

Rayna M. Harris, PhD

Science, Education, Community Engagement

Education

- 2012 - 2017 Ph.D. Cell and Molecular Biology. The University of Texas at Austin
- 2002 - 2006 B.S. Biochemistry. The University of Texas at Austin

Certifications

- 2024 200-hour Hatha Yoga Teacher Training. Palisades Yoga, Olympic Valley, CA

Experience

- 2023 - 2024 Adjunct Faculty. Lake Tahoe Community College
- 2021 - 2023 Postdoctoral Scholar. University of California, Davis
- 2020 - 2022 Parking Supervisor. Alpine Meadows Ski Resort
- 2018 - 2020 Postdoctoral Scholar. University of California, Davis
- 2010 - 2012 Laboratory Manager. The University of Texas at Austin
- 2007 - 2010 Teaching Specialist. The University of Texas at Austin

Honors and Awards

- 2019 AAAS Community Engagement Fellowship.
- 2014, 15, 16 Academic Enrichment Fund Award.

Teaching Experience

- Spring 2024 Principles of Biology III Lab (BIO 103). Lake Tahoe Community College
- 2023 - 2024 Yoga Instructor. Courage Project
- Spring 2023 Organic Chemistry III Lab (CHM 223L). Lake Tahoe Community College
- Spring 2023 Cell and Molecular Biology (BIO 110). Lake Tahoe Community College
- Winter 2023 Principles of Biology III Lecture (BIO 103). Lake Tahoe Community College
- 2022 Introduction to R. University of California, Davis
- 2022 Introduction to Cloud Computing. University of California, Davis
- 2022 Introduction to UNIX for Cloud Computing. University of California, Davis
- 2016 - 2019 Instructor Training. The Carpentries
- 2017 Biostatistics (SDS 328M). The University of Texas at Austin
- 2013 Problems in Modern Biology (BIO 301E). The University of Texas at Austin
- 2007 - 2010 Organic Chemistry Laboratory (CH 210C). The University of Texas at Austin
- 2008 - 2009 Introduction to Spanish. Futura Language Professionals

Selected Publications

Available at https://scholar.google.com/citations?user=_bVy9pMAAAAJ&hl=en

- 2022 A Parigi, MC Lim, S Canchi, J Sanchez, J Walter, RM Harris, et al., A virtual training module for introducing the use of Amazon Web Services. *Journal of Open Source Education* 5 (54), 167
- 2021 SH Austin, JS Krause, R Viernes, VS Farrar, AM Booth, RM Harris, et al., Uncovering the sex-specific endocrine responses to reproduction and parental care. *Frontiers in Endocrinology* 12, 631384
- 2020 A Nederbragt, RM Harris, AP Hill, G Wilson, Ten quick tips for teaching with participatory live coding. *PLoS Computational Biology* 16 (9), e1008090
- 2019 DJB Clarke, L Wang, A Jones, ML Wojciechowicz, D Torre, KM Jagodnik, et al., FAIRshake: Toolkit to Evaluate the FAIRness of Research Digital Resources. *Cell systems* 9 (5), 417-421
- 2019 RM Harris, HY Kao, JM Alarcon, HA Hofmann, A Fenton, Hippocampal transcriptomic responses to enzyme-mediated cellular dissociation. *Hippocampus* 153585
- 2018 GA Devenyi, R Emonet, RM Harris, KL Hertweck, D Irving, I Milligan, et al., Ten simple rules for collaborative lesson development. *PLOS Computational Biology* 14 (3), e1005963
- 2016 RM Harris, LA O'Connell, HA Hofmann, Brain Evolution, Development, and Plasticity. *The Wiley Handbook of Evolutionary Neuroscience* 422
- 2015 RM Harris, HA Hofmann, Seeing is believing: Dynamic evolution of gene families. *Proceedings of the National Academy of Sciences* 112 (5), 1252-1253
- 2014 D Brawand, CE Wagner, YI Li, M Malinsky, I Keller, S Fan, O Simakov, et al., The genomic substrate for adaptive radiation in African cichlid fish. *Nature* 513 (7518), 375-381
- 2014 RM Harris, HA Hofmann, Neurogenomics of Behavioral Plasticity. *Advances in Experimental Medicine and Biology* 781, 149-168

Service

- 2023 - 2024 Yoga Instructor . Courage Project
- 2018 - 2019 Spanish Translator. The Carpentries
- 2017 - 2018 Secretary. Software Carpentry Steering Committee
- 2016 - 2017 Poster Judge. College of Natural Science Undergraduate Research Forum
- 2012 - 2017 Coordinator. Annual Big Data in Biology Symposium
- 2014 - 2016 Coordinator. Summer School for Big Data in Biology
- 2014 Coordinator. Transdisciplinary Graduate Student Luncheon
- 2009 Spanish Translator. INBio Park, Costa Rica
- Peer-reviewer. AAS Open Research; Behavioral Ecology; Genes, Genomes & Genetics; Genes, Brains & Behavior; Journal of Experimental Zoology Part A; Nature; Physiology & Behavior; Proceedings of the Royal Society B; rOpenSci