

STEPHANIE A. STUART
Department of Integrative Biology
University of California, Berkeley

3060 Valley Life Science Building #3140
Berkeley, CA 94720-3140

831 241 4076
sastuart@berkeley.edu



EDUCATION

University of California, Berkeley, CA PhD Student Thesis: Patterns of Evolution: Colonization of Temperate Climates in Flowering Plants	2005-Present
Harvard College, Cambridge, MA AB with Honors in Biology Harvard College Scholarship for Academic Achievement Honors Thesis: What Sets the Latitudinal Limit of the Mangrove Habit? Coursework: evolutionary biology, plant physiology and paleobotany, molecular and cellular biology, computer science, calculus, chemistry, physics and studio art (photography, drawing and animation.)	2003
Robert Louis Stevenson School, Pebble Beach, CA High Honors Cum Laude Society two years Awards: Publications, Golden Rule Leadership, Robertson Scholar for Scholarship and Community Leadership.	1998

GRANTS AND AWARDS

NSF GRFP Honorable Mention for fellowship proposal	2005
DeLand Fellowship for the Study of Woody Plants Arnold Arboretum of Harvard University, \$2830	2003
Jonathan Fay Prize Most outstanding Hoopes Prize, \$3000, one of three in school	2003
Thomas T. Hoopes Prize Outstanding research or scholarly work by an undergraduate, \$2500	2003
Summa cum Laude For senior honors thesis, What Sets the Latitudinal Limit of the Mangrove Habit?	2003
Harvard College Research Program Jointly with sponsor, Prof. N. Michele Holbrook, two awards, \$1500 each	2002-2003
Radcliffe Traveling Fellowship \$2000	2002

TEACHING EXPERIENCE

University of California, Berkeley Graduate Student Instructor – “Biology 1B” Led laboratory component, developed quizzes and laboratory activities.	2006
Summer Graduate Student Instructor – “Medical Ethnobotany” Led field trips, developed laboratory activities, exams, and components of course content.	2006
Graduate Student Instructor – “Medical Ethnobotany” Led field trips, developed course content including laboratory activities, exams and assignments.	2005

RESEARCH EXPERIENCE

University of California Museum of Paleontology Graduate Student Researcher Curation of plant fossil collection and research on a fossil water fern. PI: Diane Erwin	2006
Arnold Arboretum of Harvard University Laboratory Technician Worked independently and as part of a lab group to infer plant phylogenies from phytochrome gene sequences. PI: Sarah Mathews	2004-2005
Ecosystem Dynamics Group, Australian National University, Canberra Australia Research Consultant Worked independently and with collaborators to develop projects investigating the ecophysiology of mangrove trees. PI: Marilyn Ball	2001-2002
Organismic and Evolutionary Biology Dept., Harvard University, Cambridge MA Laboratory Research Assistant Research support for study of root waving in <i>Arabidopsis thaliana</i> , continued work on <i>Nolana molis</i> . Supervisor: Matthew Thompson, PI: N. Michele Holbrook	1999-2001
Parque Nacional Pan de Azucar, Atacama Desert, Chile Field Research Assistant Assisted with a physiological study of a salt-secreting shrub, <i>Nolana molis</i> . Supervisor: Matthew Thompson, PI: N. Michele Holbrook	2000
Harvard University Herbaria, Harvard University, Cambridge, MA Research Assistant Data analysis programming and data entry and for analysis of forest ecology data Supervisor: Matthew Potts	1998

PUBLICATIONS AND CONFERENCE PRESENTATIONS

The role of freezing in setting the latitudinal limits of mangrove forests. SA Stuart, B Choat, KC Martin, NM Holbrook and MC Ball. <i>New Phytologist</i> in press.	2006
A fossil <i>Azolla</i> from the Eocene Wind River Formation, Wyoming. SA Stuart, DM Erwin. Paper presented to Botanical Society of America, Chico, CA	2006
What sets the latitudinal limit of mangrove forests? SA Stuart, B Choat, NM Holbrook, MC Ball. Paper presented to Ecological Society of America, Montreal, Canada.	2005
The Lost Game, pp 125-131 in <i>50 Successful Harvard Application Essays</i> . Staff of the Harvard Crimson, eds. St. Martin's Griffin, NY.	1999

SEMINARS

Phylogeny of modern and fossil <i>Azolla</i> : a total evidence approach University and Jepson Herbaria Seminar Series, University of California, Berkeley	2006
A new fossil <i>Azolla</i> from the Wind River Formation, WY University of California Museum of Paleontology Seminar Series	2006
What sets the limits of mangrove vegetation? University and Jepson Herbaria Seminar Series, University of California, Berkeley	2005

LANGUAGES

- English – native language
 - Spanish – speak fluently, read and write with high proficiency
-

MEMBERSHIPS

- Botanical Society of America
 - Ecological Society of America
-

SKILLS

- Microscopy – CryoSEM, SEM, and light microscopy
 - Molecular Techniques – PCR amplification, gene cloning, DNA sequencing and alignment
 - Computer Programming – languages: C, C++, Lisp and Java; statistical: JMP and R
-

PROFESSIONAL SERVICE

Paleobotany Undergrad Group

Organized and led student researchers in curating a collection a major fossil collection received after the death of J. Wolf. 2006

Peer Referee

New Phytologist

Co-Leader

Flora of the Northern Sierra Nevada: Past and Present August 3rd - 6th, 2006, Field Trip for Botanical Society of America Meeting. 2006

Acknowledged for Research Assistance

Mathews, S. The positions of Ceratophyllum and Chloranthaceae inferred from phytochrome data. Paper presented to Botanical Society of America, Chico, CA 2006

Thompson, MV, Palma, B, Knowles, JT, Holbrook NM . 2003. Clima multianual en el Parque Nacional Pan de Azúcar, Desierto de Atacama, Chile. Revista Chilena de Historia Natural, 76(2):235-254. 2003