



**POLYTECH**

Peter the Great  
St. Petersburg Polytechnic  
University

NATURAL SCIENCES

**MOLECULAR AND CELLULAR BIOMEDICAL  
TECHNOLOGIES**

**PROGRAM NAME:** Molecular and cellular biomedical technologies

**AWARD:** Master of Science

**DURATION:** 2 years, full time

**PARTICIPANTS:** Russian and international students

**PROGRAM OUTLINE:** The program gives insight into the international Research area in BioMedicine. The major goal of the program to train experts in a field of modern Biomedicine and Biotechnology (Immunobiotechnology). Students will be focused on scientific projects, and get skills by experimental courses and Research Diploma project. Peter the Great St. Petersburg Polytechnic University has a strong tradition to teach in the area of math and physics, in conjunction with biomedical courses it will give students more possibilities for future careers in Science and R&D. An interdisciplinary approach to solving scientific and practical problems is the most relevant in modern reality.

**CURRICULUM (GENERAL MODULES):**

MODULES	ECTS
General scientific Module	10
Basic Module	18
Profile Orientation Module	31
Module: Virology	16
Project Activity Module (incl. Research work, practice)	50
State final certification	6
Mobility Module	5
Total	120



**TEACHING STAFF:** professors and associate professors of SPbPU and invited professors

**ADMISSION REQUIREMENTS:**

- Bachelor's degree in Physics, Biology, Chemistry, Medicine, Biotechnology or an equivalent degree according to the educational system of the country they represent
- Level of English – Intermediate and more (provide a certificate)
- Entrance examination: Language Interview (personal or by Skype)

**PARTNERS:**

- Smorodintsev Research Institute of Influenza of Ministry of Health of the Russian Federation, WHO National Influenza Center
- Institute of Cytology of RAS
- Petersburg Nuclear Physics Institute named by B.P.Konstantinov of NRC «Kurchatov Institute»
- Universitair Ziekenhuis, Gent
- Institute of Human Virology, University of Maryland, Baltimore

**CAREER OPPORTUNITIES:** With the knowledge and practical skills in Biomedicine and Immunobiotechnology, the graduate can work as administrative and scientific persons in Educational and Research institutions, in R&D centers, in commercial biotechnological companies.

