

ANASTASIA S. LYULINA

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EDUCATION

Stanford University , <i>Stanford, CA, United States</i> PhD in Biology	2020 — present
Saint Petersburg Polytechnic University , <i>Saint Petersburg, Russia</i> BSc in Physics	2013 — 2017
Technical University of Munich , <i>Munich, Germany</i>	2016

PROFESSIONAL APPOINTMENTS

Stanford University , <i>Stanford, CA, United States</i> Graduate Research Assistant, Departments of Biology and Applied Physics Advisors: Benjamin Good and Dmitri Petrov	2021 — present
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

PUBLICATIONS

* denotes equal contributions

3. Karageorgi M, **Lyulina AS**, Bitter MC, Lappo E, Greenblum S, Mouza ZK, Tran CT, Huynh AV, Oken H, Schmidt P, Petrov DA. Dominance reversal protects large-effect resistance polymorphisms in temporally varying environments. *bioRxiv*: 2024.10.23.619953, 2024.
2. **Lyulina AS***, Liu Z*, Good BH. Linkage equilibrium between rare mutations. *Genetics* 228(3): iya145, 2024. *Featured on the cover*.
1. Gurtovenko AA, **Lyulina AS**. Electroporation of asymmetric phospholipid membranes. *Journal of Physical Chemistry B* 118(33): 9909–9918, 2014. *Featured on the cover*.

HONORS AND AWARDS

Excellence in Teaching Award, Department of Biology, Stanford University	2024
Mikitani Cancer Research Funding, Stanford Cancer Institute (\$40,000)	2024

Sarah Hotchkis Ketterer Graduate Fellowship, Stanford University	2021 — 2024
Gruber Science Fellowship, Yale University (<i>declined</i>)	2020
Summer Research Fellowship, Zimin Foundation	2017
Academic Stipend, Saint Petersburg Polytechnic University	2015 — 2017

SELECTED TALKS AND SEMINARS

Annual Meeting of the Society for Molecular Biology and Evolution, <i>Puerto Vallarta, Mexico</i>	2024
American Physical Society March Meeting, <i>Las Vegas, NV, United States</i>	2023
Bay Area Population Genomics Conference, <i>Davis, CA, United States</i>	2023
Harvard Quantitative Biology Symposium, <i>Cambridge, MA, United States</i>	2019
Graduate University for Advanced Studies, <i>Hayama, Japan</i>	2018

PROFESSIONAL TRAINING

Cold Spring Harbor Laboratory Yeast Genetics and Genomics Course <i>Cold Spring Harbor, NY, United States</i>	2022
Okinawa Institute of Science and Technology Computational Neuroscience Course <i>Onna, Japan</i>	2018

TEACHING AND MENTORSHIP

Stanford University, Biology 85: Evolution, <i>teaching assistant</i>	2024
Stanford University, Biology 113/244: Fundamentals of Molecular Evolution, <i>teaching assistant</i>	2022
School of Molecular and Theoretical Biology, <i>course instructor, research mentor</i>	2014 — 2018
Saint Petersburg Physics Olympiad Summer Training Program, <i>course instructor</i>	2013 — 2015

SERVICE AND OUTREACH

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