

Kristin M Lee

Department of Biological Sciences – Columbia University

krmlee@ucdavis.edu

Education

University of California, Davis 2013 – 2018

PhD, Population Biology

Advisor: Graham Coop

University of Wisconsin – Madison 2008 – 2013

BS, Biology and Mathematics with Honors in Research

Semester abroad studying tropical ecology and conservation in Ecuador (Universidad San Francisco de Quito)

Appointments

Columbia University, Department of Biology, Postdoctoral researcher 2018 – present

Fellowships, Honors, & Awards

NSF Graduate Research Fellowship, National Science Foundation (\$150,000) 2014 – 2018

Fitch Award Finalist, Society for Molecular Biology and Evolution (\$2,000) 2016

Hamilton Award Finalist, Society for the Study of Evolution (\$500) 2016

Population Biology Graduate Group Fellowship, UC Davis (\$30,000) 2013

Hilldale Undergraduate Research Fellowship, UW-Madison (\$4,000) 2012

UW-Madison Zoology Undergraduate Research Grant, UW-Madison (\$1,500) 2010

Publications

Peer-reviewed publications

1. Oziolor EM, Reid NM, Yair S, **Lee KM**, VerPloeg S, Bruns PC, Shaw JR, Whitehead A, Matson CW, 2019. Adaptive introgression enables evolutionary rescue from extreme environmental pollution. *Science (in press)*.
2. **Lee KM**, Coop G, 2019. Population genomics perspectives on convergence. *Philosophical Transactions B (in press)*.
3. **Lee KM**, Coop G, 2017. Distinguishing among modes of convergent adaptation using population genomic data. *GENETICS* 207: 1591-1619.
Highlighted in the December issue of GENETICS and showcased in the 2017 GENETICS Spotlight publication
4. Lee CE, Remfert JL, Opgenorth T, **Lee KM**, Stanford E, Connolly JW, Kim J, Tomke S, 2017. Evolutionary responses to crude oil from the Deepwater Horizon oil spill by the copepod *Eurytemora affinis*. *Evolutionary Applications* 10: 813-828.

Presentations

Invited Seminars

Temple University Institute for Genomics and Evolutionary Medicine; Philadelphia, PA	2018
Stanford University Center for Computational, Evolutionary and Human Genomics; Palo Alto, CA	2018
Duke University Population Biology; Durham, NC	2017
UC Berkeley Center for Theoretical Evolutionary Genomics; Berkeley, CA	2016

Invited Conference Oral Presentations

Society of Systematic Biologists (Evolution meeting); Portland, OR	2017
Society for the Molecular Biology and Evolution; Gold Coast, Queensland, Australia	2016
Society for Study of Evolution (Evolution meeting); Austin, TX	2016

Contributed Conference Oral Presentations and Seminars

Columbia University Evolution Supergroup; New York, NY	2018
Genetics Society of America (Population, Evolutionary and Quantitative Genetics); Madison, WI	2018
Society for the Molecular Biology and Evolution; Austin, TX	2017
Bay Area Population Genomics; Berkeley, CA	2016
UC Davis Center for Population Biology; Davis, CA	2015
Society for the Molecular Biology and Evolution; Vienna, Austria	2015
UW-Madison Undergraduate Research Symposium; Madison, WI	2013

Teaching & Mentoring

Teaching assistantships

EVE 100: Introduction to Evolution (UC Davis)	2018
EVE 101: Population and Quantitative Genetics (UC Davis)	2014

Other teaching and mentoring

STEMinist Data Science Bootcamp (UC Berkeley and UC Davis), R Programming Instructor	2017 – 2018
<ul style="list-style-type: none"> Developed, organized, and taught two- and three-day R programming workshops Bootcamps are run by Cal NERDS (New Experiences for Research and Diversity in Science) at UC Berkeley and are free to participants, with an emphasis on recruiting low-income and/or underrepresented minority students Helped bring the program to UC Davis with Cal NERDS and CALESS (Chicano and Latino Engineers and Scientists Society) 	
After School Coding Club (Martin Luther King Jr. K-8, Sacramento, CA), Instructor	2016 – 2018
<ul style="list-style-type: none"> Teach weekly coding activities to fourth through sixth graders using Scratch, Tynker, and other programs 	
R for Beginners: an intensive introduction to data analysis (UC Davis), Assistant instructor	2017
<ul style="list-style-type: none"> Helped teach a free, four-day intensive R course to over 200 graduate students 	
Center for Population Biology (UC Davis), Graduate student mentor	2015, 2016

Service & Outreach

Leadership

- Early Career Scientist Leadership Program (Genetics Society of America) 2019 – present
- Career Development Subcommittee Member and Liaison to the Steering Committee
- Women in Life Sciences at Davis discussion group (UC Davis), Planning team 2015 – 2018
- Organize monthly meetings for students, postdocs, staff, and faculty in the life sciences centered around issues that tend to impact women in science
- Picnic Day: Explore the Tree of Life exhibit (UC Davis), Lead Organizer 2017
- UC Davis annual open house that draws upward of 150,000 visitors to campus each year
 - Winner of the Picnic Day 2017 Exhibits Award for the best “Secrets of Nature” exhibit

Outreach

- Girls’ Science Day (Columbia University), Group leader 2019
- Ask a Scientist Booth at the Science Fair (Martin Luther King Jr. K-8, Sacramento, CA), Volunteer 2017
- Picnic Day: Explore the Tree of Life exhibit (UC Davis), Volunteer 2014 – 2016
- Darwin Day (UW-Madison JF Crow Institute for the Study of Evolution), Volunteer 2012
- Explorando las Ciencias (Madison, WI), Volunteer 2012
- Reserva Ecológica Maquipucuna (Nanegal, Pichincha, Ecuador), Volunteer 2011
- Expanding Your Horizons (Madison, WI), Science-in-Action Leader 2009, 2010

Departmental Service

- Center for Population Biology (CPB) student website manager; UC Davis 2016 – 2018
- Population Biology Graduate Group (PBGG) Diversity Committee member; UC Davis 2016 – 2018
- Student Representative for PBGG Steering Committee; UC Davis 2015 – 2017
- Chair of Annual CPB Student Research Symposium (Proutfest); UC Davis 2015

Reviewing

Molecular Biology and Evolution • Molecular Ecology • PLOS Genetics • Science

Society Memberships

Genetics Society of America (GSA)

Society for Molecular Biology and Evolution (SMBE)

Society for the Study of Evolution (SSE)