

# Jeffrey Ross-Ibarra

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

Phone: (530) 752-4565  
Email: [rossibarra@ucdavis.edu](mailto:rossibarra@ucdavis.edu)  
Web: [rilab.ucdavis.edu](http://rilab.ucdavis.edu), [@jrossibarra](https://twitter.com/jrossibarra)

## 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  
Chair Professor, College of Plant Sciences, Huazhong Agricultural University 2024  
Paternity leave 2017  
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

NAS Prize in Food and Agriculture, 2024  
Fellow, AAAS, 2020  
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

## Instruction and Advising

Current (total) advisees: 3 (29) postdoc, 7 (13) graduate, 2 (40) undergraduate  
Faculty trainer, Evolution and Ecology Scholars program, 2023-present  
NSF REU (EEREC) faculty advisor, 2022-present  
Plant Biology (UC Davis, PLB200A, graduate), 2018-2022  
Ecological Genomics (UC Davis, ECL 243, graduate), 2014-present  
Genetics (UC Davis, BIS 101, undergraduate), 2013-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 3 years

### *University*

Director, High Performance Computing Core Facility	2024-present
Chair, CBS High Performance Computing Advisory Cmte	2021
Chair and Co-Chair, Ecology & Evolution Seminar Series	2020-2022
EVE representative, Faculty Executive Cmte, College of Biological Sciences	2020-2022
Advisory cmte, controlled environment facility	2020-2024
Executive Cmte, Plant Biology Graduate Group	2019-present
Graduate advisor: Ecology Graduate Group (2018-2021), Plant Biology (2021-present)	
appointment (1), tenure (3), full professor (2)	
Confidential committee for the Office of the Vice Provost — Academic Affairs	2017-2024
Faculty advisor, Corteva graduate student symposium in plant science	2012-2021

### *Professional*

Organizing Committee, Society for Molecular Biology and Evolution Conference	2024
Chair, Genetics Society of America PEQG Conference	2022
Chair, Plant Genomes Online Conference	2022
Board of Directors, Maize Genetics Corporation	2022-present
Maize Genetics Advocacy Cmte,	2022-present
Executive Council, Society of Molecular Biology and Evolution	2022-present
Scientific Advisory Board, FOREVER project	2021-present
Founder and organizer, Zeavolution webinar series	2019-present
Maize Genetics Awards Committee	2017,2019-2020,2022
Editorial Boards: Genes, Genomes, and Genetics Senior (2017-2024) and Associate (2014-2024) Editor, New Phytologist Associate Editor (2021-2022), eLife Reviewing Editor (2021-2024) PeerJ Senior (2018-2019) and Associate (2013-2021) Editor	
Grant peer review: NSF	
Journal peer review: Cell, Nature, Science, Plant Cell, Trends in Genetics (2) , Current Biology , Evolutionary Applications, Molecular Ecology, PNAS (2) , Scientific Reports , Genetics , G3 (many), American J Botany, The Plant Journal, eLife	

### *Contributions to Diversity*

Maize Genetics code of conduct committee	2023-present
Faculty representative, Pop Bio graduate student DEI cmte	2023-present
Chair, Maize Genetics review multi-society DEI initiative	2023
Faculty representative, EEB grad preview workshop	2023
Member, IDEA Cmte, Society for Molecular Biology and Evolution	2022-present

Trainee, EEREC REU program,	2022-2023
Member, pilot program, graduate student mentor training	2021
Spanish translation: Evolution Conf., UC Master Gardeners	2021
Mentor, Graduate Student Mentoring Initiative, Cientifico Latino (2)	2021
Advisor, graduate student of color mentoring program (2)	2020-2021
EVE Diversity cmte (organized 2 workshops)	2020-2021

### Outreach

KQED Documentary "Your Corn Tortilla Sucks... Science Can Fix It"	2024
Eat This podcast "A New Story for Maize Domestication"	2023
San Francisco Exploratorium panel on crop domestication,	2023
Good Food podcast "Maize is life"	2022
Expert interview for National Geographic, KQED, Science&Vie, Folha de S.Paulo, South China Post	

### Current Funding

NSF: "REUSite: Ecology, Evolution, and Equity in Environmental Change (4EC)" \$350,000 (PI) <i>Recommended for Funding</i> 2024-2027
NSF: "DISES: Coevolutionary dynamics of humans and maize in the Americas" \$1.6M (PI), 2023-2026
Gates Foundation: "Study and test approaches for identifying alleles associated with environmental adaptation" \$320,000 (Co-PI), 2022-2026
NSF: "PGRP: Uncovering the role of transposons in maize variation" \$800,000 of (Co-PI), 2019-2024

### Invited Seminars, previous 3 years

Huazhong Agricultural University, Aug. 2024
Shenzhen Agricultural Genomics Institute, Aug. 2024
Yazhouwan National Laboratory, Aug 2024
Sacramento Archeological Society, July 2024
Corteva Agriscience, June 2024
U. Cologne, Mar. 2024
U. Oregon, Feb. 2024
U. Helsinki, Jan. 2024
MexPopGen International Conference (keynote), Oct. 2023
Danforth Center, Aug. 2023
Bayer Crop Science, Aug. 2023
U. Missouri, Aug. 2023
Forest Genetics Conference (keynote), July 2023
Google X, July 2023
Plant and Animal Genome Conference, Jan 2023
Iowa State University, Sep. 2022

Advances in Genome Biology and Technology (keynote), April 2022

IPK Gatersleben, Feb, 2022

UC Davis Plant Biology, Feb. 2022

U. British Columbia, Oct 2021