

Nikolai G. Vetr

CONTACT INFORMATION	Phone: (602) 578-9196 Email: nikgvetr@stanford.edu	LinkedIn: linkedin.com/in/nikolai-vetr GitHub: github.com/NikVetr/
Education	Postdoc , Montgomery Lab, Stanford University Pathology + Genetics + Biomedical Data Science PhD , University of California, Davis Dissertation: <i>Exploring and Extending Multivariate Brownian Diffusion Models of Phenotypic Evolution for Bayesian Phylogenetic Inference</i> Anthropology + Population Biology + Data Science & Informatics BA , Vanderbilt University Earth & Environmental Sciences + Ecology, Evolution & Organismal Biology Departmental Honors, <i>summa cum laude</i>	<i>Current</i> <i>2020</i> <i>2013</i>
Recent Work	Abell, N., Vetr, N.* , Montgomery, S., et al. 2024. <i>A Survey of High Depth Allele-Specific Expression Across Normal Tissues and Ovarian Cancers</i> . In Prep. Vetr, N. , Gay, N., and Montgomery, S. 2023. <i>The impact of exercise on gene regulation in association with complex trait genetics</i> . Accepted to Nature Communications. MoTrPAC Study Group[†] . 2023. <i>Temporal dynamics of the multi-omic response to endurance exercise training across tissues</i> . Accepted to Nature.	
		<i>*dual first authorship, [†] Author Group: 2 (of 8)</i>
Leadership	Founder , Applied Bayesian Statistics Research Cluster, <i>UC-Davis</i> President , Board of Directors, <i>Wild Animal Initiative</i> President , Board of Directors, <i>Rethink Priorities</i>	<i>2019 - 2020</i> <i>2020-Present</i> <i>2023-Present</i>
Languages	Programming: R, Stan, BASH, Python, C++, CSS, HTML, JS Natural: Russian, English, Spanish	
Teaching	Associate Instructor , University of California, Davis Human Evolution + Primate Evolution + Human Evolutionary Biology Carpentries Instructor , Data & Software Carpentries Course Coordinator , Workshop in Applied Phylogenetics	<i>2015 - 2020</i> <i>2019</i> <i>2019</i>
Selected Grants & Awards	NIH T15 Excellence in Data Science Community Training and Outreach Outstanding Graduate Student Teaching Award Nominee 1st Place Picnic Day Exhibit Award in “Secrets of Nature” Category NSF Graduate Research Fellowship	<i>2021</i> <i>2019, 2020</i> <i>2016, 2019, 2020</i> <i>2017</i> <i>2015</i>
Service	Journal Review: <i>Evolution</i> (2017), <i>Science Communications</i> (2018), <i>Cell Reports</i> (2021), <i>Human Genetics and Genomics Advances</i> (2022) Grant Review: <i>WAI Grants</i> (2021, 2022, 2023)	
Skills & Interests	<div><div>– Probability Models</div><div>– Multiomic Data Integration</div><div>– Time Series Modeling</div><div>– Bayesian Methods</div><div>– Monte Carlo Methods</div></div> <div><div>– Causal Inference</div><div>– Computer Vision</div><div>– Artificial Neural Networks</div><div>– Population Genetics</div><div>– Optimization</div></div> <div><div>– Science Communication</div><div>– Nat. Lang. Processing</div><div>– Evolutionary Biology</div><div>– Exercise Biology</div><div>– Population Genetics</div></div>	