

**Susan Lorraine Tremblay**  
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## **Education**

University of California, Berkeley, Department of Integrative Biology, Ph.D. 2016

Dissertation: Trait evolution in liverworts, with a focus on oil bodies and Paleozoic fossil taxa

Graduate Advisors: Dr. Brent Mishler and Dr. Cynthia Looy

Santa Rosa Junior College and Sonoma State University 2003-2007

School of Visual Arts, New York, BFA, Media Arts/Animation, 1983

## **Teaching Experience**

2017 and 2018 Summer Sessions: Lecturer, Bio1B General Biology Lab, UC Berkeley Department of Integrative Biology

2017 Spring: Adjunct Professor, BIOSC-102 General Biology with Lab, Diablo Valley College, San Ramon Campus

2007-2015: Graduate Student Instructor positions in lab courses and discussion sections in Integrative Biology (IB) and Plant and Microbial Biology (PMB), UC Berkeley:  
IB Biology 1B (General Biology)

IB 181 Paleobotany: The 500-million year history of a greening planet

IB 169 Evolutionary Medicine

IB 160 Evolution

PMB C102 Diversity of Plants and Fungi

## **Research Appointments**

University of California Museum of Paleontology

2018, 2016 Summers: EPICC (Eastern Pacific Invertebrate Communities of the Cenozoic) Collaborative NSF grant to map fossil invertebrate communities of the eastern Pacific. Transcribed field notebooks, georeferenced localities, assisted with fossil curation and incorporation of data from research papers into modern databases.

2013 Spring/Summer: Graduate Student Researcher. Identified and curated invertebrate and plant fossils from the CalTrans excavation of Caldecott Tunnel.

UC Berkeley Department of Integrative Biology Graduate Student Researcher

2011 Spring: Looy Lab. Digital imaging and morphometric analysis of Permian conifer cuticles.

UCB Graduate School of Education Graduate Student Researcher

2009 Spring/Summer: Developing Conceptual Underpinnings of Evolution. Experimental Curriculum for 2nd and 3rd grade students. Contributed plant evolution examples and served as science consultant. Responsible for sound and video recording of the classroom trial at Sequoia Elementary, Oakland.

2008 Summer: University of California Jepson Herbarium Curatorial Assistant

## Awards and Grants

UC Museum of Paleontology Research Award  
Sigma Xi Research Award  
UC Museum of Paleontology Fellowship  
Evolving Earth Foundation Research Award  
New Phytologist Student Travel Award (Bristol, UK)  
Resetko Family Scholarship  
Department of Integrative Biology Research Award

## Publications

Glenny, D., Bulman, S. and S. Tremblay. 2015. Reassessment of *Treubia* species (Marchantiophyta: Treubiaceae) in New Zealand. *Nova Hedwegia* 100 (3-4): 355-372  
Tremblay, S. 2015. Book review: East African Liverworts and Hornworts. *The Bryologist* 118(1): 118-119  
Labandeira, C. C., Tremblay, S. L., Bartowski, K. E. and L. Van Aller Hernick. 2013. Middle Devonian liverwort herbivory and antiherbivore defence. *New Phytologist* 202: 247-258.  
Hanlon M.R., Mock S., Nuthulapati P., Gonzales M.B., Soltis P., D. Soltis, Majure L.C., Payton A., Mishler B., Tremblay S., Madsen T., Olmstead R., McCourt R., Wojciechowski M. and N. Merchant . 2010. My-Plant.org: A phylogenetically structured social network. Gateway Computing Environments Workshop (GCE) DOI: 10.1109/GCE.2010.5676118  
Manuscripts in preparation Tremblay, S., The complex structure of Middle Devonian liverwort *Metzgeriothallus sharonae*, the dominant species in a newly discovered lagerstatte  
Tremblay, S. and J. Chen. Evidence of liverwort (Marchantiophyta) oil bodies in Paleozoic fossil taxa.

## Meeting abstracts

Tremblay, Susan L. 2015. The Cairo Quarry Liverwort Lagerstatte: a freshwater Devonian ecosystem. 32nd Midcontinent Paleobotanical Colloquium, Humboldt State University, Arcata, CA  
Tremblay, Susan L. 2013. Liverwort character evolution: incorporating the fossil record. California Botanical Society Graduate Student Meeting, UC Berkeley  
Tremblay, Susan L. 2010. Evidence of oil bodies in Paleozoic liverwort fossils (poster). 25th New Phytologist Symposium: Colonization of the Terrestrial Environment, Bristol, UK  
Tremblay, Susan L. 2009. Evolution and Function of Oil Bodies. Botany 2009, Snowbird, UT

## Guest lectures and seminars

"Liverworts: the 'Other' Land Plants" Botany Lunch seminar series, UC Berkeley, March 2018; also presented at the UC Botanical Garden, November 2018  
"400 million years of liverwort evolution: new insights from the Paleozoic" Botany Lunch seminar series, UC Berkeley, May 2016  
"The Cairo Quarry Liverwort Layer: a freshwater ecosystem dominated by non-vascular plants" Fossil Coffee seminar series, UC Museum of Paleontology, November 2014

"A frozen ecosystem: the Early Devonian Rhynie Chert" Guest lecture, Paleobotany: The 500-million year history of a greening planet, UC Berkeley, October 2014  
"Liverworts of New Zealand." Botany Lunch seminar series, UC Berkeley, March 2013  
"Liverwort character evolution: fossil evidence from the Paleozoic." Allan Herbarium, Lincoln, New Zealand, November, 2012. Also presented at the 27th John Child Bryophyte and Lichen Workshop, Stewart Island, New Zealand, November, 2012  
"Liverworts and their fossil record." Fossil Coffee seminar series, UC Museum of Paleontology, November 2011

### **Workshops**

Workshop Facilitator and Instructor, "Mosses, Liverworts and Hornworts of California." UC Jepson Workshop, University of California, Berkeley, March 2010  
Workshop Leader training new docent classes in identification, life cycles and ecology of spore-bearing plants, Bouverie Preserve, Audubon Canyon Ranch, 2006 & 2008

### **Volunteer Science Outreach**

Bouverie Preserve of Audubon Canyon Ranch, Glen Ellen, CA  
2004-2007: Directed renovation of native plant garden, collecting seeds on the preserve, and establishing over 30 species of perennials and self-seeding annuals. This successful garden has been incorporated into native plant classes for the public and docent training classes.  
2003-2005: Assisted with survey of invertebrates on the preserve and implementation of invertebrate predation experiments on native plants.  
2000-2003: Docent Hike Leader for school groups (3rd and 4th grade) and members of public. Focus on plant communities, ecology and conservation. Led 3-hr ecology classes in schools throughout Sonoma County.

Robert Ferguson Observatory, Sugarloaf State Park, Kenwood, CA  
1997-2000: Helped to construct buildings and design promotional materials, and participated in development of educational programs. Operated telescopes and CCD camera during public viewing nights and private events.