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EDUCATION

- 2008-2015 **Ph.D. in Biological Sciences**, University of California Irvine
Advisor: Dr. Michael R. Rose. Thesis: "Experimental Tests of Speciation Mechanisms in *Drosophila melanogaster*."
- 2007 **M.S. in Biological Sciences**, California State University, Sacramento
Advisor: Dr. Brett Holland. Thesis: "The truth behind wing-song: Testing the good-genes hypothesis in *Drosophila melanogaster*."
- 2004 **B.S. in Biological Sciences**, California State University, Stanislaus

APPOINTMENT HISTORY

- 2013-2015 Internal Vice President & Chair of Education, Epsilon Tau Kappa (ETK),
The Science Honor Society, University of California, Irvine
- 2012-2013 Chief Operations Officer, Rose, Mueller, & Greer Lab Group, Department of
Ecology and Evolutionary Biology, University of California, Irvine
- 2010 Resident Scientist, NSF GK-12 program, 10th grade biology class of Ms. Nelida
Rojas, Santa Ana High School, California
- 2009-2013 Laboratory Manager, Laboratory of Dr. Laurence Mueller, Department of
Ecology and Evolutionary Biology, University of California, Irvine
- 2009-2013 Laboratory Manager, Laboratory of Dr. Michael Rose, Department of Ecology
and Evolutionary Biology, University of California, Irvine
- 2009-2014 Senior Intern, Network for Experimental Research on Evolution, University of
California
- 2008-2015 Graduate Student-Ph.D., Laboratory of Dr. Michael Rose, Department of
Ecology and Evolutionary Biology, University of California, Irvine

- 2007-2008 Lecturer, Department of Biological Sciences, California State University, Sacramento
- 2006-2008 Junior Specialist, Laboratory of Dr. Sergey Nuzhdin, Department of Evolution and Ecology, University of California, Davis
- 2004-2008 Laboratory Manager, Laboratory of Dr. Brett Holland, Department of Biological Sciences, California State University, Sacramento
- 2004-2007 Graduate Student-M.Sc., Department of Biological Sciences, Laboratory of Dr. Brett Holland, California State University, Sacramento
- 2001-2003 Camp Director & Coach, Skyhawk's Sports Academy, Sacramento, CA

PUBLICATIONS

5. Rose, M. R., **Cabral, L. G.**, Kezos, J. N., Barter, T. T., Phillips, M. A., Smith B. L., and Burnham, T. C. 2015. Four steps toward the control of aging: following the example of infectious disease. *Biogerontology* DOI 10.1007/s10522-015-9588-6
4. **Cabral, L. G.** and B. Holland. 2014. Courtship song does not increase the rate of adaptation to a thermally stressful environment in a *Drosophila melanogaster* laboratory population. *PLoS ONE* 9(11): e111148. doi:10.1371/journal.pone.0111148
3. Rose, M. R., **L. G. Cabral**, M. A. Philips, G. A. Rutledge, K. H. Phung, L. D. Mueller, and L. F. Greer (2014). The Great Evolutionary Divide: Two Genomic Systems Biologies of Aging. Yashin A. I., Jazwinski S. M. (eds): *Aging and Health – A Systems Biology Perspective*. Interdiscipl Top Gerontol. Basel, Karger, 2014, vol 40, pp 63–73 (DOI:10.1159/000364930)
2. Mueller, L. D. and **L. G. Cabral**. 2012. Does adult size evolve in response to varying food levels? *Evolution* 61: 263-271.
1. **Cabral, L. G.**, B. R. Foley, and S. V. Nuzhdin. 2008. Does Sex Trade with Violence among Genotypes in *Drosophila melanogaster*? *PLoS ONE* 3(4):e1986.doi:10.1371/journal.pone.0001986

PUBLICATIONS – In Final Preparation for submission.

- J. N. Kezos, **L. G. Cabral**, G. Azatian, J. Buenrostro, A. Rahman, L. D. Mueller, and M. R. Rose. How important is evolutionary history for physiology in *Drosophila melanogaster*?

Graves J. L., L. F. Greer, M. Han, Hertweck K., Phillips M. A., Burke, M. K., **Cabral L. G.**, Barter T. T., Mueller L. D. and M. R. Rose. Neobalance Genomics of Convergent Adaptation during Mendelian Experimental Evolution.

Burke M. K., T. T. Barter, **L. G. Cabral**, J. N. Kezos, M. A. Phillips, G. A. Rutledge, K. H. Phung, R. H. Chen, H. D. Nguyen, L. D. Mueller, and M. R. Rose. Rapid Divergence and Convergence of Life-History In Experimentally Evolved *Drosophila melanogaster*.

M. A. Santos, G. A. Rutledge, **L. G. Cabral**, D. S. Kawamoto, Z. Al-Tai, B. J. Kuey, M. Matos. L. D. Mueller, and M. R. Rose. Does Diet Matter for Health? Focal Adaptation to Diet in *Drosophila melanogaster*.

TEACHING EXPERIENCE

2008-2014 Graduate Teaching Assistant.

Department of Ecology and Evolutionary Biology, University of California, Irvine. Assisted in lower- and upper-division majors and non-majors courses. Led discussion and lab sections.

- Organisms to Ecology, Bio 94. Lower-division majors (4 quarters).
- Experimental Biology, Bio 100LW. Upper-division majors (3quarters).
- Ecology and Evolution, Bio E106 Upper-division majors (5 quarters).
- Introduction to Ecology, Bio 55 (1 quarter).
- Idiom & Practice of Science, (Honors) H90 (2 quarter).
- Evolution Laboratory, 115L, (1 quarter)

2007-2008 Lecturer.

Department of Biological Sciences, California State University, Sacramento.

- Basic Biological Concepts, Bio 10. Lower-division majors (2 semesters).
- General Ecology Laboratory, Bio 160. Upper-division majors (2 semesters).

2005-2007 Graduate Teaching Assistant.

Department of Biological Sciences, California State University, Sacramento

- Organismal Biology, Bio 5. Lower-division majors (4 semesters).

2001-2003 Camp Director & Coach,

Skyhawk's Sports Academy, Sacramento, CA

Camp organizer and sports instructor for children ages 5 to 14

MENTORING EXPERIENCE

- 2008-2015 Mentoring Undergraduate Researchers, Laboratory of Dr. Michael Rose and Dr. Laurence Mueller, UC Irvine
- Four former undergraduates are currently Ph.D. students in the Rose (2) and Mueller (2) labs.
 - Eight undergraduate students awarded *Excellence in Research*.
 - Two undergraduate students awarded in *Honors in Research*.
 - Supervised and managed several research teams, a total of 580 undergraduate students over five years.
- 2009 Graduate Division Summer Research Program (SRP) for prospective diversity students to conduct faculty mentored research and graduate preparation, University of California, Irvine.
- STEM Summer Bridge Program. Research opportunity for community college students to become immersed in cutting-edge science, engineering, and mathematics research, University of California, Irvine (2 students)
- SEE Scholars Program. Opportunity for high school students to conduct graduate mentored research in a university setting, University of California, Irvine. (4 students)

FUNDING AWARDS

- 2013-2014 National Science Foundation. Doctoral Dissertation Improvement Grant Award No. DEB-1311644 Project: "Effect of Evolutionary History on Reproductive Isolation". \$16,621.00
- 2013-2014 US Department of Education. Graduate Assistance in Areas of National Need Fellowship. Tuition, Fees, & Stipend \$24,216.00
- 2013-2014 US Department of Education. Graduate Assistance in Areas of National Need Research and Travel Funds. \$1,965.00
- 2011-2012 US Department of Education. Graduate Assistance in Areas of National Need Fellowship. Tuition, Fees, & Stipend: \$22,700.00
- 2011-2012 US Department of Education. Graduate Assistance in Areas of National Need Research and Travel Funds. \$6,077.51
- 2010 National Science Foundation. GK-12 Education in Biological Sciences Program Tuition, Fees, & Stipend: \$15,000.00

- 2009-2013 Network for Experimental Research on Evolution. Internship, UC Irvine
Stipend: \$10,000
- 2008-2012 Eugene Cota-Robles (ECR) Fellowship, University of California
Tuition, Fees, & Stipend: \$36,000
- 2008 AGEP Competitive-Edge Summer Research Program, UC Irvine
Fees & Stipend \$4,000
- 2008 CSU Chancellor's Doctoral Incentive Program Award, California State University

COMMUNITY OUTREACH

- 2014-present Ask-A-Scientist Night, Irvine Unified School District, CA, Volunteer
- 2014-present The Annual Irvine Unified School District Science Fair, Science
Fair Judge
- 2010-present 10th grade biology, class of Ms. Nelida Rojas, Santa Ana High
School, Resident Scientist, Santa Ana, California

PEER REVIEW

- 2012 Journal of Genetics, Reviewer.
- 2012 Journal of Gerontology: Biological Sciences, Reviewer

PROFESSIONAL SERVICE

- 2013-2015 Epsilon Tau Kappa (ETK), The Science Honor Society, Founding
Internal Vice President & Chair of Education, University of California, Irvine
- 2009-11, & 2013 Western Evolutionary Biology Meetings. Co-organizer of annual
meetings, University of California, Irvine & University of California, Berkeley
- 2009 Southern California "Integrating Minds" Discussion Group, Organizer of
annual meeting, University of California, Irvine

PROFESSIONAL SOCIETIES

- 2012-present Society for the Study of Evolution