

Taurus P. Vilgalys

Department of Evolutionary Anthropology
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Education

Ph.D. Fall 2019 (projected) Evolutionary Anthropology, Duke University
B.S. 2014 Biology, Loyola Marymount University

Professional Experience

2012-14 **Undergraduate Research Fellow** – Loyola Marymount University
2013 **Howard Turner Research Fellow** – University of Denver
2012 **NSF REU Intern** – Mote Marine Laboratory
2011-12 **RAINS Research Fellow** – Department of Biology, Loyola Marymount University

Awards and Honors

2017 Society for Molecular Biology and Evolution Young Investigator Travel Award
2017 Duke University Summer Research Fellowship
2016 NSF Graduate Research Fellowship Program Honorable Mention
2014 James B. Duke Fellowship, Duke University
2014 Carl G. Kadner Award, Loyola Marymount University
2013 Towner Scholarship, Loyola Marymount University
2012 William McLaughlin Memorial Scholarship, Loyola Marymount University

Peer-Reviewed Publications

2019 **Vilgalys TP**, Rogers J, Jolly C, Mukherjee S, Baboon Genome Analysis Consortium, Tung J. Evolution of DNA methylation in *Papio* baboons. *Molecular Biology & Evolution* 36(3): 527-540.
2019 Rogers J, et al., Baboon Genome Analysis Consortium (including **Vilgalys TP**). The comparative genomics and complex population history of *Papio* baboons. *Science Advances* 5(1): eaau6947.
2018 Watts HE, Jiminez D, Pacheco V, **Vilgalys TP**. Temperature-correlated shifts in the timing of egg laying in house finches *Haemorrhous mexicanus*. *International Journal of Avian Science*: doi.org/10.1111/ibi.12676.
2018 Watts HE, Jiminez D, Pacheco V, **Vilgalys TP**. Effects of temperature on the timing of breeding and molt transitions in house finches. *Journal of Experimental Biology* 221: 185058.
2017 Lea AJ, **Vilgalys TP**, Durst PAP, Tung J. Maximizing ecological and evolutionary insight from bisulfite sequencing data sets. *Nature Ecology & Evolution* 1(8): 1074.
2014 **Vilgalys TP**, Sears R, Hand E, Morlege-Hampton S, Carmona-Galindo V. Exploration of climate influences on the abundance of galls on red willows (*Salix laevitigata*) across two riparian communities in Southern California. *Journal of Ecology and the Natural Environment* 5(5): 164-169.

Grants Received

2018 Leakey Foundation Research Grant: *Natural selection on gene regulation following admixture in wild baboons*. June 2018 – May 2020, \$14,136.

2018 National Science Foundation: Doctoral Dissertation Research Improvement Grant,
Leveraging natural hybridization to understand the evolution of primate gene regulation.
March 2018 – February 2020, \$19,995.

Scientific Presentations

Talks

2016 Evolutionary Anthropology Talk Series, Duke University
2013 Summer Research Conference, Loyola Marymount University
2013 Undergraduate Research Symposia, Loyola Marymount University
2012 West Coast Biological Undergraduate Research Conference
2012 Undergraduate Research Symposia, Loyola Marymount University

Poster

2017 Society for Molecular Biology and Evolution
2014 West Coast Biological Undergraduate Research Conference
2014 This is Honors, Loyola Marymount University Honors Program
2014 Undergraduate Research Symposia, Loyola Marymount University
2014 Socio-Economic Analyses of Coastal Ecosystem Resilience Symposia
2012 Southern California Conference for Undergraduate Research
2012 REU Research Symposium, Mote Marine Laboratory
2011 Southern California Conference for Undergraduate Research
2011 Undergraduate Research Symposia, Loyola Marymount University

Teaching

Teaching Assistant, Duke University

Evolutionary Medicine and Global Health (Fall 2014, Fall 2016, Fall 2017)
Primate Field Biology (Spring 2017, Spring 2018, Fall 2018)
Intro to Evolutionary Anthropology (Spring 2014, Fall 2015, Spring 2019)

Teaching Assistant, Loyola Marymount University

General Biology 1 Lab (Fall 2012, Fall 2013)
General Biology 2 Lab (Spring 2013)
Hormones and Behavior (Spring 2014)

Academic Service

Duke University

Evolutionary Anthropology representative on the Graduate and Professional Student Council
(2015-2016)

Loyola Marymount University

Academic Chair, Tri-Beta Biological Honors Society (2012-2013)
Student Honors Advisory Council (2010-2014)
Executive Board, Alpha Sigma Nu (Jesuit Honors Society) (2013-2014)

Other service

Reviewer service for *Molecular Biology and Evolution*
Public outreach, including guest lectures for high school classes and free-to-the-public events at the North Carolina Museum of Natural Sciences
Development of teaching materials for high school biology classes, particularly lesson plans about the structure and function of DNA and the genetic basis of complex traits