

JOSHUA R. MCDILL

Plant Biology Graduate Program
Section of Integrative Biology
The University of Texas at Austin
1 University Station A6720
Austin, TX 78712

EDUCATION

- i.p. The University of Texas at Austin: Ph. D. in Plant Biology
Advisor: Dr. Beryl Simpson, Co-Advisor: Dr. C. R. Linder
Dissertation topic: Phylogeny, Biogeography, and the Evolution of Breeding Systems in *Linum* ("flax," Linaceae).
- 2001 San Francisco State University: M.A. in Ecology and Systematic Biology
Advisor: Dr. Robert Patterson
Thesis topic: Comparative leaf and stem anatomy in *Linanthus* and *Leptosiphon*, two Californian genera of Polemoniaceae.
- 1998 San Francisco State University: B.S. in Biology, concentration in Botany

AWARDS, FELLOWSHIPS, AND FUNDING

- 2006-2007 University Continuing Fellowship, The University of Texas at Austin
2005-2007 National Science Foundation Dissertation Improvement Grant: \$11,370
2005 Plant Biology Graduate Program Research Award: \$1000
2005 Plant Biology Graduate Program Travel Award: \$1000
2004 Linda Escobar Memorial Travel Award for Tropical Botany: \$1000
2004 Plant Biology Graduate Program Travel Award: \$800
2001 University Pre-Emptive Fellowship, The University of Texas at Austin
2001 College of Natural Sciences Dean's Excellence Award, U.T. Austin
2000 American Society of Plant Taxonomists Graduate Student Research Award
1999 San Francisco State University Student Project Funds Award: \$800

TEACHING EXPERIENCE

- 2009 Teaching Assistant, BIO 324: Survey of the Plant Kingdom (lab supervisor).
2007-2008 Teaching Assistant, BIO 437: Plant Systematics and the Texas Flora (field trip leader).
2002-2003 Teaching Assistant, School of Biological Sciences, U.T. Austin
Courses: Plant Anatomy with Histology Techniques (lab supervisor), Structure and Function of Organisms (discussion leader), Structure, Physiology, and Reproduction of Seed Plants (lab supervisor).
1998-2001 Graduate Teaching Assistant, Dept. of Biology, S.F.S.U.
Courses: Electron Microscopy (lab supervisor), The World of Plants (lab instructor), Field Ecology (lab and field trip supervisor), Plant Taxonomy

(plant collection and identification).

OTHER EMPLOYMENT

- 2004-2006 Research Assistant and Lab Manager for Dr. Beryl Simpson, U.T. Austin
1995-1997 Assistant to the lab manager, Conservation Genetics Laboratory, San Francisco State University.
1995-1997 Student Curatorial Assistant, Harry D. Thiers Herbarium, San Francisco State University.

ACTIVITIES AND SERVICE

- 2006 Contributing to the Jepson Manual, The Vascular Plants of California, 2nd Edition: family treatment for the Linaceae; generic treatments for *Linum*, *Hesperolinon*, *Sclerolinon*.
2006 Manuscript Reviewer for Madroño
1999 Presentation Judge, California Botanical Society Graduate Student Meetings.

MEMBERSHIPS

American Society of Plant Taxonomists
Botanical Society of America

CONFERENCE PRESENTATIONS

- McDill, Joshua; Reppinger, Miriam; Simpson, Beryl; Kadereit, Joachim W. Molecular Phylogenies of *Linum* and the Linaceae, with implications for their classification, biogeographic history, and evolution of heterostyly. Oral presentation, Botany 2008, Vancouver, British Columbia, Canada.
- McDill, J.R. and B.B. Simpson. Evolutionary Relationships and Biogeography in *Linum* (Linaceae). Poster presentation, Botany 2005, Austin, TX, U.S.A.
- McDill, J.R., M. Reppinger, J. Kadereit, and B.B. Simpson. July 2005. Phylogeny of the Flaxes: Evolutionary Relationships in the Linaceae and *Linum*. Invited symposium presentation, International Botanical Congress, Vienna, Austria. July 2005.
- McDill, J.R. and B.B. Simpson. The phylogeny *Linum* and the Linaceae. Oral presentation, Botany 2004, Snowbird, UT, U.S.A.
- McDill, J.R., B.B. Simpson, and C.R. Linder. Molecular Phylogenies of the Linaceae: a comparison of Bayesian and Maximum Parsimony Inferences. Poster presentation, Evolution 2003, Chico, CA, U.S.A.
- McDill, J.R., R. Patterson, and J.M. Porter. Evolutionary Trends in the Leaf and Stem Anatomy of *Linanthus* and Related Genera (Polemoniaceae). Oral presentation, Botany 2001, Albuquerque, NM, U.S.A.

PUBLICATIONS

McDill, J.R., M. Reppinger, B. B. Simpson, and J. W. Kadereit. 2009. The Phylogeny of *Linum* and Linaceae subfamily Linoideae, with Implications for Their Systematics, Biogeography, and Evolution of Heterostyly. *Systematic Botany*, in press.

Tate, J. A. , M. C. Acosta, J. McDill, E. A. Moscone, B. B. Simpson, and A. A. Cocucci. 2009. Phylogeny and Character Evolution in *Nieremberbia* (Solanaceae): Molecular, Morphological, and Cytogenetic evidence. *Systematic Botany* 34: 198-206.

Simpson, B., L. Larkin, A. Weeks, and J. McDill. 2006. Phylogeny and Biogeography of *Pomaria* (Caesalpinioideae: Leguminosae). *Systematic Botany* 31(4): 792-804.

Simpson, B. B., M. T. K. Arroyo, S. Sipe, M. Dias de Moraes, and J. McDill. (Submitted) Phylogeny and Evolution of *Perezia* (Asteraceae: Mutisieae: Nassauviinae). *Journal of Systematics and Evolution*.