ANASTASIA LYULINA

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EDUCATION

	EDUCATION	
2020 – present	Stanford University Ph.D. Student in Ecology and Evolution Stanford, CA, United States	
2013 – 2017	Saint Petersburg Polytechnic University B.Sc. in Physics Saint Petersburg, Russia	
2016	Technical University of Munich Exchange Student Munich, Germany	
RESEARCH EXPERIENCE		
Sep 2020 – present	Graduate Student at Stanford University Biology Department • Supervisor: Dmitri A. Petrov As a rotation student, I am working on inferring mean fitness from lineage tracking experiments in barcoded yeast populations. Stanford, CA, United States	
2017 – 2020	Research Assistant at the Institute of Science and Technology Austria Evolutionary Genomics Group • Supervisor: Fyodor A. Kondrashov My main project investigated the genetic variation in a nearly extinct bird species. I used mathematical modelling, machine learning, and extensive data analysis. Klosterneuburg, Austria	
Feb – Jul 2019	Visiting Postgraduate Research Fellow at Harvard University Department of Systems Biology • Supervisor: Johan Paulsson I worked on improving fluorescent proteins by designing and screening mutant libraries. I did cloning, mutagenesis, and microfluidics. Cambridge, MA, United States	
Jul – Aug 2017	Visiting Undergraduate Student at the University of Calgary Centre for Molecular Simulation • Supervisor: D. Peter Tieleman I studied how P-glycoprotein interacts with lipids and transports drug molecules across cell membrane with coarse-grained molecular dynamics simulations. Calgary, AB, Canada	
	FELLOWSHIPS, GRANTS, AND AWARDS	
2020 2017 2015 – 2017 2015	Gruber Science Fellowship at Yale University (declined) Zimin Foundation Summer Research Fellowship Saint Petersburg Polytechnic University Academic Stipend Russian Academic Excellence Project Mobility Grant	
PUBLICATIONS		
2014	Gurtovenko A. A., Lyulina A. S. <i>Electroporation of asymmetric phospholipid membranes</i> . <i>Journal of Physical Chemistry B</i> 118 (33): 9909–9918, 2014. doi: 10.1021/jp5028355.	

EvolVienna Meeting, Nov 26, Vienna, Austria

Population Genetics of the Spoon-billed Sandpiper

2019

SELECTED PRESENTATIONS AND INVITED TALKS

	Anastasia Lyulina	
2019	Population Genetics of the Spoon-billed Sandpiper Harvard Quantitative Biology Symposium, May 23, Cambridge, MA, USA	
2018	Predicting Effects of Amino Acid Substitutions The Graduate University for Advanced Studies, Jul 17, Hayama, Japan	
2017	P-gp Drug-Uptake: A Coarse-Grained Molecular Dynamics Study Centre for Molecular Simulation at the University of Calgary, Aug 16, Calgary, AB, Canada	
ADDITIONAL COURSES		
Jul – Aug 2018	Okinawa Institute of Science and Technology Computational Neuroscience Course Okinawa, Japan	
TEACHING EXPERIENCE		
Aug 2018, Aug 2016, Aug 2015, Aug 2014	School of Molecular and Theoretical Biology Supervised high school students working on research projects in biological physics, molecular evolution, and evolutionary genomics. In 2018, developed and taught a two-week-long course in data visualization (in English). Adam Mickiewicz University, Poznań, Poland; Centre for Genomic Regulation, Barcelona, Spain; Institute of Protein Research, Pushchino, Russia	
2016 – 2017	Private math and physics tutor to high school students Worked one-on-one with students interested in out-of-school mathematics and physics. Saint Petersburg, Russia	
Jul – Aug 2015, Jul – Aug 2014, Jul – Aug 2013	Physics Olympiad Summer Training Program Assisted with and later taught three-week-long courses in classical mechanics and calculus for high school students (in Russian). Leningrad Region, Russia; Sochi, Russia	
PROFESSIONAL SERVICE		
2018, 2019	Reviewer for the Journal of Theoretical Biology	
2015 – 2017	Board Member of the School of Molecular and Theoretical Biology Alumni Association Participated in writing a constitution for the Alumni Association; mentored younger students through the Alumni Association mentoring program; organized talks and lectures for members of the Alumni Association located in Saint Petersburg and run a biweekly journal club.	