

# Jeffrey Ross-Ibarra

Department of Evolution and Ecology  
Center for Population Biology  
Genome Center  
University of California Davis

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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