

CAITLIN I. LOOBY, PHD

Phone: 908-752-3086
Email: caitlin.looby@gmail.com
Website: www.caitlinlooby.com

PROFFESIONAL APPOINTMENTS

- 2021 - present **Science Communication Instructor**, University of Minnesota
- 2019 - 21 **Grand Challenges in Biology Postdoc Fellow**, University of Minnesota
- 2018 - 19 **Visiting Scientist**, Colorado State University
- 2017 - 19 **Postdoctoral Research Associate**, University of Denver

EDUCATION

- 2012 - 17 **Ph.D. Biological Sciences**, University of California, Irvine (UCI)
Advisor: Dr. Kathleen Treseder
Committee: Dr. Steven Allison, Dr. Michael Goulden
- 2010 - 12 **M.S. Biotechnology Science**, Kean University, Union, NJ
Advisor: Dr. William Eaton
- 2005 - 09 **B.S. Molecular and Cellular Biology**, University of Connecticut, Storrs, CT,
Minors: Ecology and Evolutionary Biology, Chemistry

PEER-REVIEWED PUBLICATIONS

- Looby, C.I.**, P.H. Martin. Diversity and function of soil microbes on montane gradients: The state of knowledge in a changing world. *FEMS Microbiology Ecology* 96 doi: 10.1093/femsec/fiaa122
- Looby, C.I.**, E.C. Hollenbeck, K.K. Treseder. 2020. Carbon in the canopy: how soil fungi and extracellular enzymes differ in canopy and ground soils. *Ecosystems*, 768-782.
- S.I. Glassman, C. Weihe, J. Li, M.B.N. Albright, **C.I. Looby**, A.C. Martiny, K.K. Treseder, S.D. Allison, J.B.H. Martiny. 2018. Decomposition responses to climate depend on microbial community composition. *PNAS* 115, 11994-11999.
- Looby, C.I.**, K.K. Treseder. 2018. Shifts in soil fungi and decomposition with simulated climate change in a tropical montane cloud forest. *Soil Biology and Biogeochemistry* 117, 87-96.
- Looby, C.I.**, M.R. Maltz, K.K. Treseder. 2016. Belowground responses to elevation in a changing cloud forest. *Ecology and Evolution* 6, 1996-2009.

Looby, C., W.D. Eaton. 2014. Effects of *Bromelia pinguin* (Bromeliaceae) on soil ecosystem function in the lowland forests of Costa Rica. *BMC Ecology* 14, 12-20.

Eaton, W.D., D. Shebitz, K. Niemiera, **C. Looby**. 2012. The effects of the N-Fixing tree *Pentaclethra maculosa* on the above and below ground communities within a primary forest in the Northern Zone of Costa Rica. In: M. Ali (Ed.), *The Functioning of Ecosystems*, InTech Publications, p. 57-78.

Looby, C., J.B. Hauge, D. Barry, W. D. Eaton. 2012. Fungal inhibition by *Bromelia pinguin* (Bromeliaceae) and its effect on nutrient cycle dynamics. *Tropical Ecology* 53, 225-234.

SCIENCE COMMUNICATION & WRITING APPOINTMENTS

2017 - 20 Freelance editor
 2019 AAAS Mass Media Fellow—*The Times-Picayune* | *New Orleans Advocate*
 2017 Intern, Environmental Journalism Program, *Mongabay*
 2016 - 17 Script writer, *Loh Down on Science* Radio Program
 2016 Climate Communication Specialist, University of California, Irvine

BYLINES: Association for Women in Science Magazine, Canoe and Kayak Magazine, Cultures Magazine, Mongabay, The New York Times, Pacific Standard Magazine, SUP Magazine

SCIENCE WRITING CLIPS (50 TOTAL)

For a full list of published clips visit: <https://caitlinlooby.com/sciwrite/clips/>

SELECTED THE TIMES-PICAYUNE | THE NEW ORLEANS ADVOCATE CLIPS (15 TOTAL)
<https://www.aaas.org/programs/mass-media-fellowship/caitlin-looby>

This year's spillway opening foreshadows how dolphins may fare with planned river diversions, experts say, August 18, 2019 https://www.nola.com/news/environment/article_731f8c26-be07-11e9-b2f2-6b0b8ad201ab.html

Louisiana, Florida to see biggest spike in 'extreme heat' days, study says; could force 'culture shift', July 17, 2019, https://www.nola.com/news/environment/article_55a19bb4-a5a0-11e9-8b44-5f6939d3e492.html

***This article was featured on the front page**

Boaters, take care: Manatees share boating channels in Louisiana waters, a new study finds, https://www.nola.com/news/environment/article_e2f06b92-9ce2-11e9-bbdc-bf641a537de0.html

Nutria bounty (yes, the nutria bounty) in Louisiana rises after 'uptake in damage', https://www.nola.com/news/environment/article_a5b2f5f6-99f4-11e9-8602-0bb16520c4f2.html

SELECTED LOH DOWN ON SCIENCE RADIO SCRIPTS (16 TOTAL)

Cannibal Frogs, Jun 8, 2017
 Ballsy Bees, May 1, 2017
 Uber Convenient, Apr 3, 2017

#YO-LOH, Oct 21, 2016
 Foot Flagging Frogs, Aug 3, 2016
 Antwater Rafting, Jun 1, 2016

SELECTED MONGABAY CLIPS (6 TOTAL)

<https://news.mongabay.com/by/caitlin-looby/>

A global view from a mountain town: How conservation became ingrained in Monteverde, Sep 6, 2017

Empowering communities fighting new mines: An interview with filmmaker Jessie Landerman, Jul 13, 2017

Reef market: Energetics key to keeping fish in the sea and the store, Jun 1, 2017

Discovering the Congo carbon sink, Mar 3, 2017

SELECTED FEATURE ARTICLES AND OP-EDS (13 TOTAL)

Looby, C. 2018. How one student is using SUP to study fish. *SUP Magazine* (now *Men's Journal*). <https://www.supthemag.com/features/environment-one-student-using-sup-save-fish/>

Looby, C. 2017. The planet cannot stand this presidency: Cloud forests. *The New York Times*. <https://www.nytimes.com/2017/04/21/opinion/the-planet-cant-stand-this-presidency.html>

*** This article appeared online and in-print in the Sunday Review Section on April 23, 2017**

Looby, C. 2016. Turning tides: A glimpse into our future of rising sea levels. *Canoe and Kayak Magazine* (now *Men's Journal*). <https://www.mensjournal.com/adventure/turning-tides/>

Looby, C.I., K.K. Treseder. 2015. The invisible power players in climate change. *Cultures Magazine* 2, 44-49. https://figshare.com/articles/Invisible_Power_Players_in_Climate_Change/2068704

Looby, C.I., K.K. Treseder. 2015. Working in the field: New solutions for old problems. *Association for Women in Science Magazine* 47, 43-50. https://figshare.com/articles/Working_in_the_Field_New_Solutions_for_Old_Problems/1585852

*** This article influenced harassment policy development in scientific societies, like the American Geophysical Union (<https://harassment.agu.org/homepage/resources/>).**

AWARDS

2017	UCI Grad Slam Finals, Third Place
2016	Graduate Student Fellowship Award, UCI
2016	University of California Carbon Slam, Third Place (Poster competition)
2013	Edward A. Steinhaus Teaching Award, UCI

GRANTS & FELLOWSHIPS

- 2019 - 21 Grand Challenges in Biology Postdoctoral Fellowship, UMN (\$48,000 total / year)
 2019 AAAS Mass Media Fellowship (\$6,000)
 2016 - 17 Graduate Assistance in Areas of National Need Fellowship, UCI (\$28,500)
 2015 - 17 NSF Doctoral Dissertation Improvement Grant (\$19,996)
 2014 - 16 EPA Science to Achieve Results Fellowship, UCI (\$84,000)
 2013 - 14 Graduate Assistance in Areas of National Need Fellowship, UCI (\$28,500)
 2013 Newkirk Center Fellowship, UCI (\$7,000)
 2012 - 13 Graduate Recruitment Fellowship, UCI (\$10,000)
 2010 - 12 Graduate Assistantship, Kean University (\$38,000)
 2009 NSF Research Experience for Undergraduate Fellowship, Peninsula College, WA (\$5,600)

MEDIA COVERAGE

- 2017 "Caitlin Looby on breaking into science journalism without quitting science," #MySciComm Blog, ESA Communication and Engagement Section
 2017 Mycological Society of America Student Spotlight
 2016 "Efecto en cadena: El bosque nuboso en riesgo por impacto del cambio climático en sus hongos," Scientific American Español
 2016 "Fungus among us: Biologists study global warming from Costa Rica," Costa Rica Star News
 2016 "Even plant-supporting soil fungi affected by global warming, UCI study finds," UCI News
 2012 "Looby researches microbial ecology in the tropics," Kean Xchange

RESEARCH PRESENTATIONS

- 2018 Department of Biological Sciences Seminar, Denver, CO, **Invited**
 2017 Ecological Society of America Meeting, Portland, OR, **Invited**
 2017 Association for Tropical Biology, Mérida, Mexico
 2017 UCI Undergraduate Research Symposium, Irvine, CA, [poster] * co-author
 2017 UCI Grad Slam Finals, Irvine, CA, **Third place**
 2016 Ecological Society of America, Ft. Lauderdale, FL
 2016 Ecological Society of America, Ft. Lauderdale, FL * co-author
 2016 University of California Carbon Slam, Palo Alto, CA, [poster], **Third place**
 2016 Association for Graduate Students Research Symposium, Irvine, CA
 2014 Ecological Society of America, Sacramento, CA, [poster]
 2012 Ecological Society of America, Portland, OR, [poster]
 2011 Ecological Society of America Mid-Atlantic Meeting, Blacksburg, VA, [poster]
 2011 Annual Argonne Soil Metagenomics Workshop, Chicago, IL, [poster]
 2011 Kean University Research Day, Union, NJ

TEACHING EXPERIENCE

INSTRUCTOR

2021 Science Communication: A primer for biologists, UMN

CO-INSTRUCTOR

2020 - 21 College of Biological Sciences BioLine Workshop for graduate students at UMN

2011 - 12 Principles of Microbiology Lab, Kean University

TEACHING ASSISTANT

2017 Organisms to Ecosystems, UCI

2013 - 14 Philosophy of Biology, UCI

2013 Limnology, UCI

2012 Field Methods in Ecology, UCI

GUEST LECTURER

2019 Science Communication for graduate students, UCI (Skype)

2018 Science Communication for graduate students, DU

2018 Forest Ecology, DU

2017 Tropical Biology: Race to Save the Tropics course, UCI

2015 Undergraduate Ecology Seminar for Majors at UCI

2015 Research talk for CIEE study abroad students in Costa Rica

PROFESSIONAL SERVICE

AFFILIATIONS

500 Women Scientists, American Association for the Advancement of Science, American Geophysical Union, Association for Tropical Biology and Conservation, Association for Women in Science, Ecological Society of America, National Association of Science Writers, Society for Environmental Journalists

JOURNAL REVIEW

Applied Soil Ecology, Biology and Conservation, Biotropica, Ecology, Frontiers in Microbiology, FEMS Microbiology Ecology, Microbial Ecology, Molecular Ecology, Mycologia, Mycorrhiza, New Phytologist, Oikos, Plant and Soil

STUDENT MENTORING

DU/CSU Sarah Jackman, Lindsay Wienkers

UCI Francisco Aguirre, Samantha Do, Stephanie Lopez, John Silva, Jerry Zapata

Kean U Ashley Casimir, Dana D'Angelo, Roberto Gómez, Katie McGee, Kate Niemiera, Brandon Nwobu, Radhee Sheth, Marie Torrao

OUTREACH

2018 - 21 Skype a Scientist, 10 sessions

2019 GO STEM Day, Northglenn High School, Northglenn, CO

2017 Women and Minorities in STEM Mentorship Program at UCI

2015 - 16 Tech Trek lab tour and activity leader at UCI

2013 Estuary Awareness Day activity leader at Newport Back Bay, CA