

Genetics, Master Studies Programme, 2023

Institution		Departments, Laboratories	Themes
VU Life Science Center (LSC)	Institute of Biosciences	Department of Botany and Genetics // Plant Genetics Research Group	Evaluation of Genetic Factors Determining Aluminum Resistance in New Lithuanian Barley (<i>Hordeum vulgare L.</i>) Varieties Genetic Structure Analysis of Sosnowsky hogweed (<i>Heracleum sosnowskyi</i>) Populations using DNA Molecular Markers
		Department of Botany and Genetics// Human Genome Research Group	MiRNA Expression Analysis in Leukocytes of Advanced Diabetes Mellitus Patients Quantitative Analysis of Histone Modifying Genes and Their Potential Regulatory MicroRNAs in Prostate Tumors Study of Epigenetic Biomarkers for Early Non-Invasive Renal Cancer Detection and Surveillance
		Department of Microbiology and Biotechnology	Microbiome Analysis of Simnas Fishery Farm Ponds
	Institute of Biochemistry	Proteomics Centre	Development and Applications of a Transcription Factor P53 Responsive Fluorescent Reporter
	Institute of Biotechnology	Department of Eukaryote Gene Engineering	Effects of the Tbx5a gene on Danio rerio heart regeneration Detection and Characterization of Age-Dependent Cytosine Modifications in Schizophrenia Patients' Neutrophils and T cells
		Sector of Applied Biocatalysi	Expression of Lipoxygenase from Pseudomonas aeruginosa in Yeast
		LSC-EMBL PI European Molecular Biology Laboratory Partnership Institute	The Laboratory of Dr. Stephen Knox Jones
The Laboratory of Dr. Jonathan Arias			Establishment of Methods for HDR-based Polyengineering of Human Cells
Nature Research Centre		Laboratory of Molecular Ecology	Detection of new genetic markers for <i>Sarcocystis spp.</i> Identification

National Cancer Institute	Research Departments	Biobank	Differential Gene Expression Changes in Breast Tumor Cell Lines of Varied Malignancy Grades Following Exposure to si-KRAS or Anti-EGFR
Thermo Fisher Scientific Baltics			Development of the Assay for Biomolecules Quantification on Magnetic Beads