

NANDITA R. GARUD

Department of Ecology and Evolutionary Biology
University of California, Los Angeles
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Curriculum Vitae June 2026

Research Interests: Evolutionary genomics in natural populations with a current emphasis on microbiomes; population genetics; bioinformatics.

EDUCATION

- 2015** **Ph.D. in Genetics**
Stanford University, Stanford, CA
Focus on adaptation in natural populations
- 2012** **MS in Statistics**
Stanford University, Stanford, CA
- 2008** **BS in Biometry & Statistics and Biological Sciences, (Magna Cum Laude)**
Cornell University, Ithaca, NY

EMPLOYMENT

- 2024-current **Associate Professor**
University of California, Los Angeles, CA
Department of Ecology and Evolutionary Biology
Department of Human Genetics
Member, Interdepartmental Program in Bioinformatics
Member, Genetics & Genomics Home Area
- 2019- 2024 **Assistant Professor**
University of California, Los Angeles, CA
Department of Ecology and Evolutionary Biology
Department of Human Genetics
Member, Interdepartmental Program in Bioinformatics
Member, Genetics & Genomics Home Area
- 2015-2019 **Bioinformatics Fellow**
Postdoctoral Position
The Gladstone Institutes at the University of California, San Francisco, CA
Advisor: Katherine Pollard
- 2015 summer **Data Scientist Intern**

Intuit Inc., Mountain View, CA

PREVIOUS RESEARCH

- 2010-2015 **Ph.D. Candidate**
Department of Genetics, Stanford University, Stanford, CA
Advisor: Dmitri Petrov
- 2008-2009 **Fulbright Scholar**
The Bioinformatics Centre, University of Copenhagen, Denmark
Advisor: Jakob Pedersen
- 2006-2008 **Undergraduate Honors Researcher**
Department of Molecular Biology and Genetics, Cornell University, Ithaca, NY
Advisor: Andrew Clark
- 2006 **Cold Spring Harbor Summer Undergraduate Research Intern**
Cold Spring Harbor, NY
Advisor: Doreen Ware

HONORS

- 2026 UCLA Life Sciences Excellence Award for Research
- 2023 NSF CAREER recipient
- 2021- 2023 Scialog! Microbiome Neurobiology and Disease fellow
- 2021 University of California Hellman fellow
- 2020- Present Paul Allen Distinguished Investigator
- 2018 Genetics Society of America DeLill Nasser Award
- 2017 Gladstone Institutes Career Advancement Award
- 2014-2015 Stanford Center for Evolution and Human Genomics Fellow
- 2013 Walter Fitch Finalist, SMCB, Chicago
- 2010–2013 National Science Foundation Graduate Research Fellow
- 2008–2009 Fulbright Scholar, Copenhagen, Denmark

Other Experience and Professional Memberships:

Grant Review Membership:

- 2019, 2021 Ad hoc grant reviewer for the National Science Foundation
- 2021 Ad hoc grant reviewer for the French National Research Agency
- 2020 Grant panelist for the National Science Foundation
- 2020 Ad hoc grant reviewer for the Army Research Office
- 2022 Ad hoc member of Population-based Research in Infectious Disease review panel, NIH
- 2023 Ad hoc member of ZMH1 ERB-M (04) S, NIMH Pathway to Independence Awards (K99/R00)
- 2023 Ad hoc reviewer for the European Research Council
- 2024 Grant panelist for the NIH MIRA R35 MRAA section
- 2025 – present Standing member of the NIH MIRA R35 MRAA section

Editorial Activities:

- 2024-Present Editor for the journal *PLoS Genetics*

2020-2025 Editor for the journal *mSystems*
2023-2024 Guest editor for the journal *PLoS Genetics*
2013-Present Referee for *Nature*, *Science*, *Nature Communications*, *Nature Microbiology*, *Nature Eco Evo*, *eLife*, *Nature Biotechnology*, *Cell Host & Microbe*, *PLoS Genetics*, *PLoS Biology*, *Nature Ecology and Evolution*, *Nature Communications*, *Genetics*, *Molecular Biology and Evolution*, *Molecular Ecology*, *Genome Biology and Evolution*, *Journal of Molecular Evolution*, *Current Biology*, *PLoS One*, *F1000*, *GigaScience*, *Nature Hereditary*, *Nucleic Acid Research*, *Nature Genetics*, *ISME*, *Bioinformatics Advances*.

PUBLICATIONS

* denotes equal contributors.

Peer reviewed primary research

1. Laurin PJ and **Garud NR**. Complex adaptive architectures constrain the pace of adaptations sweeping across human gut microbiomes. *bioRxiv* (2026).
2. Wasney M*, Briscoe L*, Wolff R, Ghezzi H, Tropini C, **Garud N**. Uniform bacterial genetic diversity along the guts of mice inoculated with human stool. *Nature Communications* (2026).
3. Harris M, Mo Z, Siepel A, and **Garud NR**. The persistence and loss of hard selective sweeps amid ancient human admixture. *PNAS* (2026).
4. Wolff R and **Garud NR**. Gene-specific selective sweeps are pervasive across human gut microbiomes. *Nature* (2025).
5. Mah JC, Lohmueller KE*, and **Garud NR***. Inference of the demographic histories and selective effects of human gut commensal microbiota over the course of human history. *Molecular Biology and Evolution* (2025).
6. Pandey D*, Harris M*, **Garud NR****, Narasimhan VM**. Leveraging ancient DNA to uncover signals of natural selection in Europe lost due to admixture or drift. *Nature Communications* (2024).
7. Gutiérrez-García K., Aumiller K., Dodge R., Obadia B., Deng A., Agrawal S., Yuan X., Wolff R., **Garud NR**, Ludington W.B. A conserved bacterial genetic basis for commensal-host specificity. *Science* (2024).
8. Harris M, Kim B, **Garud NR**. Enrichment of hard sweeps on the X chromosome compared to autosomes in six *Drosophila* species. *Genetics* (2024).
9. Radaic A., Shamir E.R., Jones K., Villa A, **Garud NR**, Tward AD, Kamarajan P, Kapila YL. Bacteroidetes Are Associated with Distinct Sites When Moving from Healthy Mucosa to Oral Dysplasia—A Microbiome and Gene Profiling Study and Focused Review. *Microorganisms* (2023).
10. Wolff R., Shoemaker W.R., and **Garud NR**. Ecological stability emerges at the level of strains in the human gut microbiome. *mBio* (2023).

11. Harris M. and **Garud NR** “Enrichment of hard sweeps on the X chromosome of *Drosophila melanogaster*.” *Molecular Biology and Evolution* (2023).
12. Madi M, Chen D, Wolff R, Shapiro JB*, **Garud NR***. “Community diversity is associated with intra-species genetic diversity and gene loss in the human gut microbiome.” *eLife* (2023).
13. Briscoe L., Halperin E., and **Garud NR**. “Microbiome source tracking using single nucleotide variants.” *Genome Biology* (2023).
14. Chen D.W. and **Garud NR**. “Rapid evolution and strain turnover in the infant gut microbiome.” *Genome Research* (2022).
15. Briscoe L, Balliu B, Sankararaman S, Halperin E, **Garud NR**. “Evaluating supervised and unsupervised background noise correction in human gut microbiome data.” *PLoS Comp. Bio* (2022).
16. Singh G., Haileselassie Y., Briscoe L., Bai L, Patel A, Sanjines E, Hendler S, Singh P, **Garud NR**, Limketkai BN, Habtezion A. “The effect of gastric acid suppression on probiotic colonization in a double blinded randomized clinical trial.” *Clinical Nutrition ESPEN* (2021).
17. **Garud NR**, Messer P, Petrov D. “Detection of hard and soft sweeps from *Drosophila melanogaster* population genomic data.” *PLoS Genetics* (2021).
18. Roodgar M*, Good BH*, **Garud NR**, Martis S, Avula S, Zhou W, Lancaster S, Hayan Lee, Babveyh A, Nesamoney S, Pollard KS, Snyder MP. “Longitudinal linked read sequencing reveals ecological and evolutionary responses of a human gut microbiome during antibiotic treatment.” *Genome Research* (2021).
19. Harpak A, **Garud NR**, Rosenberg NA, Petrov DA, Combs M, Pennings PS, Munshi-South J. “Genetic adaptation in New York City rats.” *GBE* (2020).
20. **Garud NR***, Good BH*, Hallatschek O, Pollard KS. “Evolutionary dynamics of bacteria in the gut microbiome within and across hosts.” *PLoS Biology* (2019).
21. Harris, AM, **Garud NR**, DeGiorgio M. “Detection and classification of hard and soft sweeps from unphased genotypes by multilocus genotype identity.” *Genetics* (2018).
22. Battlay, P, Leblanc P, Green L, **Garud NR**, Schmidt J, Fournier-Level A, Robin C, “Structural variants and selective sweep foci contribute to insecticide resistance in the *Drosophila melanogaster* genetic reference panel.” *G3* (2018).
23. Nayfach S, Rodriguez-Mueller B, **Garud NR**, Pollard KS. “An integrated metagenomics pipeline for strain profiling reveals novel patterns of bacterial transmission and biogeography.” *Genome Research* (2016).
24. **Garud NR** and Petrov DA. “Elevated linkage disequilibrium and signatures of soft sweeps are common in *Drosophila melanogaster*.” *Genetics* (2016).
25. **Garud NR** and Rosenberg NA. “Enhancing the mathematical properties of haplotype homozygosity statistics for the detection of soft selective sweeps.” *Theoretical Population Biology* (2015).

26. **Garud NR**, Messer P, Buzbas E, and Petrov D. “Recent selective sweeps in North American *Drosophila melanogaster* show signatures of soft sweeps.” *PLoS Genetics* 11: e1005004 (2015).
27. McCoy RC, **Garud NR**, Kelley JL, Boggs CL, and Petrov DA. “Genomic inference accurately predicts the timing and severity of a recent bottleneck in a non-model insect population.” *Molecular Ecology* (2013).
28. Molina J, Sikora M, **Garud NR**, Flowers J, Rubinstein S, Reynolds A, Huang P et al. "Molecular evidence for a single evolutionary origin of domesticated rice." *Proceedings of the National Academy of Sciences* 108, no. 20 (2011): 8351-8356.

Peer reviewed reviews and opinion pieces:

29. **Garud NR**. “Understanding soft sweeps: a signature of rapid adaptation” *Nature Review Genetics* (2023)
30. **Garud NR**. “Microbial Evolution: An overlooked biomarker of host diet.” *Cell Host and Microbe* (2022).
31. **Garud NR**. “The Tempo and Mode of Adaptation in a Complex Natural Population: the Microbiome.” *mSystems* (2021).
32. Shoemaker W, Chen D, **Garud NR**. “Comparative population genetics in the human gut microbiome.” *GBE* (2021).
33. **Garud NR** and Pollard KS. “Population genetics in the microbiome.” *Trends in Genetics* (2019).
34. Wilson BA*, **Garud NR***, Feder AF*, Assaf ZJ*, and Pennings PS. “The population genetics of drug resistance evolution in natural populations of viral, bacterial and eukaryotic pathogens.” *Molecular Ecology* (2015). *equal contributors.

ONGOING RESEARCH SUPPORT

NIH R35 MIRA	\$1.78M total, \$1.25M direct	08/01/2023-07/31/2028
Evolutionary Dynamics of the Human Gut Microbiome During Colonization		
NSF CAREER	\$916K total, \$ 656K direct	1/17/2023-12/31/2027
Parallel evolution in the microbiome: novel methods for detecting repeated, rapid adaptations in metagenomic data		

COMPLETED RESEARCH SUPPORT

Paul G. Allen Frontiers Group	\$1.5M total, \$300K to my group direct	11/01/2020-12/31/2023
Distinct immune-metabolic niches in inflammatory bowel disease		

In kind UCLA support for microbiome sequencing **\$10K** **07/01/2023-01/15/2024**

Understanding the evolutionary dynamics of gut microbiota in Alzheimer’s Disease.

Scialog: Microbiome, Neurobiology and Disease **\$50K** **07/01/2021-06/30/2023**

Do aging microbiomes evolve pathogenicity via gene shedding? Using evolutionary theory to deconstruct microbiome-based neurodegeneration

UCLA Faculty Research grant **\$6.8K** **07/01/2020-06/30/2022**

Tracking the genetic content of microbiota in a stream

University of California Hellman award **\$25K** **07/01/2021-06/30/2022**

Uncovering the landscape of mutations in the human gut microbiome

UCLA Faculty Career Development award **\$15K** **07/01/2021-09/14/2022**

The evolutionary dynamics of gut microbiota in infants

TEACHING

- Spring 2026 EEB 149: Evolutionary Genomics
- Spring 2026 EEB 172/c202: Advanced Statistics
- Spring 2025 C234: Ethics/RCR Training Course
- Spring 2025 EEB 297: Advanced topics in microbial ecology and evolution
- Winter 2025 EEB 172/c202: Advanced Statistics
- Fall 2024 Pediatric R25 Lecturer: "Analysis of the Microbiome in Health and Disease"
- Spring 2024 EEB 172/c202: Advanced Statistics
- Fall 2023 Pediatric R25 Lecturer: "Analysis of the Microbiome in Health and Disease"
- Fall 2023 Guest lecturer for EEB 200
- Fall 2023 EEB 201: R bootcamp
- Winter 2023 EEB 172/c202: Advanced Statistics
- Fall 2022 EEB 297: Microbiome Evolutionary Genomics
- Winter 2022 EEB 172/c202: Advanced Statistics
- Fall 2021 EEB 297: Microbiome Evolutionary Genomics
- Spring 2021 EEB 149: Evolutionary Genomics
- Winter 2021 EEB 172/c202: Advanced Statistics
- Fall 2020 EEB 297: Population Genomics Simulations with SLiM
- Spring 2020 C234: Ethics and Accountability in Biomedical Research
- Spring 2020 CM222: Algorithms in Bioinformatics
- Winter 2020 EEB 172/c202: Advanced Statistics
- Fall 2019 EEB 297: Recombination in Bacteria Graduate Seminar
- Feb. 2020 Guest lecturer for EEB 250: Tools for First Year Graduate students
- Nov 2019 Guest lecturer for EEB course on ‘How to Obtain a Job’
- Oct. 2019 Guest lecturer for CS 184: Bioinformatics and Systems Biology Undergrad seminar.
- May 2019 Guest lecturer for Population Genetics undergraduate course at UCLA
- Jan. 2019 Guest lecturer for Introduction to Microbiology undergraduate course at UCLA
- Fall 2016 Guest lecturer for Computing in Biology, San Francisco State University
- 2012-2014 Splash! (Stanford Educational Studies Program) course on introductory population genetics to high school students.
- Fall 2013 Teaching assistant for Bio-explorations course at Stanford for freshmen undergrads

Spring 2012 Teaching assistant for the PhD level Genomics course at Stanford

UNIVERSITY AND DEPARTMENTAL SERVICE:

2025-2026 UCLA Bioinformatics PhD Admissions Committee
2024-2025 Member of search committee for the UCLA QCBIO director position
2024-2025 Member of search committee for Conservation Biology Assistant Professor position, Department of Ecology and Evolutionary Biology
2024-current Academic Personnel Committee, Department of Ecology and Evolutionary Biology
2023 Member of organizing committee for the Ecology and Evolutionary Biology annual research symposium
2023 Ecology and Evolutionary Biology Department Awards Committee member
2022-2024 Undergraduate course adviser, Department of Ecology and Evolutionary Biology
2020-2023 Undergraduate Curriculum committee member, Department of Ecology and Evolutionary Biology
2021-2022 Search committee member for the Department of Ecology and Evolutionary Biology CAO position
2021 Reviewer for UCLA’s Cota Robles fellowship applications
2021 Ad Hoc faculty search committee member
2020-2021 Mentor Professor Faculty Search committee member
2020 Graduate student award committee member: Department of Ecology and Evolutionary Biology at UCLA
2019 PhD admissions committee member: Department of Ecology and Evolutionary Biology at UCLA
2019-Present PhD admissions committee member: Bioinformatics graduate program at UCLA
2019-Present PhD admissions committee member: Department of Human Genetics at UCLA
2019-2022 Computational and Systems Biology committee member at UCLA

OTHER PROFESSIONAL ACTIVITIES:

2025 Co-organizer of the SoCAL Evolutionary genomics meeting at UCLA
2025 Session organizer for Spatial Dynamics in Microbiomes at the American Society for Microbiology, Los Angeles, CA
2025 Session Convenor for Population Genetics at the Probabilistic Genomics meeting at Cold Spring Harbor Laboratories, NY
2024 Session Convenor for Population Genetics at the Microbiome meeting at Cold Spring Harbor Laboratories, NY
2024 Session Convenor for Population Genetics at the Biology of Genomes meeting at Cold Spring Harbor Laboratories, NY
2023 Guest speaker for the Gladstone Institutes “Trainee to Tenure Track” career panel.
2022 External examiner for Australian National University MS thesis
2021 Moderator for the 27th annual Boston Bacterial Meeting
2021 Organizer of the “Evolutionary Genetics in Natural Microbial Populations” symposium at the Society for Molecular Biology and Evolution annual meeting.
2020 University of Southern California guest visitor for Women in Science group
2019-current Mentor for Bruins in Genomics at UCLA undergraduate research students
2019 Encountering the Unseen: collaboration with break dancers to depict my paper on the evolutionary dynamics of bacteria in the microbiome at UCLA

- 2017 Organizer of Society for Molecular Biology and Evolution symposium on ‘Probing microbiome dynamics’
- 2016 Organizer of the UCSF OUT in Science panel discussion
- 2014 Poster presentation judge at the Society for Molecular Biology and Evolution
- 2014 Seminar Organizer for the Stanford Center for Evolution and Human Genomics
- 2012 Created a \$30,000 per year fund with the Stanford School of Medicine for travel grants for conferences for all Bioscience PhD students.
- 2011 Organizer of the Biomedical Computation at Stanford (BCATS) Conference
- 2011 Consultant for the Stanford Statistical Consulting group

MENTORING

PI trainings

- 2024 Cooking and Conversations Workshop
- 2023 Advancing Faculty Mentoring Practices Refresher Course
- 2021 Faculty Mentoring workshop hosted by the National Research Mentoring Network

Graduate students and postdocs:

- 2025-current Adam Park (PhD student in Ecology and Evolutionary Biology) – recipient of the Simons Eco Evo Graduate Fellowship
Maya Weissman (Postdoctoral Scholar)
Aditya Iyer (PhD student in Bioinformatics)
- 2022-current Peter Laurin (PhD student in Ecology and Evolutionary Biology)
Michael Wasney (PhD student in Human Genetics)
Aina Martinez i Zurita (PhD student in Human Genetics)
- 2021-current Jonathan Mah (PhD student, Bioinformatics, co-advised with Prof. Kirk Lohmueller and supported by an SIB NIH training grant)
- 2020-2022 William Shoemaker (NSF Postdoctoral Fellow). Currently a postdoc at the Abdus Salam International Centre for Theoretical Physics
- 2020-2025 Mariana Harris (PhD student, Math Bio program, supported by SIB and GATP NIH training grants), defended.
- 2019-current Richard Wolff (PhD student, Ecology and Evolutionary Biology)
- 2019-2023 Leah Briscoe (PhD student, Bioinformatics; Joint with Eran Halperin, supported by an NSF graduate research fellowship), defended. Currently employed at Bayer.

Graduate rotation students

- 2025 Anna McDonald (PhD rotation student, Bioinformatics)
Yashas Appaji (PhD rotation student, Bioinformatics)
- 2024 Suchita Lulla (PhD rotation student, Genetics and Genomics)
Jacob Argandona (PhD rotation student, Genetics and Genomics)
Isha Tripathi (PhD rotation student, Biomath)
- 2021 Alejandro Espinoza (PhD rotation student, Genetics and Genomics. Cota Robles fellow).
- 2020 Albert Xue (PhD rotation student, Bioinformatics)
Nicole Zeltser (PhD rotation student, Genetics)
Helen Huang (PhD rotation student, Bioinformatics)

Undergraduate students:

- 2025-current Brendan Aeria (BS student, Computational and Systems Biology)
- 2023-2025 Alexandria Hunt (BS student, Computational and Systems Biology)

2024	Evelyn Barajas (Bruins in Genomics summer student)
2023	Radha Ganesh (Bruins in Genomics summer student) Joeeun Jeon (Bruins in Genomics summer student)
2022	Julianna Perez (Bruins in Genomics summer student) Kaysa Pfanmuller (Bruins in Genomics summer student)
2022-2023	Brian Roysar (BS student, Computer Science and Math)
2021-2022	Brock Karas (BS student, Ecology and Evolutionary Biology) Sarah Bald (BS student, Bruins in Genomics summer student) (currently a PhD student at Boston University)
2020-current	Rahul Natrajan (BS student, Computer Science) (Currently an MS student at Columbia University) Nada AbouHaiba (BS student) (currently a medical student at the Mayo Clinic) Henry Krasner (BS student) (currently a medical student at University of Nevada)
2021	Melody Zhang (BS student) Maggie Yu (BS student) Samantha Chung (BS student) Anna McDonald (BS student, Bruins in Genomics summer student) Ashwin Deena (BS student, CASB) Alejandro Espinoza (PhD rotation student, Genetics and Genomics. Cota Robles fellow).
2020	Shavonna Jackson (BS student, Bruins in Genomics) Etan Dieppa (BS student, Bruins in Genomics) Kevin Delao (BS student, Bruins in Genomics) Maya Singh (BS student, Bruins in Genomics) Anshuman Mahalley (BS student, Computer Science)
2019	Daisy Chen (BS student, Computer Science) (currently a PhD student at UCSD) Sara Thornburgh (BS student, Ecology and Evolutionary Biology) Sara Makanani (MS student, Ecology and Evolutionary Biology)
2017-2019	Annamarie Bustion (PhD student, UCSF, under Katherine Pollard's supervision)
2017-2019	Katherine Zhang (HS student). Project won semi finalist position at the National Siemens Westinghouse Competition. (Currently an undergraduate student at Harvard)
2016	Haleigh Miller (Summer Undergraduate, Foothill College).

GRADUATE COMMITTEES

PhD Committee member for:

Vivan Yifan Li, 2026-Present (Ecology and Evolutionary Biology)
 Marlene Walters, 2026-Present (Ecology and Evolutionary Biology)
 Austin Betancourt, 2024-Present (Ecology and Evolutionary Biology)
 Kevin Rodriguez, 2023- Present (Ecology and Evolutionary Biology)
 Celine Snedden, 2022-2024 (Ecology and Evolutionary Biology)
 Alejandra Gamboa 2021-Present (Ecology and Evolutionary Biology)
 Liat Shenov, 2019-2020 (Computer Science)
 Rosa McGuire 2020-2023 (Ecology and Evolutionary Biology)
 Chris Kyriazis, 2020-2022 (Ecology and Evolutionary Biology)
 Natalie Lozano, 2020-2022 (Ecology and Evolutionary Biology)
 Jesse Garcia, 2020-2022 (Ecology and Evolutionary Biology)
 Riley Mummah 2020-2022 (Ecology and Evolutionary Biology)
 Tina Del Carpio 2020-2024 (Ecology and Evolutionary Biology)
 Serena Huang 2020-2024 (Genetics and Genomics)
 Eva Horna Lowell 2020-2022 (Ecology and Evolutionary Biology)

PhD Guidance Committee member for:

Diego Lera-Lozano (Ecology and Evolutionary Biology)
Erika Ono-Kerns (Ecology and Evolutionary Biology)
Lindsay Reedy (Ecology and Evolutionary Biology)
Austin Betancourt (Ecology and Evolutionary Biology)
Heidi Yang (Ecology and Evolutionary Biology)
Eva Horna Lowell (Ecology and Evolutionary Biology)
Albert Chung (Ecology and Evolutionary Biology)
Daniel Littman (Bioinformatics)

MS Committee member for:

Evelyn Malmut (Ecology and Evolutionary Biology)
Philip Lee (Bioinformatics)
Davis Mai (Ecology and Evolutionary Biology)
April Zhou (Ecology and Evolutionary Biology)
Shaili Mathur (Computational and Systems Biology)
Emoni Cook (Ecology and Evolutionary Biology)

INVITED PRESENTATIONS

1. July 2026 Plenary speaker that the Society for Molecular Biology and Evolution, Denmark
2. June 2026 President's forum, American Society for Microbiology, Washington DC
3. Apr. 2026 Cedars Sinai Microbiome Seminar Series
4. Apr. 2026 University of New Mexico Biology Research Days Keynote Speaker
5. Mar. 2026 University of Irvine, California, Department of Molecular Biology and Biochemistry Departmental Seminar Series
6. Oct. 2025 UnityInDiversity Conference organized by the ISME Early Career Scientist Committee
7. Sep. 2025 USC Center for Ecological and Evolutionary Dynamics Seminar Series
8. Sep. 2025 UC Berkeley, Center for Computational Biology Seminar Series
9. Sep. 2025 Cal State Northridge Department of Biology Seminar Series
10. Sep. 2025 Southern California Microbiome Symposium, Caltech University
11. July 2025 Computational Genomics Summer Institute, UCLA
12. June 2025 QCBio Faculty Research Symposium, UCLA
13. May 2025 Stanford University, Department of Biomedical Data Science Seminar Series
14. May 2025 UC San Diego, Ecology and Evolutionary Biology Seminar Series
15. Apr. 2025 Microbial Eco Evolutionary Medicine at the Lorentz Center, Leiden, Netherlands
16. Mar. 2025 Session convenor and invited speaker for the Population Genetics session at the Probabilistic Genomics meeting, Cold Spring Harbor Laboratory, NY
17. Nov. 2024 Popgen Vienna Seminar Series at the Vienna Graduate School of Population Genetics
18. Oct. 2024 Goodman Luskin Microbiome Seminar Series, UCLA
19. Oct. 2024 Session convenor and invited speaker for the Ecology and Evolution session at the Microbiome meeting, Cold Spring Harbor Laboratory, NY
20. Oct. 2024 McGill Quantitative Life Sciences Speaker
21. Sept. 2024 Lake Arrowhead Microbial Genomics meeting, Lake Arrowhead, CA
22. July 2024 Bruins in Genomics Summer Seminar Series, UCLA
23. July 2024 Kavli Institute for Theoretical Physics, Horizontal Gene Transfer meeting, Santa Barbara, CA
24. July 2024 Society for Molecular Biology and Evolution, Microbiome session invited speaker, Puerto Vallarta, Mexico

25. July 2024 Computational Genomics Summer Institute, UCLA
26. June 2024 American Society for Microbiology, EEB hub track speaker
27. May 2024 Session convenor and invited speaker for the Population Genetics session at the Biology of Genomes meeting, Cold Spring Harbor Laboratories, NY
28. Mar. 2024 Session convenor at the Population, Evolution and Quantitative Genomics meeting in Washington DC (Declined due to parental leave)
29. Oct. 2023 Ecology and Evolutionary Biology Seminar Series, UCLA
30. Sept. 2023 Computational Medicine Seminar Series, UCLA
31. July 2023 Computational Genomics Summer Institute, UCLA
32. July 2023 San Francisco State University EEB BIPOC seminar series
33. June 2023 McGill University: Adaptation in Structured Populations Symposium
34. May 2023 QCBio Career Development Seminar, UCLA
35. May 2023 Cedars Sinai Computational Biomedicine Grand Rounds Seminar
36. April 2023 Paul Allen Annual Meeting – presentation on diversity along the gut
37. March 2023 Cornell Institute of Host-Microbe Interactions and Disease Seminar
38. Dec. 2022 Keystone Conference: The Human Microbiome: Ecology and Evolution. Banff, Canada
39. Nov. 2022 Stanford Center for Human Genetics Seminar
40. Oct. 2022 NHLBI: Role of the Microbiome in Heart, Lung, Blood and Sleep Disorders workshop
41. Oct. 2022 University of Georgia Departmental Seminar
42. July 2022 University of California, Los Angeles, QCBIO seminar series
43. May 2022 Keynote speaker at two RECOMB satellite meetings
44. May 2022 Cedars Sinai Seminar
45. May 2022 University of Arizona Department Seminar
46. Apr. 2022 SoCal Systems Biology Meeting
47. Apr. 2022 University of Manchester Department Seminar
48. Oct. 2021 Institute for Systems Biology, Seattle WA, Virtual Microbiome Series
49. Oct. 2021 Cornell University Department Seminar
50. Oct. 2021 Columbia University Department Seminar
51. Sept. 2021 Universidad Nacional Autónoma de México Departmental Seminar
52. June 2021 American Society for Microbiology talk
53. May 2021 University of British Columbia Department Seminar
54. May 2021 UC Berkeley CTEG seminar
55. April 2021 UC Irvine Department Seminar
56. April 2021 McGill Department Seminar
57. Mar. 2021 Paul Allen Institute
58. Feb. 2021 Gulbenkian Institute in Portugal, Seminar
59. Jan. 2021 UCSF Microbiome Center Symposium
60. Nov. 2020 University of Vienna Departmental Seminar
61. Oct. 2020 UC Davis EEB Departmental Seminar
62. Oct. 2020 Penn State University Departmental Seminar
63. Aug. 2020 Emory University Microbiome Seminar
64. June 2020 World Microbiome Day Seminar, Vanderbilt University
65. Jan. 2020 Microbiome Population Genetics, Chan Zuckerberg Institute
66. Jan. 2020 Emerging Opportunities for Mathematics in the Microbiome, Institute for Pure and Applied Mathematics at UCLA
67. Dec. 2019 Deciphering Microbiomes at the National Science Foundation, DC
68. Sept. 2019 Keynote speaker for the Institute for Quantitative and Computational Biosciences
69. Sept. 2019 Department of Human Genetics at UCLA Seminar
70. Sept. 2019 University of Southern California Departmental Seminar

71. Sept. 2019 UCLA Anesthesiology Grand Rounds
72. Aug. 2019 University of Minnesota Microbial and Plant Genomics Institute Symposium
73. July 2019 UCLA Computational Genomics Summer Institute
74. June 2019 American Society for Microbiology: *Plenary Session*
75. Jan. 2019 UCLA Behavior, Evolution, and Culture speaker series
76. March 2018 University of Pennsylvania Biology Departmental Seminar
77. Feb. 2018 New York Genome Center Departmental Seminar
78. Feb. 2018 Temple University iGEM Departmental Seminar
79. Jan. 2018 UCLA Ecology and Evolutionary Biology Departmental Seminar
80. Dec. 2013 Penn State University, Department of Biology

SELECT CONFERENCE PRESENTATIONS AND OTHER SEMINARS:

1. Oct. 2019 Southern CALifornia Evolutionary Genetics & Genomics (SCALE) meeting, University of California, Irvine
2. Oct. 2018 Microbial Ecology and Evolution meeting in Lisbon, Portugal
3. Sept. 2018 Lake Arrowhead Microbial Genetics
4. Jan. 2018 New York Area Population Genetics meeting
5. Nov. 2017 Bay Area Population Genetics meeting
6. April 2017 California Academy of Sciences
7. July 2015 Society for Molecular Biology and Evolution
8. Nov. 2014 Stanford Genetics Department
9. June 2014 Society for Molecular Biology and Evolution
10. Jan. 2014 Biomedical Computation at Stanford
11. July 2013 Walter Fitch Symposium, Society for Molecular Biology and Evolution
12. April 2013 Drosophila Research Conference
13. April 2013 Stanford Genome Training Program retreat
14. Jan. 2013 Bay Area Population Genetics meeting

Conference travel awards

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| 2018 | Eco-Evo travel award to the Gulbenkian, Portugal |
| 2018 | Genetics Society of America DeLill Nasser Award |
| 2017 | Gladstone Institutes Career Advancement Award |
| 2015 | SMBE in Vienna Young Investigator Travel Award |
| 2014 | Stanford BioX travel grant to the SMBE conference in Puerto Rico |
| 2013 | SMBE travel grant to the SMBE conference in Chicago |
| 2013 | Stanford BioX travel grant to the Drosophila conference in Washington DC |
| 2013 | Stanford School of Medicine travel grant to the Drosophila conference in Washington DC |
| 2012 | Stanford Department of Biology travel grant to the SMBE conference in Ireland |
| 2011 | National Science Foundation travel award to the SMBE conference in Kyoto, Japan |