

Molecular Biotechnology, Master Studies Programme, 2025

Institution		Department/Laboratory	Themes
VU Life Sciences Center	Institute of Biosciences	Department of Microbiology and Biotechnology	Heterologous Biosynthesis of Lasso and LCI-Type Bacteriocins
	Institute of Biotechnology	Department of Biothermodynamics and Drug Design	Metabolic Reprograming of Cancer Cells Using Riboflavin to Induce Synthetic Lethality by CAIX Inhibitors
		Department of Biological DNA Modification	The Effect of Chemoenzymatic 5hmC Derivatization on DNA Polymerase Readouts
		Sector of Applied Biocatalysis	Investigating Microbial Degradation of Various Polyurethane Types
	LSC-EMBL European Molecular Biology Laboratory Partnership Institute	Laboratory of Dr Jonathan Arias	Engineered Human iPS Cell Line Development Compatible with High-Throughput Depolarization Phenotyping
Center for Physical Sciences and Technology	Department of Functional Materials and Electronics	Bioelectrics Laboratory	Development of a Microfluidic System for Cultivating and Studying Microbial Biofilms Under Controlled Flow Conditions Inhibition of Polymicrobial Biofilm Using Niobium Pentoxide Nanoparticles
Thermo Fisher Scientific Baltics			Recombinant Expression and Purification of Human PCIF1, a Cap-Specific Adenosine-N6 Methyltransferase
National Food and Veterinary Risk Assessment Institute		Molecular Biology and GMO department	Prevalence of Hepatitis E Virus in Pigs and Wild Boars in Lithuania
UAB Caszyme			Purification and Characterisation of Novel Cas Proteins
UAB Vital3D Technologies			Rapid Manufacturing of 3D Organoid Scaffolds Using a Femtosecond Laser