

Biographical Sketch — Jeffrey Ross-Ibarra

(a) Professional Preparation

Institution	Area	Degree / Training	Dates
University of California Irvine	Genetics	Postdoctoral Research	2008
University of Georgia	Genetics	PhD	2006
University of California Riverside	Botany	BA, MS	1998, 2000

(b) Professional Appointments

Position	Institution	Dates
Professor	University of California Davis	2016-present
Associate Professor	University of California Davis	2012-2016
Assistant Professor	University of California Davis	2009-2012
Profesor de Asignatura	Universidad Nacional Autónoma de México	2001

(c) Products

Most Relevant to the Proposed Research

- **Gates DJ[§]**, Runcie D, Janzen GM, Romero Navarro A, Willcox M, Sonder K, Snodgrass SJ, Rodríguez-Zapata F, Sawers RJH, Rubén Rellín-Álvarez, Buckler ES, Hearne S, Hufford MB, **Ross-Ibarra J[§]** (2020). Single-gene resolution of locally adaptive genetic variation in Mexican maize. doi: 10.1101/706739
- **O'Brien AM[§]**, Sawers RJH, Strauss SY, **Ross-Ibarra J[§]** (2019). Adaptive phenotypic divergence in teosinte differs across biotic contexts. *EVOLUTION* 73: 2230–2246
- **O'Brien A[§]**, Sawers R, **Ross-Ibarra J**, Strauss SY[§] (2018) Evolutionary responses to conditionality in species interactions across environmental gradients. *AMERICAN NATURALIST* 192(6): 715-730.
- Tiffin P, **Ross-Ibarra J** (2014) Advances and limits of using population genetics to understand local adaptation. *TRENDS IN ECOLOGY AND EVOLUTION* 29:673-680
- Pyhäjärvi T, Hufford MB, Mezouk S, **Ross-Ibarra J** (2013) Complex patterns of local adaptation in teosinte. *GENOME BIOLOGY AND EVOLUTION* 5: 1594-1609.

Additional Products

- **Josephs EM[§]**, Berg JJ, **Ross-Ibarra J**, Coop G (2019) Detecting adaptive differentiation in structured populations with genomic data and common gardens. *GENETICS* 211: 989-1004.
- **Lorant A**, **Ross-Ibarra J**, Maud Tenaillon (2018) Genomics of long- and short- term adaptation in maize and teosinte. *In* STATISTICAL POPULATION GENOMICS, Dutheil (Ed.), Springer Nature Publishing *In Press*
- Fang Z, **Pyhäjärvi T**, Weber AL, Dawe RK, Glaubitz JC, Sánchez González J, **Ross-Ibarra C**, Doebley J, Morrell PL[§], **Ross-Ibarra J[§]** (2012) Megabase-scale inversion polymorphism in the wild ancestor of maize. *GENETICS* 191:883-894
- **Hufford MB**, **Bilinski P**, **Pyhäjärvi T**, **Ross-Ibarra J[§]** (2012) Teosinte as a model system for population and ecological genomics. *TRENDS IN GENETICS* 12:606-615
- **Hufford MB[§]**, Gepts P, **Ross-Ibarra J** (2011) Influence of cryptic population structure on observed mating patterns in the wild progenitor of maize (*Zea mays* ssp. *parviglumis*). *MOLECULAR ECOLOGY* 20: 46-55

(d) Synergistic Activities

- Stadler Mid-Career Award in Maize Genetics, 2016

- Senior Editor, G3
- Faculty Development Award in recognition of university service, 2015
- DuPont Young Professor 2012-2014 and faculty advisor DuPont Pioneer graduate student symposium in plant breeding 2012-present
- Presidential Early Career Award for Scientists and Engineers 2009