



Life Science



Full Name	Advisor / Co-adviser	Thesis Title	
Fizza Munawar	Ben Cecile	Characterization of Response to Emerging Diseases in Vicia sativa	
Leonid Sidorov	Ben Cecile / Laurent Gentzbittel	Insights in the White Lupin and Colletotrichum lupini interaction: Proteomic and Genomic Perspectives	
Artemiy Dakhnovets	Dmitriy Chudakov	Identification of Molecular Biomarkers of Response to Renal Cell Carcinoma Immunotherapy via Gene Co-expression Network Analysis	
Vladimir Grigoriants	Dmitriy Chudakov / Irina Grigorova	Identification of Murine Follicular Regulatory T Cell Clones Specific to Nuclear Protein Self-antigens	
Elizaveta Nikonova	Dmitriy Chudakov / Ivan Zvyagin	Discovery of Somatic Mutations Associated with Clonally Expanded T Cells	
Vlada Tuliavko	Dmitriy Chudakov / Olga Britanova	Characterization of T-cell Subsets Infiltrating Plaque in Atherosclerosis	
Fatir Ali	Olga Dontsova / Olga Burenina	Investigation of Brain Specific Long Non-coding RNA Linc01102	

Full Name	Advisor / Co-adviser	Thesis Title	
Nida Nida	Mikhail Gelfand / Inna Suvorova	Comparative Analysis of DtxR-family Transcription Factor Mntr and its Regulons in Bacteria	
Kudaibergenov Ramazan	Mikhail Gelfand / Suvorova Inna	Comparative Analysis of the CsoR Family of Bacterial Transcription Factors, Their Regulons, and DNA Binding Motifs	
Anna Fomina	Dmitry Gorin / Yuri Kotelevtsev	Development of Systems for Targeted Delivery of DNA to Bipolar Retinal Cells for the Treatment Retinitis Pigmentosa (RP)	
Daria Kozhevnikova	Dmitry Gorin / Gleb Sukhorukov	Development of a Methodology for Detecting HER2-Positive Extracellular Vesicles in the Blood Plasma of Breast Cancer Patients	
Timothy Torokhov	Dmitry Gorin	Development of Tissue Phantoms of Infantile Hemangioma for Multispectral Imaging	
Oksana Kotovskaya	Artem Isaev	Exploring the Diversity of Host Takeover and Anti-Defence Genes in Specific Hot-spots of Bacteriophage Genomes	
Aayush Jha	Philipp Khaitovich	Analysis of Endocannabinoid Pathway Metabolites in Healthy and Schizophrenic Human Brain	

Full Name	Advisor / Co-adviser	Thesis Title	
Kissi Kontor	Philipp Khaitovich	Comparison of Structural MRI and Lipidome Alterations in Schizophrenia Brain	
Ksenia Kubenko	Philipp Khaitovich	Spatially Resolved Transcriptome Analysis of Neocortical Layers in Newborn and Adult Humans	
Aigul Nasibullina	Philipp Khaitovich / Mikhail Lebedev; Lev Yakovlev	An Assessment of Human Mental Processing with Transcranial Magnetic Stimulation: Motor Versus Tactile Imagery	
Sergei Troshin	Philipp Khaitovich	Lipidome Alterations in Schizophrenia Cerebral Cortex	
Ekaterina Kashuk	Ekaterina Khrameeva / Dmitrii Smirnov	Analysis of Whole-genome Maps of Chromatin Folding in SIRT6-KO Neurons	
German Moiseev	Ekaterina Khrameeva	Development of Noise-Robust Single Cell Transcriptomic Aging Clocks	
Tunde Okeowo	Ekaterina Khrameeva	Investigating SIRT6 Involvement in the Mechanisms of Alternative Splicing in the Brain	

Full Name	Advisor / Co-adviser	Thesis Title	
Anna Ponomareva	Ekaterina Khrameeva / Dmitrii Smirnov	Revealing the Changes in Regulatory Elements Landscape Driven by SIRT6 Deficiency and Aging in the Brain	
Nikita Vaulin	Ekaterina Khrameeva	The Role of Polycomb Group Proteins in Neuronal Chromatin Structure and Epigenetics	
Vasiliy Zubarev	Ekaterina Khrameeva	Study of the Gene Expression in Cells of Sponge Halisarca dujardinii	
Ruslan Kalimullin	Nikolay Koshev / Maxim Sharaev	Deep Generative Modeling for EEG inverse problem solving	
Victor Kozhevnikov	Nikolay Koshev	EEG Inverse Problem Dense Solution with U-Net Architecture	
Artemii Korobov	Yuri Kotelevtsev	Exploring Small Molecule Inhibitors of Human Hyaluronan Synthase-2: In Silico Predictions and In Vitro Validation	
Natalia Kudriashova	Yuri Kotelevtsev	The Effect of Intraventricular Delivery of LNP-siRNA to the Transgenic Mouse Model of Amyotrophic Lateral Sclerosis	

Full Name	Advisor / Co-adviser	Thesis Title	
Elizaveta Petrova	Yuri Kotelevtsev	Assessment of Changes in the Mechanical Stiffness, Morphology and Expression of Fluorescent Markers of Polarized Bone Marrow-Derived Macrophages in Response to siRNA-mediated Knockdown of the IRF5 Gene	
Daria Travnikova	Yuri Kotelevtsev / Tatiana Abakumova	Small Interfering RNA as a Tool to Overcome Chemoresistance in Glioma Cells	
Vladislav Mityukov	Maria Logacheva	Genomics of Invasive Dioecious Plant Acer Negundo	
Ekaterina Antipushina	Sharaev Maksim	Interpretable Machine Learning Models for the Analysis of Multimodal Neuroimaging and Biomedical Data Using Data Fusion Methods in the Diagnosis of Schizophrenia	
Viacheslav Kudryavskiy	Evgeny Nikolaev / Anton Goncharov; Alexey Kononikhin	Proteomic Analysis of Splicing Inhibition in ADAR1-Deficient Ovarian Cancer Cell Line	
Daniil Sobolev	Evgeny Nikolaev / Stanislav Pekov	Optimizing MALDI MSI Sample Preparation for Tumor Tissue Margin Assessment	

Full Name	Advisor / Co-adviser	Thesis Title	
Michil Trofimov	Dmitry Pervushin	A Study of Molecular Basis of the Pathogenesis of Genital Lichen Sclerosus in Men	
Almaz Ibragimov	Lidia Putlyaeva / Nadya Gurskaya	Tracking of Epigenome Changes in Live Cells with Fluorescent Sensors as a Novel Approach to Study Stem Cell Differentiation	
Alisa Fedorenko	Petr Sergiev / Anastasia Surdina Bogomazova	Knockout or Overexpression of the UBE2A Gene Leads to Disruption of the Rho/ROCK Signaling Pathway and Abnormal Motility of Neural Cells Differentiated from iPSCs	
Varvara Nikolaeva	Gleb Sukhorukov / Mikhail Lebedev	The Analysis of Factors Influencing Mice Navigation in Open Field	
Alexandra Sain	Gleb Sukhorukov / Pavel Musienko	Neural Implant Functionalization with Drug Delivery System for Combined Therapy of Secondary Spinal Cord Injury	
Muhammad Daha Garba	Nikolai Syrov / Mikhail Lebedev	Study for Visuomotor Transformation Mechanisms and Their Application in Brain-computer Interfaces Technologies	
Dmitrii Perevozniuk	Nikolai Syrov	Neurophysiological Markers of Acute Pain Under Urethane-induced Anesthesia	
Gleb Perevoznyuk	Nikolai Syrov	Motor Cortex Neuromodulation: Investigating the Effects of Motor Cortex rTMS on Behavioral and Electrophysiological Markers	