

Jeffrey Ross-Ibarra

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Education

PhD Genetics, University of Georgia 2006
MS Botany, University of California Riverside 2000
BA Botany, University of California Riverside 1998

Academic Employment

Professor, Dept. Evolution and Ecology, University of California Davis 2019-present
Professor, Dept. Plant Sciences, University of California Davis 2016-2019
Associate Professor, Dept. Plant Sciences, University of California Davis 2012-2016
Assistant Professor, Dept. Plant Sciences, University of California Davis 2009-2012
Postdoctoral Researcher, University of California Irvine 2006-2008
Profesor de Asignatura, Universidad Nacional Autónoma de México 2001

Selected Fellowships and Awards

Fellow, AAAS 2021
Corn Pun Trophy, Genetics Society of America 2017
Stadler Mid-Career Excellence in Maize Genetics Award 2016
Faculty Development Award in recognition of university service 2015
DuPont Young Professor Award 2012
Presidential Early Career Award for Scientists and Engineers 2009
Dean's Award for Postdoctoral Excellence, UC Irvine 2008

Instruction and Advising

Current (total) advisees: 6 (25) postdoc, 4 (9) graduate, 3 (30) undergraduate
Plant Biology (UC Davis, PLB200A, graduate), 2018-present
Genetics (UC Davis, BIS 101, undergraduate), 2013-present
Ecological Genomics (UC Davis, ECL 243, graduate), 2014-present
Faculty advisor, US-Mexico graduate student exchange program, 2011-2015
Population and Quantitative Genetics (GGG 201D, graduate), 2010-2013
Plant Genetics (PLS 152, undergraduate), 2010-2011
Biología de Plantas I (undergraduate), UNAM, 2001

Service: selected from last 2 years

University

Chair, CBS High Performance Computing Advisory Cmte
 Chair, Ecology & Evolution Seminar Series
 Faculty Executive Cmte, College of Biological Sciences
 Advisory cmte, controlled environment facility
 Advisor, graduate student of color mentoring program
 Faculty host, HBCU summer research internship program
 Campus-wide High-Performance Computing Task Force
 Executive Cmte, Plant Biology Graduate Group
 Ecology Graduate Group admissions committee
 Graduate advisor in ecological genomics, Ecology Graduate Group
 Campus Disciplinary Peer Review Committee on sexual violence and sexual harassment
 Section Chair for Agricultural Plant Biology
 Plant Sciences executive committee
 Faculty advisor, Corteva graduate student symposium in plant science
 Search committees: Climate Adaptation
 Dept. of Plant Sciences academic planning committee

Professional

Chair, PEQG Conference (2022)
 Advisory board, FOREVER project
 Organizing Committee, PEQG 2020 Conference
 Abstract review, SACNAS
 Organizer, Zeavolution webinar series
 Maize Genetics conference steering committee
 Maize Genetics Awards Committee
 Editorial Boards: Genes, Genomes, and Genetics (Senior and Associate Editor) New Phytologist (Associate Editor) PLoS Genetics (Associate Editor) PeerJ (Senior and Associate Editor)
 Grant peer review: NSF
 Journal peer review: eLife, Cell, Nature, Nature Communications, Nature Reviews Genetics, Science, PLoS Genetics, Genetics, New Phytologist, The Plant Journal, Plant Cell, Molecular Ecology, G3

Current Funding

NSF: "Uncovering the role of transposons in maize variation" \$800,000 of \$4.5M total (Co-PI), 2019-2022
 NSF: "Harnessing convergence and constraint to predict adaptations to abiotic stress for maize and sorghum" \$740,000 of \$5.4M total (Co-PI), 2018-2022
 NSF: "The evolutionary genetics of pollen-pistil incompatibility and reproductive isolation in *Zea mays*" \$320,000 of \$1M total (Co-PI), 2018-2021
 NSF: "The genetics of highland adaptation in maize", \$4.2M (PI), 2016-2021