MOLECULAR AND CELLULAR BIOMEDICAL TECHNOLOGIES
PROGRAM NAME: Molecular and cellular biomedical technologies

AWARD: Master of Science

DURATION: 2 years, fill 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. Petersbourg 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):

<table>
<thead>
<tr>
<th>MODULES</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>General scientific Module</td>
<td>10</td>
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<tr>
<td>Basic Module</td>
<td>18</td>
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<tr>
<td>Profile Orientation Module</td>
<td>31</td>
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<tr>
<td>Module: Virology</td>
<td>16</td>
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<tr>
<td>Project Activity Module (incl. Research work, practice)</td>
<td>50</td>
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<tr>
<td>State final certification</td>
<td>6</td>
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<tr>
<td>Mobility Module</td>
<td>5</td>
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<td>Total</td>
<td>120</td>
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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.