



Connecting Russian and European Measures
for Large-scale Research Infrastructures

St Petersburg University

RESEARCH PARK

+ 1. Location of the facility (indicating the place on the map of the Russian Federation)

Saint Petersburg, Russia



2. Facility uniqueness (key advantages and opportunities open up for researchers)

Research Park of SPbU is an infrastructure of SPbU which includes 26 core facility centers (CFC)

Research Park in figures:

- The total equipment cost – more than 7.5 billions roubles
- The total area – 30 000 square meters
- The number of ongoing projects – more than 3000 (as at the end of 2019)
- The number of researchers – more than 4000 (as at the end of 2019)
- The number of completed tasks on request of researchers per day – more than 200 (as at the end of 2019)

The main expertise of SPbU Research Park

- Research with the participation of university scientists and teachers
- Complex and one-time studies on the equipment of SPbU Research Park
- Internships and additional educational programs, including the development of individual programs

3.Existing types of access to the facility (direct, remote, online, etc.)

The SPbSU Research Park provides direct access to core facilities and has technical capabilities for remote/online access

The SPbSU Research Park has introduced the integrated e-system of incoming requests from researchers which allows researchers using the whole SPbSU Research Park equipment after once having been registered in the system.

After getting the approval of the incoming request from representatives of the SPbSU Research Park in the integrated e-system the users bring their studied samples to a core facility center and start working within the framework of research tasks.

Due to different technical characteristics and costs of the SPbSU equipment, direct access to the equipment is not provided for all items and to some of them only in case of confirmed qualification of the user to work on the equipment. When the users are not provided by the direct access to the equipment the work is done by specialists of the SPbSU Research Park.

Due to the notification system, the users are timely informed on all the actions within the framework of the projects and measurements, also they have remote access to the results of their work. The users can monitor the work within their projects in person or remotely.

4. Open access \ Regulated access to the facility (if available)

Research Park operates in accordance with **the principals of equal access** which means the common opportunities for affiliated with SPbU researchers and students and for external users of the equipment if the rules of using core facility equipment are followed.

The basic rule is

an agreement of granting to SPbU Research Park co-ownership of intellectual property in case of the scientific collaboration

or

a financial contract in case of working on SPbU Research Park equipment for payment.

The rules are reflected in Regulations and Standards of SPbU Research Park (researchpark.spbu.ru/en/kak-vypolnit-rabotu-v-resursnykh-tsentrakh).

5. Procedures and internal access policies for external users (including foreign users), availability of special type visa (for scientists, etc.)

Rules for external users of the SPbU Research Park equipment:

- In the framework of signed agreements on scientific cooperation between institutions with joint intellectual property clause. In case of such an agreement all services are provided free of charge with mandatory joint publications of research results.
- In the framework of financial contracts in accordance with the approved standard price (researchpark.spbu.ru/services).
- For foreign scientists SPbU provides administrative support to get special type visa after signing of the agreement on scientific cooperation.

6. Main users of the facility (employees of the organization/external users (Russian or foreign), if foreign – specify the main partners).

Users of SPbU Research Park facilities

- Employees of SPbU
- Students of SPbU
- Russian external institutions and other interested parties

Foreign institutions main partners:

- Aston University, United Kingdom
- Institute of Biochemistry, Ukraine
- European Bioinformatics Institute, Germany
- University of Oslo, Norway
- University of Helsinki, Finland

7. Cooperation with the European RI facilities (visits, exchange of experience, knowledge, etc.) (if no cooperation built yet – indicate the priority RIs for the future cooperation)

Priority Research Infrastructures for the future cooperation in the field of

- Biomedicine and Health Science
- Nanotechnology and Materials Science
- Ecology and Nature Management
- Information Systems and Technology

8. Brief analyses of the facility (strengths, prospects for international development)

The SPbU Research Park has core facilities centers in different fields of modern science including Biomedicine and Health Science, Nanotechnology and Materials Science, Ecology and Nature Management, Information Systems and Technology.

The SPbU Research Park provides the equal access for all users, affiliated with SPbSU and external, including foreign institutions and scientists.

The SPbU Research Park has integrated e-system for the management of on-going projects under a common interface for specialists of Research Park and users as well as for the whole equipment of research Park. The e-system provides remote access to core facility centers for researchers.

The equipment of SPbU Research Park is constantly updated thus generating the potential for future development of science and technology.

9. Facility website screen shot and link (English version is highly required)

spbu.ru

Saint Petersburg University

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EXCELLENCE IS NEVER AN ACCIDENT

QS WORLD UNIVERSITY RANKINGS AACSB AMBA EQUIS

Saint Petersburg

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Nobel prize winners

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Festivities

Accommodation

Administration ▾

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By-laws and Regulations

University: A Fresh Start

Job opportunities

Dear Friends,

For more than 250 years, St Petersburg University has been committed to advancing science and training highly qualified professionals. The University dates back to 1724, when Peter the Great founded the Academy of Sciences and Arts as well as the first Academic University and the university preparatory school in Russia.

We take special pride in the constellation of our outstanding staff and alumni. SPbU has given the world many famous people in science, politics, business, sports, literature, and art. The University has Nobel Prize winners among its staff and alumni: physiologist Ivan Pavlov, biologist Ilya Mechnikov, physical chemist Nikolay Semyonov, physicists Lev Landau and Aleksandr Prokhorov, mathematician and economist Leonid Kantorovich. SPbU is also an alma mater to outstanding researchers, scholars, academics, political and social leaders: Dmitry Mendeleev, Vladimir Vernadsky, and Dmitry Likhachev to name but a few. The world owes to our University most prominent cultural leaders, writers and artists: Ivan Turgenev, Pavel Brullov, Alexander Blok, Alexandre Benois, Sergei Diaghilev, and Igor Stravinsky. Among the University alumni we are also proud to mention leaders of the Russian Government: Boris Stürmer, Alexander Kerensky, Vladimir Lenin, Presidents of the Russian Federation Vladimir Putin and Dmitry Medvedev.

Today, by bringing together traditions and innovations, St Petersburg University sets the pace for the development of science, education, and culture in Russia and across the world. We are consistently ranked highly in international university rankings (Times Higher Education World Reputation Rankings, Quacquarelli Symonds World University Rankings, Academic Ranking of World Universities) and subject rankings, which proves the success of our development strategy. We have leading universities and major corporations as our academic and business partners.

The University is fully-equipped to provide a diverse range of opportunities for education, research, and creativity: the richest M. Gorky Scientific Library, a comprehensive digital collection of scholarly editions, a state-of-the-art Research Park, laboratories headed by leading scientists, museums, a publishing house, sports clubs, a University choir, orchestras, drama and dance studios, and many more.

In 2009, the Federal Law granted St Petersburg University and Moscow State University the special status of 'unique scientific and educational complexes ... instrumental in the development of the Russian society'. SPbU was granted a privilege to set its own educational standards, award its own diplomas and state-

Saint Petersburg University

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HER NAME WAS EGORIA.
NEW SALAMANDER FROM JURASSIC PERIOD WAS DISCOVERED BY THE PALEONTOLOGISTS

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Research Park

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Intellectual Property

The resource centres are essential constituents of research infrastructure (the Research Park) at St Petersburg University. The first centres were established as long ago as 2010, and since then creation of the new ones has never ended. The centres possess unique cutting-edge equipment that enables innovations in research and educational programs. They generate intellectual and creative potential of the University, fuel SPbU's scientific and technological development, and foster its socio-economic growth. The resource centres contribute to the goals of SPbU Strategic Plan 2020 aimed at making SPbU one of the world's leading classical universities and providing academic and scientific support of the state policy of Russia's innovative development.

The outstanding intellectual and academic environment of the oldest Russian university serves the basis for the 26 resource centres that are now an integral part of the SPbU Research Park. The centres employ the experience, knowledge and research achievements of the previous generations. Each center covers a research area related to one of the four priority spheres which define the common strategy of the University's research.

SPbU resource centres target the following priority spheres:

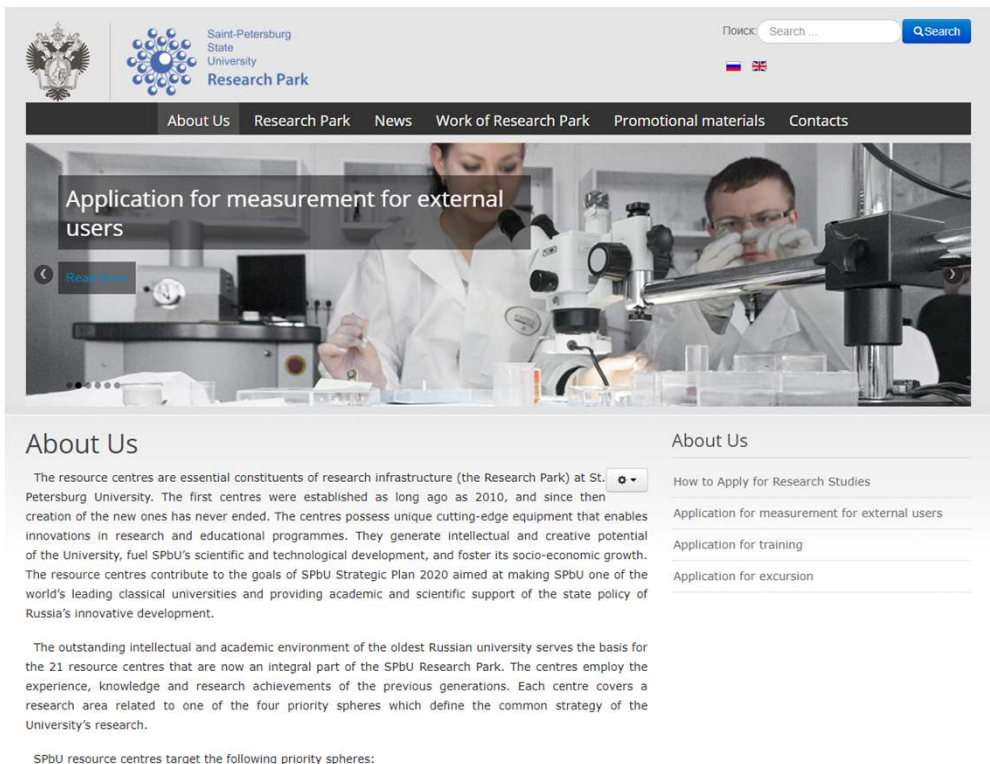
- Nanotechnology and Materials Science
- Biomedicine and Human Health
- Information Systems and Technology
- Ecology and Nature Management

Fourteen resource centres are working in the area of Nanotechnology and Materials Science:

- Magnetic Resonance Research Centre
- Centre for X-ray Diffraction Studies
- Chemical Analysis and Materials Research Centre
- Centre for Optical and Laser Materials Research
- Centre for Physical Methods of Surface Investigation
- Centre for Thermogravimetric and Calorimetric Research
- Centre for Nanofabrication of Photoactive Materials

+ 9. Facility website screen shot and link (English version is highly required)

researchpark.spbu.ru



The screenshot shows the English version of the Saint-Petersburg State University Research Park website. The header includes the university logo, a search bar, and navigation links: About Us, Research Park, News, Work of Research Park, Promotional materials, and Contacts. A large banner image shows two researchers in a lab, with the text "Application for measurement for external users" overlaid. Below the banner, the "About Us" section is visible, describing the research infrastructure and the 21 resource centres. A sidebar on the right lists links: "How to Apply for Research Studies", "Application for measurement for external users", "Application for training", and "Application for excursion".

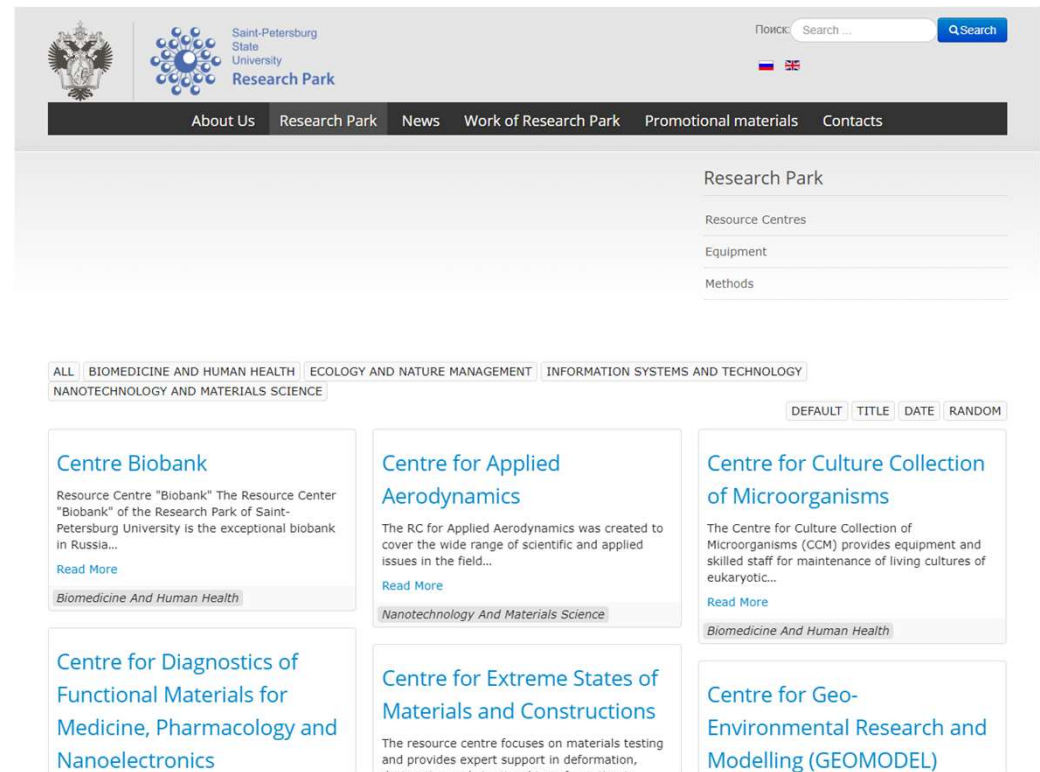
About Us

The resource centres are essential constituents of research infrastructure (the Research Park) at St. Petersburg University. The first centres were established as long ago as 2010, and since then creation of the new ones has never ended. The centres possess unique cutting-edge equipment that enables innovations in research and educational programmes. They generate intellectual and creative potential of the University, fuel SPbU's scientific and technological development, and foster its socio-economic growth. The resource centres contribute to the goals of SPbU Strategic Plan 2020 aimed at making SPbU one of the world's leading classical universities and providing academic and scientific support of the state policy of Russia's innovative development.

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SPbU resource centres target the following priority spheres:

- How to Apply for Research Studies
- Application for measurement for external users
- Application for training
- Application for excursion



The screenshot shows the Russian version of the Saint-Petersburg State University Research Park website. The header is similar to the English version, but the navigation links are in Russian. A sidebar on the right lists links: "Research Park", "Resource Centres", "Equipment", and "Methods". Below the sidebar, there are tabs for different research areas: ALL, BIOMEDICINE AND HUMAN HEALTH, ECOLOGY AND NATURE MANAGEMENT, INFORMATION SYSTEMS AND TECHNOLOGY, and NANOTECHNOLOGY AND MATERIALS SCIENCE. The main content area displays a grid of resource centres, each with a title, description, and a "Read More" link. The centres include: Centre Biobank, Centre for Applied Aerodynamics, Centre for Culture Collection of Microorganisms, Centre for Diagnostics of Functional Materials for Medicine, Pharmacology and Nanoelectronics, Centre for Extreme States of Materials and Constructions, and Centre for Geo-Environmental Research and Modelling (GEOMODEL).

Research Park

- Resource Centres
- Equipment
- Methods

ALL | BIOMEDICINE AND HUMAN HEALTH | ECOLOGY AND NATURE MANAGEMENT | INFORMATION SYSTEMS AND TECHNOLOGY | NANOTECHNOLOGY AND MATERIALS SCIENCE

DEFAULT | TITLE | DATE | RANDOM

- Centre Biobank**
Resource Centre "Biobank" The Resource Center "Biobank" of the Research Park of Saint-Petersburg University is the exceptional biobank in Russia...
[Read More](#)
Biomedicine And Human Health
- Centre for Applied Aerodynamics**
The RC for Applied Aerodynamics was created to cover the wide range of scientific and applied issues in the field...
[Read More](#)
Nanotechnology And Materials Science
- Centre for Culture Collection of Microorganisms**
The Centre for Culture Collection of Microorganisms (CCM) provides equipment and skilled staff for maintenance of living cultures of eukaryotic...
[Read More](#)
Biomedicine And Human Health
- Centre for Diagnostics of Functional Materials for Medicine, Pharmacology and Nanoelectronics**
- Centre for Extreme States of Materials and Constructions**
The resource centre focuses on materials testing and provides expert support in deformation, destruction and structural transformation...
- Centre for Geo-Environmental Research and Modelling (GEOMODEL)**

11. Contact details (cell phone, e-mail)

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