

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

- Oziolor EM, Reid NM, Yair S, **Lee KM**, VerPloeg S, Bruns PC, Shaw JR, Whitehead A, Matson CW, 2018. Adaptive introgression enables evolutionary rescue from extreme environmental pollution. *Science (in press)*.
- Lee KM**, Coop G, 2018. Population genomics perspectives on convergence. *Philosophical Transactions B (in press)*.
- 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
- 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)