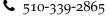
# Lisa M. Rosenthal

#### PhD candidate

4240 55th st. Sacramento, CA 95820



#### **Education**

University of California, Davis, PhD candidate

Sep 2016-current

- NSF Graduate Fellow
- Graduate Group in Ecology, Department of Plant Pathology
- Advisor: Dave Rizzo
- Dissertation focuses on identifying diversity-associated mechanisms of disease risk

University of California, Berkeley, B.S. Molecular Environmental Biology

2009-2013

- High Distinction and Honors
- Honors advisor: Tom Bruns

#### **Publications**

Rosenthal LM, Fajardo SN, Rizzo DM. In press. "Sporulation potential of Phytophthora ramorum differs among common California plant species". Plant Disease.

Petit E, Silver C, Cornille A, Gladieux P, Rosenthal L, Bruns E, Yee S, Antonovics J, Giraud T, Hood M. 2017. Co-occurrence and hybridization of anther-smut pathogens specialized on Dianthus hosts. *Molecular Ecology* 26:1877–1890.

Rosenthal LM, Branco S, Chung JA, Glassman SI, Liao HL, Peay KG, Smith DP, Talbot JM, Taylor JW, Vellinga EC, Vilgalys R, Bruns TD. 2017. Survey of corticioid fungi in North American pinaceous forests reveals hyperdiversity, underpopulated sequence databases, and species that are potentially ectomycorrhizal. *Mycologia* 109:115–127.

Feurtey A, Gladieux P, Snirc A, Hood M, Cornille A, Rosenthal L, Giraud, T. 2016. Strong phylogeographic costructure between the anther fungus and its white campion host. New Phytologist 212:668-679.

Waring BG, Gei MG, Rosenthal LM, Powers JS. 2016. Plant-mycorrhizal interactions along a gradient of soil fertility in tropical dry forest. Journal of tropical ecology 32:314-323.

# Grants, Fellowships, & Awards

Graduate Research Fellowship, \$136,000, National Science Foundation	2016, 2019, 2020
Graduate Group in Ecology Fellowship, \$46,800, UC Davis	2017, 2018
Graduate Student Scholarship, \$1,000, Northern California Botanists	2018
Miller Plant Science Award, \$2,000, UC Davis	2018
Jastro Graduate Research Award, \$1,400, UC Davis	2017
Molecular Environmental Biology Major Citation Award, \$200, UC Berkeley	2014
Research Experience for Undergraduates Award, \$5,000, National Science Foundation	on 2013

## **Presentations and Posters**

**Rosenthal LM**, Rizzo DM. 2020. "Host density and competency jointly determine the diversity-disease relationship". *Ecological Society of America*. Oral abstract accepted, declined due to experiment postponement from Covid-19.

**Rosenthal LM**, Fajardo SN, Rizzo DM. 2020. "Sporulation potential of *Phytophthora ramorum* differs among common California plant species". *UC Davis Ecology Graduate Symposium*. Poster.

**Rosenthal LM**, Fajardo SN, Rizzo DM. 2019. "Sporulation potential of *Phytophthora ramorum* differs among common California plant species". *CA Forest Pest Council Meeting*. Poster.

# **Teaching and Mentoring Experience**

#### UC DAVIS TEACHING ASSISTANT

Crisis in the Environment, SAS 9
Introductory Mycology, PLP 148

Spring 2019 Fall 2017

#### K-12 Education

Girls Outdoor and Leadership mentor, UC Davis
Teaching specialist, Lawrence Hall of Science, Berkeley, CA

2018–current Sep 2011–May 2012

## Workshops and Seminars

Data Manipulation in R, UC DavisFeb 2020Analysis Using Bayesian Poisson GLMMs, UC DavisFeb 2020R Carpentries in Ecology instructor, UC DavisDec 2019Community Disease Ecology seminar co-lead, UC DavisApr-Jun 2018Section leader for NSF GRFP grant writing applicants, UC DavisFall 2016Mushroom Identification Workshop instructor, Hitchcock Env. Center, Amherst, MASep 2015

### Service and Outreach

Ecology Graduate Student Symposium keynote speaker liason, UC Davis	2020
Intercampus shuttle advocate leader, UC Davis	Fall 2019
Graduate Group in Ecology Awards committee member, UC Davis	2019
Girls Outdoor and Leadership curriculum member, UC Davis	2018, 2019
Eco/evo seminar committee member, UC Davis	2017–2019

# **Past Research Appointments**

Laboratory research assistant, Amherst College Amherst, MA

Mar 2015-May 2016

- Supervisor: Prof. Michael Hood
- Assisted projects addressing the evolutionary ecology of the anther smut fungal pathogen system using molecular, culture-based, greenhouse and field approaches

Field research assistant, Estación Horizontes Liberia, Costa Rica Jun-Oct 2014

- Supervisor: Prof. Jennifer Powers, University of Minnesota
- Supported field projects involving forest restoration, ecophysiology, decomposition, soil respiration and precipitation effects on plants

*Honors student*, University of California, Berkeley Berkeley, CA

Jun 2012-May 2013 & Jan-May 2014

- Supervisor: Prof. Tom Bruns
- Investigated distribution and diversity of corticioid fungi on continental scale and published results

REU Fellow, Mountain Lake Biological Station Pembroke, VA

May-Aug 2013

- Supervisor: Prof. Henry Wilbur, University of Virginia
- Studied population dynamics of diseased American chestnut stands with different logging treatments

#### Technical skills

R, Stan, Github, ArcGIS, QGIS

Multi-level statistical analyses in Bayesian framework

Culture-based methods, microscopy, enzyme assays, molecular barcoding

Taxonomic expertise in California trees and shrubs, California mushrooms, diagnosis of common forest pathogens

Wilderness First Responder and CPR certified