

Iunona Pospelova

Moscow, Russia

Telephone: +7 9099322711

email: pospelova.yunona.2015@post.bio.msu.ru

EDUCATION

Lomonosov Moscow State University

Bachelor of Science in Biology

- Department of Bioengineering
- Modules: Bioinformatics, Structural Biology, Biophysics, Biochemistry, Physiology, Physical Chemistry

Moscow, Russian Federation

(Sept 2015 – July 2019)

Moscow High and Middle School №1028

Section of Chemistry and Biology

- Subjects: Mathematics, Chemistry, Biology, Physics
- School-leaving certificate with golden medal (GPA 5.0, max 5.0)

Moscow, Russian Federation

(Sept 2005 – June 2015)

WORK EXPERIENCE

Integrative Biology Group

Department of Bioengineering, Faculty of Biology, MSU

- Development of a Python-based library for analyzing DNA geometry (based on 3DNA program)
- Creating a Browser Application that calculates parameters of DNA structure from PDB and Förster resonance energy transfer
- Practiced in molecular dynamics simulations of DNA molecules and enzymes

Moscow, Russian Federation

(Apr 2017 – Present)

Association of Winners of Olympiads

School teacher

- Teaching the additional classes of deeper Biology for high school students

Moscow, Russian Federation

(Feb 2018 – Present)

Atomic Force Microscopy Group

Department of Bioengineering, Faculty of Biology, MSU

- Basic skills of working with Atomic Force Microscope, Scanning Electron Microscope and Transmission Electron Microscope
- Research in DNA-looping process and its biological role
- Participated in applying for Russian Science Foundation Grant

Moscow, Russian Federation

(Sept 2016 – Feb 2017)

EXTRACURRICULAR ACTIVITIES

The Art Newspaper Russia

Journalist

- Writing articles for Luxury section of the magazine
- Participated in organization of IV The Art Newspaper Russia Annual Award and “Khardzhiev’s Archive” exhibition

Moscow, Russian Federation

(Sep 2017 – Present)

Summer Practice in Pushchino Biological Station

Student

- Main knowledge in Spectroscopy and FTIR
- Chlorophyll fluorescence researches

Moscow, Russian Federation

(Jun 2017 – July 2017)

Summer Practice in Zvenigorod Biological Station

Student

- Research in biomechanics of eye and vision of *Pelobates*
- Studying aspects of seeds anemochory

Moscow, Russian Federation

(Jun 2016 – July 2016)

SKILLS AND INTERESTS

- **Languages:** English (Advanced), Russian (Native)
- **Volunteering:** Organisation of Olympiads for high school students and different students’ celebration in MSU
- **Social work:** Member of Student Council and Scholarship Committee of Biological Faculty, MSU
- **Research interests:** Bioinformatics, Artificial Intelligence, Structural Biology, Biophysics, Molecular Dynamics, Crystal Chemistry
- **Research skills:** Basic laboratory skills (biochemistry, spectroscopy, phoresis); Bash and Linux user; Programming language – Python; Scientific applications – VMD, GROMAX, 3DNA