

Microbiology, Master Studies Programme, 2026

Institution		Department/Laboratory	Themes
Life Sciences Center	Institute of Biosciences	Department of Microbiology and Biotechnology	Antimicrobial Photoinactivation and AI-2 Based Quorum Sensing Potential Studies in Thermophilic Bacteria Study of the Biodegradation Potential of Hydrocarbons in Soil Samples from Urban Green Spaces in Vilnius Molecular Studies of Pyrethroid-degrading Bacterial Carboxylesterases
		Department of Biochemistry and Molecular Biology	Use of Bacterial Outer Membrane Vesicles in Antibiotic and Photodynamic Therapy Combination against <i>Acinetobacter baumannii</i> Search for Factors of Totivirus Localization in the Host Cell
	Institute of Biochemistry	Department of Bioelectrochemistry and Biospectroscopy	Investigation of Streptolysin Activity on Artificial Lipid Membranes
	Institute of Biotechnology	Department of Immunology	Characterisation of Monoclonal Antibodies against Streptolysin O and Use for Antigenic Structure Analysis
			Synthesis of Torque teno Virus Capsid Protein in Bacteria
State Scientific Research Institute Nature Research Centre		Laboratory of Plant Physiology	Effect of <i>Bacillus subtilis</i> on Cold Tolerance of <i>Brassica napus</i>
		Laboratory of Chemical and Behavioural Ecology	The Effect of Gut Microbiota and Volatile Compounds on the Behavior of <i>Tenebrio molitor</i> and <i>Tenebrio obscurus</i>
		Laboratory of Ecotoxicology	Effect of Nanoparticles on the Green Algae <i>Desmodesmus communis</i>
		Laboratory of Genetics	Identification of Unicellular Protozoa in Water Samples and Analysis of Their Viability at Different Times of the Year
Center for physical sciences and technology		Department of Functional Materials and Electronics	Modulation of the Functional Properties of the Microalga <i>Chlorella vulgaris</i> and the Bacterium <i>Serratia</i> sp. AR11 Using Different Growth Media and Pulsed Electric Field