

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.
2016 Society for Integrative and Comparative Biology Grant in Aid of Research.
2014, 15, 16 Academic Enrichment Fund Award.

Service

- 2012 - 2021 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
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

Selected Publications

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

- 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: 3
- 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: 1
- 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: 851
- 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
- 2017 Transcriptional plasticity in the hippocampus and its role in avoidance learning. UT Austin