

MARINA LAFORGIA

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CURRENT APPOINTMENT

Postdoctoral Researcher	2021 – ongoing
Department of Ecology and Evolution, University of California Davis	
Department of Biology, University of Oregon	
<i>Advisors: Dr. Jennifer Gremer & Dr. Lauren Hallett</i>	

EDUCATION

PhD Ecology	2019
University of California, Davis	
<i>Advisors: Dr. Andrew Latimer & Dr. Susan Harrison</i>	
BA International Studies – Economics	2010
University of California, San Diego	
<i>summa cum laude</i>	

FELLOWSHIPS, GRANTS & AWARDS

USDA NIFA AFRI Postdoctoral Fellowship	2020
NSF Postdoctoral Research Fellowship in Biology (<i>Declined</i>)	2020
Stable Isotope Facility Pilot Project Grant, UC Davis	2019
Center for Population Biology Research Award, UC Davis	2018
Hardman Foundation Award, UC Davis	2018
Center for Population Biology Collaborative Seed Grant, UC Davis	2017
Davis Botanical Society Student Research Grant	2017
Northern California Botanist Travel Scholarship	2016
National Science Foundation Graduate Research Fellowship	2015
The Nature Conservancy Oren Pollak Grasslands Research Grant	2015
Natural Reserve System Grant, UC Davis	2015
Graduate Student Association Travel Award, UC Davis	2015
Henry A. Jastro Research Grant, UC Davis	2014, 2015
Department of Plant Sciences Graduate Fellowship (8 quarters), UC Davis	2013
Graduate Group in Ecology Fellowship (4 quarters), UC Davis	2013

PUBLICATIONS

LaForgia, M., S. Harrison, A. Latimer. 2020. Invasive species interact with climatic variability to reduce success of natives. *Ecology*. doi:10.1002/ecy.3022

Miller, J., D. Li, **M. LaForgia**, S. Harrison. 2019. Functional diversity is a passenger but not driver of drought-related plant diversity losses in annual grasslands. *Journal of Ecology*. doi:10.1111/1365-2745.13244

Harrison, S. & **M. LaForgia**. 2019. Seedling traits predict drought mortality in native grassland annuals. *Proceedings of the National Academy of Science*. doi:10.1073/pnas.1818543116

- LaForgia, M.**, M. Spasojevic, E. Case, A. Latimer, S. Harrison. 2018. Seed banks of native forbs, but not exotic grasses, increase during extreme drought. *Ecology*. doi:10.1002/ecy.2160
- Harrison, S., **M. LaForgia**, A. Latimer. 2017. Climate-driven diversity change in annual grasslands: drought plus deluge does not equal normal. *Global Change Biology*: 00:1–10. doi:10.1111/gcb.14018
- McFarland, E., **M. LaForgia**, M. Yepsen, D. Whigham, A. Baldwin, M. Lang. 2016. Plant biomass and nutrients (C, N and P) in natural, restored and prior converted depressional wetlands in the Mid-Atlantic Coastal Plain, U.S. *Folia Geobotanica*: 1-17. doi:10.1007/s12224-016-9239-y
- Cook-Patton, S., **M. LaForgia** & J. D. Parker. 2014. Positive feedback between enemies and plant diversity shape forest regeneration. *Proceedings of the Royal Society B: Biological Sciences* 281. doi:10.1098/rspb.2014.0261
- Yepsen, M., A. Baldwin, D. Whigham, E. McFarland, **M. LaForgia**, M. Lang M. 2014. Agricultural wetland restorations achieve diverse native wetland plant communities but differ from natural wetlands. *Agriculture, Ecosystems & Environment* 197:11-20. doi:10.1016/j.agee.2014.07.007
- In preparation**
- LaForgia, M.** Impacts of invasive annual grasses and their litter vary by native functional strategy. *Biological Invasions*. (in review)
- LaForgia, M.**, H. Kang, C. Ettinger. Competitive outcomes between native and invasive plants are linked to shifts in the bacterial rhizosphere microbiome. (in prep)
- LaForgia, M.**, J. Gremer, L. Venable. “Plant regeneration by seeds in hot deserts.” *Plant regeneration from seeds: a global warming perspective*, edited by C. Baskin and J. Baskin. Elsevier. (Expected publication Fall 2021)

SELECTED PRESENTATIONS

- LaForgia.** 2020. Invasive grasses selectively harm fast-growing natives through litter. Talk. Ecological Society of America.
- LaForgia.** 2018. The indirect effects of exotic annual grasses on native annual forbs varies by drought strategy. Talk. Ecological Society of America.
- LaForgia.** 2017. The indirect effect of exotic grasses on stress avoiding and stress tolerant native forbs. Talk. Davis Botanical Society.
- LaForgia, Latimer, & Harrison.** 2017. The indirect effect of exotic grasses on stress avoiding and stress tolerant native forbs. Poster. Ecological Society of America.
- LaForgia, Case, Spasojevic, Latimer, & Harrison.** 2017. The response of soil seed banks to drought in California annual grasslands. Talk. Northern California Botanists Symposium.
- LaForgia, Latimer, & Harrison.** 2016. The indirect effect of exotic grasses on stress avoiding and stress tolerant native forbs. Poster. California Invasive Plant Council Symposium.

LaForgia, Case, Spasojevic, Latimer, & Harrison. 2016. What lies beneath: how seed banks respond to drought. Poster. Natural Areas Conference.

RESEARCH EXPERIENCE

Postdoctoral Researcher	2020 – 2021
Department of Environmental Science and Policy University of California Davis <i>Advisor: Dr. Susan Harrison</i>	
Graduate Student Researcher	2013 – 2019
Department of Plant Sciences University of California Davis <i>Advisors: Dr. Andrew Latimer & Dr. Susan Harrison</i>	
Research Technician	2012 – 2013
College of Natural Resources Utah State University <i>Advisor: Dr. Peter Adler</i>	
Research Intern	2011 – 2012
Smithsonian Environmental Research Center <i>Advisors: Dr. John Parker & Dr. Dennis Whigham</i>	
Undergraduate Researcher	2010
University of California, San Diego <i>Advisor: Dr. Elsa Cleland</i>	

TEACHING EXPERIENCE

Teaching Assistant	
Multivariate Modeling (graduate course), UC Davis	2018
Ecosystems and Global Change (undergraduate course), UC San Diego	2010
Undergraduate Mentoring	
Involved 33 undergraduates in research projects, highlights include:	
▪ Recipient of a California Native Plant Society Student Research Grant to conduct independent research under me	
▪ Mentored a student through a project that was presented at the UC Davis Undergraduate Research Symposium	
Specialized Training	
Certified Ally, Undocu-Ally Program for Educators, UC Davis	2016
Graduate Level Seminar on Public Speaking, UC Davis	2015

SERVICE & OUTREACH

Student Liaison & Student Section Chair	2014 – 2019
California Invasive Plant Council	
▪ Ran monthly meetings, reported to Board of Directors, coordinated annual networking events, spearheaded student travel awards	

Graduate Student Representative

2016 – 2019

Ecology Graduate Group Awards Committee, UC Davis

Organizer

2016

Panel on Non-Academic Careers in Conservation, UC Davis

Reviewer

Global Change Biology, Biological Invasions, International Journal of Mediterranean Ecology, African Journal of Range and Forage Science, New Phytologist

Professional Memberships

Ecological Society of America, California Invasive Plant Council, Northern California Botanists Association, California Native Grassland Association, Graduate Women in Science