

Biochemistry, Master Studies Programme, 2026

Institution		Department/Laboratory	Themes
VU Life Sciences Center	Institute of Biosciences	Department of Biochemistry and Molecular Biology	Impact of <i>Acinetobacter baumannii</i> Virulence Factors on Human Neutrophil Responses
	Institute of Biochemistry	Department of Molecular Microbiology and Biotechnology	Characterization of non-heme iron monooxygenases in epoxide synthesis and integration of non-canonical amino acids Development of a Functional Screening System for Environmental Urethanes
	Institute of Biotechnology	Department of Protein – DNA Interactions	Characterization of Type III CRISPR-Cas-associated CARF-synthetase The Influence of Interaction Surfaces between Components of The Effector Complex of The I-F Type CRISPR-Cas System on The Destruction of The DNA Target Purification of Mutasome Complex Proteins and Characterization of the Polymerase Activity Characterization of HIT proteins from the Thoeis bacterial defense system Functional studies of the bacterial antiviral defence system Mokosh I
			Application of large language models for the analysis of intergenic regions of distant CRISPR-Cas7 homologs
		Department of Immunology	Baltic sea pollutant effects on grey seal immune cells
		Department of Single Cell Analytics	Development of a High-Throughput Single-Cell Whole Genome Sequencing Using Semipermeable Capsules
	EMBL Partnership Institute	Laboratory of Dr. Patrick Pausch	Development of a Novel Genetic Engineering Tool Utilizing a CRISPR-Cas Type I-F Variant System