

# BIOGRAPHICAL SKETCH — JEFFREY ROSS-IBARRA

## (a) Professional Preparation

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

## (b) Professional Appointments

Position	Institution	Dates
Associate Professor	University of California Davis	2012-present
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

- Pyhäjärvi T, Hufford MB, Mezouk S, **Ross-Ibarra J** (2013) Complex patterns of local adaptation in teosinte. *GENOME BIOLOGY AND EVOLUTION In Press: Online Early Access*
- Wills DM, Whipple C, Takuno S, Kursela LE, Shannon LM, **Ross-Ibarra J**, Doebley JF (2013) From many, one: genetic control of prolificacy during maize domestication. *PLOS GENETICS* 9(6): e1003604.
- Hufford MB, Lubinsky P, Pyhäjärvi T, Devengenzo MT, Ellstrand NC, **Ross-Ibarra J** (2013) The genomic signature of crop-wild introgression in maize. *PLOS GENETICS* 9(5): e1003477.
- Hufford MB, Xun X, van Heerwaarden J, Pyhäjärvi T, Chia J-M, Cartwright RA, Elshire RJ, Glaubitz JC, Guill KE, Kaeppler S, Lai J, Morrell PL, Shannon LM, Song C, Springer NM, Swanson-Wagner RA, Tiffin P, Wang J, Zhang G, Doebley J, McMullen MD, Ware D, Buckler ES, Yang S, **Ross-Ibarra J** (2012) Comparative population genomics of maize domestication and improvement. *NATURE GENETICS* 44:808-811
- van Heerwaarden J, Doebley J, Briggs WH, Glaubitz JC, Goodman MM, Sánchez González JJ, **Ross-Ibarra J** (2011) Genetic signals of origin, spread and introgression in a large sample of maize landraces. *PNAS* 108: 1088-1092

### Additional Products

- Gerke JP, Edwards JW, Guill KE, **Ross-Ibarra J**, McMullen MD. The genomic impacts of drift and selection for hybrid performance in maize. *In Review*
- Morrell PL, Buckler ES, **Ross-Ibarra J** (2012) Crop genomics: advances and applications. *NATURE REVIEWS GENETICS* 13:85-96
- Cook JP, McMullen MD, Holland JB, Tian F, Bradbury P, **Ross-Ibarra J**, Buckler ES, Flint-Garcia SA (2012) Genetic architecture of maize kernel composition in the Nested Association Mapping and Inbred Association panels. *PLANT PHYSIOLOGY* 158: 824-834

- van Heerwaarden J, Hufford MB, **Ross-Ibarra J** (2012) Historical genomics of North American maize. PNAS 109: 12420-12425
- **Ross-Ibarra J**, Tenaillon M, Gaut BS (2009) Historical divergence and gene flow in the genus Zea. GENETICS 181: 1399-1413.

## (d) Synergistic Activities

- DuPont Young Professor, 2012-2014
- Faculty advisor, Pioneer Hi-Bred graduate student symposium in plant breeding, 2012-2013
- Scientific Advisory Board, AMAIZING Project ( 30 million to INRA), 2011-present
- Functional Genetics of Maize Centromeres US-Mexico exchange program, 2011-present
- Presidential Early Career Award for Scientists and Engineers 2009
- Recent peer review:
  - Journals: Nature, Current Biology, Genetics (4), Scientific Reports, PNAS (3), Genome Research, Peerage of Science, PLoS ONE, PLoS Biology, PLoS Genetics, Economic Botany, The Plant Journal, Nature Genetics, Evolution, Theoretical & Applied Genetics, Plant Physiology
  - Grants: NSF BREAD, BARD, USDA-NIFA, USDA-DOE, UC MEXUS, NWO

## (e) Coauthors, Advisers and Affiliations

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