

Anastasia Fomina

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EXPERIENCE

Chumakov FSC R&D IBP RAS

May 2020 – Present

Laboratory of Antivirals

Research Assistant

- 2nd place at the competition of young scientists of the XXVII Symposium “Bioinformatics and computer design of drugs” for the report “Virtual screening of 3CLpro protease inhibitors of SARS-CoV-2 coronavirus based on ensemble docking”
- Created an annotated database of drugs with experimentally determined activity against SARS-CoV-2 3CLpro protease, which were published before March 2021
- Automated the pipeline for selection of protein structures according to the variety of active center residues’ conformations

Moscow State University

October 2013 – June 2019

Department of Chemistry, Chemical Enzymology Division

Student

- Improved Cell Stress Monitoring method using Firefly luciferase. This allowed to shorten time required for cytotoxicity analysis from days to hours (objects: antibiotics, membrane-active effectors)
- Created a new ELISA for measurement of human insulin, which enabled researchers to shorten analysis time 2-fold and reduce routine work burden

EDUCATION

Lomonosov Moscow State University

October 2019 - Present

PhD Student

Department of Chemistry, Medicinal Chemistry Division

Lomonosov Moscow State University

June 2019

Specialist (MSc equivalent)

GPA: 4.9/5.0

Department of Chemistry, Chemical Enzymology Division

Diploma with Honors

MSU Business School

June 2018

Business retraining program

GPA: 4.7/5.0