

Dr. Rayna M. Harris

Scientist, Educator, Community Engagement Manager

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

Experience

- 2021 - 2022 Postdoctoral Scholar. University of California, Davis
- 2020 - 2022 Parking Supervisor. Alpine Meadows Ski Resort
- 2020 - 2021 Nursery Supervisor. Rock & Rose Nursery & Landscaping
- 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.
- 2019 rstudio::conf 2019 Diversity Scholarship.
- 2017 Outstanding Graduate Student Academic Employee Award.
- 2016, 17 University Graduate Continuing Fellowship.
- 2014, 15, 16 Academic Enrichment Fund Award.

Service

- 2022 Volunteer. Tahoe Institute for Natural Science
- 2019 Coordinator. I Can Science, a National Geographic Video Series
- 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

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 Citations: 0
- 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 Citations: 4
- 2021 AL Charbonneau, A Brady, CT Brown, SA Sansone, A Ma'ayan, et al., Making Common Fund data more findable: Catalyzing a Data Ecosystem. *bioRxiv* 2021 (11), <https://doi.org/10.1101/2021.11.05>. Citations: 2
- 2020 A Nederbragt, RM Harris, AP Hill, G Wilson, Ten quick tips for teaching with participatory live coding. *PLoS Computational Biology* 16 (9), e1008090 Citations: 8
- 2020 RM Harris, HY Kao, JM Alarcón, AA Fenton, HA Hofmann, Transcriptome analysis of hippocampal subfields identifies gene expression profiles associated with long-term active place avoidance memory. *BioRxiv* 2020 (2), <https://doi.org/10.1101/2020.02.05.93575> Citations: 2
- 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 Citations: 18
- 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 Citations: 858
- 2014 RM Harris, PD Dijkstra, HA Hofmann, Complex Structural and Regulatory Evolution of the Pro-Opiomelanocortin Gene Family. *General and Comparative Endocrinology* 195, 107-115 Citations: 40

Selected Presentations

Available at <https://speakerdeck.com/raynamharris>

- 2020 Shiny Musical Genes. UC Davis
- 2020 A journey in 'omics research from the bottom of the ocean to the top of a mountain. Sacramento State University
- 2020 Peaks and valleys of prolactin-driven gene expression in parental care. UC Davis
- 2019 Community-driven efforts to translate educational materials into many languages. FORCE 11 Annual Meeting
- 2019 RNAseq: A five course meal. UC Davis
- 2019 Managing Multilingual Communities. rOpenSci Community Call
- 2018 Usando y Enseñando R para Investigación Reproducible. R Ladies Buenos Aires
- 2018 Zombie Brains: Microbial Mind Control. Nerd Nite Austin