

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*

2. **Lyulina A. S.***, Liu Z.*, Good B. H. Linkage equilibrium between rare mutations. *bioRxiv* 2024.03.28.587282, 2024.

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
<i>Cold Spring Harbor, NY, United States</i>	

Okinawa Institute of Science and Technology Computational Neuroscience Course	2018
<i>Onna, Japan</i>	

TEACHING AND MENTORSHIP

Stanford University, BIO 85: Evolution, <i>teaching assistant</i>	2024
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Stanford University, BIO 114: Building up Developing Scientists, <i>guest lecturer</i>	2023
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Stanford University, BIO 113/244: Fundamentals of Molecular Evolution, <i>teaching assistant</i>	2022
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School of Molecular and Theoretical Biology, <i>research mentor, course instructor</i>	2014 — 2018
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Saint Petersburg Physics Olympiad Summer Training Program, <i>course instructor</i>	2013 — 2015
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SELECTED SERVICE AND OUTREACH

Stanford Biology Ph.D. Program Admissions Committee, <i>student representative</i>	2023 — 2024
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Stanford Biology Ph.D. Preview Program, <i>volunteer</i>	2020 — 2023
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Stanford Biology Department Mentorship Committee, <i>committee member</i>	2021 — 2022
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School of Molecular and Theoretical Biology Alumni Association, <i>board member</i>	2015 — 2017
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Referee for *Journal of Theoretical Biology*, *PLOS Genetics*, *Genetics* (with advisor), *PNAS* (with advisor).