



EDUCATION

Elizaveta Shikina received her B.S. in Materials Science from Lomonosov Moscow State University in 2022 and her M.S. in Medicinal Chemistry from the same university in 2024. In September 2024, she started her PhD research at the same Department that focuses on identifying molecular features of compounds targeting proteins involved in neurodegenerative diseases.

RESEARCH PROJECTS

Elizaveta Shikina has research experience in glycoinformatics, molecular modeling, and data analysis. From 2018 to 2020, she subsequently participated in research projects involving glycoinformatics, her research output was publication of scientific article as first author. From 2020 to 2022, she worked on predicting cardiotoxicity-related properties of drug compounds.

In 2024, she worked on molecular dynamics simulations using GROMACS, focusing on protein conformational changes and the optimization of computational workflows. Her current research focuses on identifying molecular features using molecular modeling and ensemble docking. She is particularly interested in applying computational methods to the discovery of selective inhibitors for targets involved in neurodegenerative diseases.

SCIENTIFIC INTERESTS

Medicinal Chemistry, Cheminformatics, Molecular Dynamics, Docking, Machine Learning in Drug Discovery.