

## ANASTASIA LYULINA

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EDUCATION

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

RESEARCH EXPERIENCE

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

SELECTED HONORS AND AWARDS

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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

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*\* 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

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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

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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  
*Okinawa, Japan*

## TEACHING AND MENTORSHIP

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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

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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).