

ANASTASIA LYULINA

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EDUCATION

Stanford University , <i>Stanford, CA, United States</i> Ph.D. in Biology	2020 — <i>present</i>
Saint Petersburg Polytechnic University , <i>Saint Petersburg, Russia</i> B.Sc. in Physics	2013 — 2017
Technical University of Munich , <i>Munich, Germany</i>	2016

RESEARCH EXPERIENCE

Stanford University , <i>Stanford, CA, United States</i> Graduate Research Assistant, Departments of Biology and Applied Physics Advisors: Benjamin Good and Dmitri Petrov	2021 — <i>present</i>
Institute of Science and Technology Austria , <i>Klosterneuburg, Austria</i> Research Assistant, Evolutionary Genomics Group Advisor: Fyodor Kondrashov	2017 — 2020
Harvard University , <i>Cambridge, MA, United States</i> Visiting Postgraduate Research Fellow, Systems Biology Department Advisor: Johan Paulsson	2019
University of Calgary , <i>Calgary, AB, Canada</i> Visiting Undergraduate Student, Centre for Molecular Simulation Advisor: Peter Tieleman	2017
Russian Academy of Sciences , <i>Saint Petersburg, Russia</i> Undergraduate Student, Institute of Macromolecular Compounds Advisor: Andrey Gurtovenko	2016 — 2017

SELECTED HONORS AND AWARDS

Sarah Hotchkis Ketterer Graduate Fellowship at Stanford University	2021 — <i>present</i>
Gruber Science Fellowship at Yale University (<i>declined</i>)	2020
Zimin Foundation Summer Research Fellowship	2017
Saint Petersburg Polytechnic University Academic Stipend	2015 — 2017

PUBLICATIONS

* *denotes equal contributions*

1. Gurtovenko A. A., **Lyulina A. S.** Electroporation of asymmetric phospholipid membranes. *Journal of Physical Chemistry B* 118(33): 9909–9918, 2014.

SELECTED PRESENTATIONS

Linkage equilibrium between rare alleles (*talk*). American Physical Society March Meeting, 2023. *Las Vegas, NV, United States*

Linkage equilibrium between rare alleles (*talk*). Bay Area Population Genomics Conference, 2023. *Davis, CA, United States*

Population genetics of the critically endangered spoon-billed sandpiper (*talk*). EvolVienna Meeting, 2019. *Vienna, Austria*

Population genetics of the critically endangered spoon-billed sandpiper (*talk*). Harvard Quantitative Biology Symposium, 2019. *Cambridge, MA, United States*

Predicting fitness effects of amino acid substitutions (*invited talk*). Graduate University for Advanced Studies, 2018. *Hayama, Japan*

PROFESSIONAL TRAINING

Cold Spring Harbor Laboratory Yeast Genetics and Genomics Course 2022
Cold Spring Harbor, NY, United States

Okinawa Institute of Science and Technology Computational Neuroscience Course 2018
Onna, Japan

TEACHING AND MENTORSHIP

Stanford University, BIO 85: Evolution, *teaching assistant* 2024

Stanford University, BIO 114: Building up Developing Scientists, *guest lecturer* 2023

Stanford University, BIO 113/244: Fundamentals of Molecular Evolution, *teaching assistant* 2022

School of Molecular and Theoretical Biology, *research mentor, course instructor* 2014 — 2018

Saint Petersburg Physics Olympiad Summer Training Program, *course instructor* 2013 — 2015

SERVICE AND OUTREACH

Stanford Biology Ph.D. Program Admissions Committee, *student representative* 2023 — *present*

Stanford Biology Department Mentorship Program, *mentor* 2022 — *present*

Stanford Biology Ph.D. Preview Program, *volunteer* 2020 — *present*

Stanford Biology Department Mentorship Committee, *committee member* 2021 — 2022

Stanford Undergraduate Research Association, *mentor* 2021 — 2022

School of Molecular and Theoretical Biology Alumni Association, *board member* 2015 — 2017

Referee for *Journal of Theoretical Biology*, *PLOS Genetics*, *Genetics* (with advisor), *PNAS* (with advisor).