UKNEQA and EMQN (European Molecular Genetics Quality Network) and is registered with the Register of Medical Treatment Institutions under No.019218301.

## JOINT LABORATORY OF CLINICAL IMMUNOLOGY AND IMMUNOGENETICS

The Joint Laboratory of Clinical Immunology and Immunogenetics is capable of providing a comprehensive range of services in laboratory diagnostics and immunogenetics.

Research directions: Infections and autoimmune diseases, the impact of HLA class I, II, III alleles on disease progression and treatment response; Bioinformatic study of HIV epitopes on the surface of antigen-presenting cells in HLA class II genes; Drug resistance during immune response; and Clinical applications and research of Major Histocompatibility Complex.

## RADIOLOGY RESEARCH LABORATORY

The area of operation of the Radiology Research Laboratory is research in radiological diagnostics and treatment. The tasks of the Laboratory are related to research and development of new diagnostic and treatment methods in radiology of oncology and other major diseases, raising of public awareness on the latest developments in the field of radiology, provision of information on the latest research outcomes which could serve the purpose of improving diagnostics and patient care, likewise assistance in developing guidelines and pilot projects for health technologies, etc.



## PSYCHOLOGY LABORATORY

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The objective of the Psychology Laboratory is to ensure the development, adaptation and approbation of psychological research and assessment instruments according to modern scientific requirements, and to advise RSU academic personnel and students on the issues of psychometry.

## SCIENTIFIC LABORATORY OF BIOMECHANICS

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The functions of the Scientific Laboratory of Biomechanics concern experimental and theoretical research of soft and hard tissue of the human body under various loading conditions, research of biocompatibility of biological tissue and its replacements, development of biological tissue replacements from the perspective of mechanical properties and structure of composite materials, nanostructured materials and tissue engineering.

More information [www.rsu.lv/en/research/institutes-and-laboratories](http://www.rsu.lv/en/research/institutes-and-laboratories)

## POINTS OF EXCELLENCE

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**MEDICINE PLATFORM (MP)** conducted fundamental and applied research, clinical research, and provided services and expertise for industry and other research institutions in a total value of 34 MEUR (2013 - 2018). MP published in total 6126 publications, of these 14% in journals indexed in Web of Science and SCOPUS. The TOP5 H-index of MP is 22. The platform provided the research basis for 95 successfully defended dissertations.

MP conducts research in General Medicine, Dentistry and Pharmacy. General medicine and dentistry are the leading research directions where MP has accumulated long-term experience, knowledge, research base and competitive edge. Pharmacy is a development direction, i.e., the most perspective considering industry and market trends, as well as the current and potential research capabilities of the university.

**PUBLIC HEALTH PLATFORM (PHP)** is public and environmental health science coordination body that focuses RSU efforts and resources to conduct excellent research and facilitate effective health promotion, health care organization and occupation environment improvement in Latvia.

Researchers and academic staff of PHP conducted fundamental and applied research, provided services and expertise for industry and other research institutions in total value of 9.5 MEUR. The total number of publications for the assessment period is 1269, of these 19% in journals indexed in Web of Science and SCOPUS, TOP5 H-index of PHP at RSU is 11.6. The platform provided the basis for 13 successfully defended dissertations.

**SOCIAL SCIENCE PLATFORM (SSP)** focuses RSU resources to conduct excellent research and to provide recommendations to the national and international policy makers, industry and society at large.

Academic personnel and researchers of SSP conduct research, provide analytical services and expertise for different public and industry organizations, and society at large. The total number of publications for the assessment period is 1685. Of these in journals indexed in WoS and SCOPUS - 45. A large share of publications are policy reports and opinion papers on various societal issues. The platform provided basis for 36 successfully defended dissertations.

## TECHNOLOGY TRANSFER OFFICE

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