

LIST OF PHD RESEARCH TOPICS AND SUPERVISORS FOR THE FIELD OF BIOPHYSICS IN THE  
AREA OF NATURAL SCIENCES FOR THE YEAR 2025

No.	Department	Research topic	Supervisor	Consultant
1	Institute of Cardiology Cell Culture Laboratory	Designing artificial microRNAs to silence disease-related genes	Dr. V. Mikalayeva	Dr. S. B. Velasco
2	Faculty of Medicine Department of Physics, Mathematics and Biophysics	Development and application of biophysical model-based artificial intelligence methods for identifying early markers of glaucomatous neuropathy and assessing their associations with ocular fluid metabolomics	Prof. Dr. R. Paukštaitienė	Prof. Dr. I. Janulevičienė Prof. Dr. V. Jakštas
3	Institute of Cardiology Laboratory of Cell Communication	Effects of cardiovascular drugs on connexin hemichannel and channel function	Dr. L. Kraujalienė	Dr. M. Šnipas Dr. T. Kraujalis