

Elisabeth Jane Forrestel

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EDUCATION

2009-present **Yale University** – PhD, Ecology and Evolutionary Biology
Advisors: Dr. Michael J. Donoghue and Dr. Melinda D. Smith
1999-2004 **Cornell University** - BSc Biology, graduated *cum laude*

RESEARCH EXPERIENCE

2007- 2009 **Ackerly Lab, UC Berkeley** – Staff Research Associate *Berkeley, CA*
2008 **ARS/USDA** – Biological Lab Technician *Albany, CA*
2002-2003 **Baker Institute for Animal Health, Cornell University** *Ithaca, NY*
Advisor: Dr. Douglas Antczak

TEACHING EXPERIENCE

Cornell University

Introductory Biology- BIOG 1105 – Spring 2004

Yale University

Introduction to Ecology, Evolution and Behavior- EEB 122- Spring 2010

General Ecology – EEB 220 – Fall 2010

Plant Diversity – EEB246/EEB247 – Spring 2011

HONORS & AWARDS

2011 SSE Rosemary Grant Graduate Student Research Award, \$2,000
2011 APS Lewis and Clark Research Fellow, \$5,000
2011 NSF Graduate Research Fellowship honorable mention
2011 Yale Institute for Biospheric Studies ECOSAVE Grant, \$5,000
2010 Yale Institute for Biospheric Studies Field Ecology Grant, \$1,500
2009 Sterling Fellowship, Yale University, \$5,000
1999-2004 Cornell Presidential Research Scholar, \$10,000

SERVICE

2010-2012 Planting Science Mentor to high school science classes
2008-2009 Adopt a Vernal Pool Volunteer, Laguna Foundation, Sebastapool, CA
2002-2003 Cornell Presidential Research Scholars Student Advisor
1999-2000 Member in Society for Women Engineers

INVITED WORKING GROUPS

- 2011 NCEAS – *Member* Working Group on “Linking phylogenetic history, plant traits, and ecological processes at multiple scales”
- 2011-2013 NESCent – *Member* Working Group on “Origins of C4 grasslands: a new synthesis of phylogeny, ecology, and paleobiology”

REVIEWED FOR:

Ecology
Ecology Letters
New Phytologist
Ecography

Oecologia
Journal of Biogeography
Oikos

PUBLICATIONS

- Forrestel, E.J.**, Ackerly, D.D., and Emery, N.C. The joint evolution of traits and habitat: leaf morphology and wetland habitat specialization in *Lasthenia*. *Submitted to Evolution*.
- Emery, N.C., **Forrestel, E.J.**, et al. 2012. Niche evolution across spatial scales: climate and habitat specialization in California *Lasthenia* (Asteraceae) . *Ecology*.
- Sargent, R., Kembel, S.W., Emery, N.C., **Forrestel, E.J.**, and Ackerly, D.D. 2011. Effect of local community phylogenetic structure on pollen limitation in an obligately insect-pollinated plant. *Am. J. Bot.* 98(2):283-289.
- Emery, N.C., L.T. Martinez, **E.J. Forrestel**, B.G. Baldwin and D.D. Ackerly. 2011. “The ecology, evolution and diversification of the vernal pool niche in *Lasthenia* (Madieae, Asteraceae).” Pp. 39-58 in D. G. Alexander and R. A. Schlising, editors. *Research and Recovery in Vernal Pool Landscapes. Studies from the Herbarium, Vol. 16*, Chico State University: Chico, CA.

PRESENTATIONS

- Forrestel, E.J., Donoghue, M.J. and Smith, M.D. 2012. Phylogenetic and functional responses to disturbance in mesic grasslands: a cross-continental comparison. *Ecological Society of America*. Aug 5-10. Portland, Oregon.
- Forrestel, E.J. 2012. Research Collaboration. Invited seminar, Research Skills Seminar, Grassland Society of Southern Africa. March, 2012. Middelburg, SA.
- Forrestel, E.J. 2011. The role of evolutionary and biogeographic history in structuring grassland communities: a cross-continental comparison. Invited seminar, June 22, 2011. The Land Institute, Salina, Kansas.
- Forrestel, E.J., Emery, N.C., and Ackerly, D.D. 2010. Niche evolution and functional trait convergence in vernal pool endemics of the genus *Lasthenia*. Botany. July 31-August 4. Providence, Rhode Island.
- Forrestel, E.J. 2009. Functional trait and niche evolution in the vernal pool plant genus *Lasthenia*. Ecology Lunch invited seminar. November 18, 2009. UC Berkely, California.