

ANNA GRIBKOVA

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Education

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| 2017 - present | Lomonosov Moscow State University, Faculty of Biology, Bioengineering Department, First-year master student |
| 2013 - 2017 | Lomonosov Moscow State University, Faculty of Biology, Bioengineering Department, Bachelor of Biology , Specialization: Bioengineering and Biotechnology. Diploma with Honours (GPA 5.0, max 5.0) |
| 2002-2013 | Education Centre No.1493 (biological and chemical profile), Certificate of Secondary Complete General Education with distinction |

Research experience

Integrative Biology Group, Moscow State University, Faculty of Biology, Bioengineering Department. Supervisor: Alexey Shaytan, PHD, Lead Investigator.

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| 2017 - present | Development of a database and a web-portal interactively representing information about available structures of complexes between histones, nucleosomes and chromatin proteins |
| 2016 - 2017 | Bachelor's thesis: "Modeling of the free energy profile of DNA unwrapping from histone octamer" |

Research skills

Basic laboratory skills and techniques (biochemistry, gene and protein engineering, biological spectroscopy).

Programming languages – Python, R.

Scientific Applications – GROMACS, NAMD, VMD, 3DNA, MM/PBSA.

Conferences

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| 2017 | International Conference for Students and Young Scientists "Lomonosov"
Poster presentation: "Estimate of energy DNA-histones interactions in intermediates of nucleosomes using the method MM/PBSA" |
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2017

The Lomonosov Universiade, Bioengineering section

Oral presentation: “Modeling of the free energy profile of DNA unwrapping from histone octamer”, second degree prize

Publications

1. **A.K. Gribkova**, G.A. Armeev, A.K. Shaytan. Investigation of histone-DNA binding energy as a function of DNA unwrapping from nucleosome using molecular modeling. Vestnik Moskovskogo universiteta. Seriya 16. Biologiya. — 2017. — T . 72, №. 3. — C . 164–168.
2. A.K. Shaytan, G.A. Armeev, **A.K. Gribkova**. Energy profile of process of unwrapping DNA from nucleosome using molecular modeling. V International Scientific Conference of Young Researchers Devoted to the 94-th Anniversary of Azerbaijani National Leader Heydar Aliyev. — Baku, 2017

Honours and awards

2014 - present Increased State Academic Scholarship for noteworthy academic, research and athletic achievements

2015-2016 E.N. Kondratieva’s Scholarship for excellent students

Hobbies

Ultimate frisbee: member of National junior team 2015, Spirit Captain in MSU ultimate frisbee team; The winner of Russian Mixed Championship - 2017 (and personal award - most valuable player).