Biochemistry, Master Studies Programme, 2021

Institution		Department/Laboratory	Themes
Life Sciences Center	**Institute of Biosciences**	Department of Biochemistry and Molecular Biology	Structural and Applied Studies of Torulaspora delbrueckii Virus TdV1 Capsid Protein
	Institute of Biochemistry	Department of Bioanalysis	Application of Complex Electrochemical Methods for Low Concentration Sample Analysis Using Enzyme Biosensors
		Department of Bioelectrochemistry and Biospectroscopy	Study of the Interaction of Hsp70 with Membrane Model Systems Study of the Interaction of Pro-inflammatory S100A9 Protein with Lipid Membranes
		Department of Molecular Microbiology and Biotechnology	Analysis of Protein Sequences Generated by Generative Adversarial Networks
	Institute of Biotechnology	Department of Protein – DNA Interactions	Oriented Soft DNA Curtains for Single-Molecule Interaction Studies
		Department of Biothermodynamics and Drug Design	Exploring the Binding Mechanism of Sulfonamides Bearing an Ester Group with Human Carbonic Anhydrases
		Department of Immunology and Cell Biology	Characterisation of Monoclonal Antibodies Against SARS-CoV-2 Nucleocapsid and Spike Proteins and Application for The Detection of Viral Antigens
		Sector of Microtechnologies	Development of a Single-Step Microfluidic Cell Sorting and RNA Barcoding System
Faculty of Chemistry and Geosciences	**Institute of Chemistry**	Department of Physical Chemistry	Application of Scanning Electrochemical Microscopy for Amperometric and Impedance Spectroscopy Measurements of Polypyrrole Modified *Saccharomyces cerevisiae* Cells
National Cancer Institute		Laboratory of Molecular Oncology	Knockout of Potentially to Cancer Cell Metastasis Related Micro RNAs miR-500 and miR-574 in LLC-1 Cell Line
Center for Physical Sciences and Technology	**Department of Functional Materials and Electronics**	Bioelectric Phenomena Laboratory	Investigation of Osmotic Shock Effects on Saccharomyces cerevisiae Cell Responses to Pulsed Electric Field Treatment
Thermo Fisher Scientific Baltics			Development of Standardization Tools for Single Cell Research