Genetics, Master Studies Programme, 2026

Institution		Departments, Laboratories	Themes
VU Life Science Center	**Institute of Biosciences**	Department of Botany and Genetics *(Plant Genetics Research Group)*	Genetic and Epigenetic Diversity Analysis of the Genus *Myriophyllum* in Lithuanian Water Bodies
		Department of Botany and Genetics (*Genotoxicological Research Group)*	The Effect of *Auricularia auricula-judae*, *Cordyceps sinensis*, *Ganoderma lucidum*, *Hericium erinaceus* Mushroom Extracts on the Survival, Reproduction, and Climbing Ability of Fruit Flies (*Drosophila melanogaster*) Analysis of the Relationship Between Circadian Rhythm and Cytogenetic Parameters in Common Onion (*Allium cepa* L.) Root Meristem Cells Evaluation of Genotoxicity of Polyethylene (PE) Nanoparticles *In Vitro*
		Department of Botany and Genetics (*Human Genome Research Group)*	The Analysis of Epigenetic Biomarkers for Non-Invasive Renal Cancer Detection and Prognosis
	Institute of Biotechnology	Chronoepigenetics Laboratory	DNA Modification Association with Biological Age
		Departments of Biothermodynamics and Drug Design	Effects of Human Carbonic Anhydrase IX Inhibitors and Interferon Gamma on Central Nervous System Tumor Cells in 2D and 3D Models
		Department of Eukaryote Gene Engineering	Phylogeographic Analysis of Wuhan Mosquito Virus 6 and Other RNA Viruses: Environmental and Host Correlates of Spatial Diffusion
	EMBL Partnership Institute	Laboratory of Dr Stephen Knox Jones	Developing Cas12j2 for Programmable Genome Editing

State Scientific Research Institute Nature Research Centre		Laboratory of Molecular Ecology	Analysis of Population Genetic Structure of Eurasian Woodcock (*Scolopax rusticola*) Using Mitochondrial DNA Genetic Markers
National Cancer Institute	**Research Departments**		The Effect of Different Doses of Isoproterenol on the Phenotype, Gene Expression, and Function of Myeloid-Derived Suppressor Cells (MDSCs)
Innovative Medicine Centre	**Research Departments**	Department of Regenerative Medicine	*In Vitro* Evaluation of Cytotoxicity and Genotoxicity of Titanium Carbide MXenes