

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

Institution	Position	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*
- Hufford MB, Lubinsky P, Pyhäjärvi T, Devenganzo MT, Ellstrand NC, **Ross-Ibarra J** (2013) The genomic signature of crop-wild introgression in maize. *PLOS GENETICS* 9(5): e1003477.
- 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
- 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
- **Ross-Ibarra J**, Tenaillon M, Gaut BS (2009) Historical divergence and gene flow in the genus *Zea*. *GENETICS* 181: 1399-1413.

Additional Products

- 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, Spinger 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
- **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

- **van Heerwaarden J**, van Eeuwijk FA, **Ross-Ibarra J** (2010) Genetic diversity in a crop metapopulation. *HEREDITY* 104: 28-39
- **van Heerwaarden J**, **Ross-Ibarra J**[§], Doebley J, Glaubitz JC, Sánchez González J, Gaut BS, Eguiarte LE (2010) Fine scale genetic structure in the wild ancestor of maize (*Zea mays* ssp. *parviglumis*). *MOLECULAR ECOLOGY* 19: 1162-1173

(d) Synergistic Activities

- DuPont Young Professor, 2012-2014
- Faculty advisor, Pioneer Hi-Bred graduate student symposium in plant breeding, 2012-2013
- Functional Genetics of Maize Centromeres US-Mexico exchange program, 2011-present
- Presidential Early Career Award for Scientists and Engineers 2009
- Recent peer review:
 - Journal peer review (last 12 months): *Nature* (2), *Nature Genetics* (2), *PNAS*, *Current Biology*, *PLoS Genetics* (2), *MBE* (2), *American Naturalist*, *Molecular Ecology*, *BMC Genomics*, *Peerage of Science*
 - Grants: NSF BREAD, BARD, USDA-NIFA, USDA-DOE, UC MEXUS, NWO

(e) Collaborators & Other Affiliations

- Please see supplemental document “Collaborators & Other Affiliations.pdf”