

<p style="text-align: center;"><b>Area of study 06.04.01 Biology</b> <b>Program: Genetics</b></p> <p>Degree: master  Program length: 2 years  Form of training: intramural  Language: Russian  Credits: 120  Start date: September 2020  Location: Academy of Biology and Biotechnologies, Rostov-on-Don</p> <p><b>Entry requirements:</b>  An applicant has to possess the fundamentals of biology, the basics of modern achievements in genetics and genomics, the basic laws of the organization of prokaryotes and eukaryotes, the mechanisms underlying the transmission and implementation of hereditary information by various forms of living matter; to know the main growth areas of genetics and genomics.</p>	<p style="text-align: center;"><b>Program overview:</b></p> <p><b>Program structure:</b>  Module 1. Disciplines  Module 2. Practical trainings (training for obtaining primary professional skills; project activities; work experience internship to obtain professional skills; pre-graduation practical training), including research work.</p> <p><b>Typical units of study may include:</b></p> <ul style="list-style-type: none"> <li>• Foreign language in professional communication</li> <li>• Philosophical concepts of natural science, history and methodology of biology</li> <li>• Modern computer technologies, bioinformatics databases, mathematical statistics</li> <li>• The doctrine of biosphere and assessment of anthropogenic factors impact on the environment</li> </ul> <p><b>Research areas:</b></p> <ul style="list-style-type: none"> <li>• Plant Genetics</li> <li>• Human Genetics</li> <li>• Bacteria Genetics</li> </ul>	<p><b>Careers:</b>  The employers are both municipal and commercial entities: Rostov Research Oncological Institute, Rostov-on-Don Institute for Plague Control, Rostov Research Institute of Microbiology and Parasitology, Rostov Regional Diagnostic Center, Research Institute of Obstetrics and Pediatrics, the Centers of Hygiene and Epidemiology in Rostov region, clinical diagnostic laboratories of Rostov region hospitals, the agricultural company Yug Rusi, the production company Atlantis-Pak, and others.</p> <p><b>Get in touch:</b>  - Mashkina Elena Vladimirovna  - Doctor of Biological Sciences  - +79054798481  - lenmash@sfedu.ru  - ScopusID - 6604042439</p>
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