

Frolov Dmitry

Date of Birth: 07.01.2000

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Education

- 2018–2023 | Faculty of Biotechnology, Lomonosov Moscow State University
Bachelor's Degree
- 2023–2025 | "Bioinformatics", Sirius University of Science and Technology
Master's Degree
- 2025–present | "Mathematical Biology", Sirius University of Science and Technology
PhD Program

Work Experience

- Fall 2020–Spring 2021 | Internship at the *Kurchatov Institute* — basic genetic engineering of bacterial cells
- December 2021 | Internship at R-Pharm Branch *Pharmoslavl* — quality control of the Gam-COVID-Vac vaccine
- Fall 2022–Spring 2023 | Bachelor's thesis at the Institute of Biochemistry and Physiology of Microorganisms — heterologous expression of enzymes in *E. coli* cells, molecular modeling
- Fall 2024–present | Sirius University, Scientific Center of Genetics and Life Sciences — research on artificial intelligence methods for problems in chemistry and biology

Publications

- Frolov D, Ibraev I, Sedov I, 2025. Quantum chemical properties of chlorinated polycyclic aromatic hydrocarbons for delta machine learning. *Scientific Data* 12, 1059.
doi.org/10.1038/s41597-025-05383-0

Special Achievements

- Award-winning participant in the international modeling competition "[The IBIS Challenge](#)" on developing models for transcription factor–DNA binding prediction, as a member of the "*Salimov and Frolov Laboratory*" team

Languages

- **Russian** — Native
- **English** — Intermediate