

# LAURA J. MARTIN

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## ACADEMIC APPOINTMENTS

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Williams College 2017 – present	Assistant Professor of Environmental Studies
Harvard University 2015 – 2017	Ziff Environmental Fellow Harvard University Center for the Environment & the Department of the History of Science

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## EDUCATION

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Cornell University	Ph.D., Natural Resources, 2015
Cornell University	M.S., Natural Resources, 2010
Brown University	Sc.B. with honors, Biophysics, 2006

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## FELLOWSHIPS AND AWARDS

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### NATIONAL AND INTERNATIONAL

2020 Distinguished Junior External Faculty Fellowship, Stanford Humanities Center  
2020 Peaked Hill Trust Arts + Science Residency, Cape Code National Seashore  
2020 Hellman Fellowship  
2015 Ziff Postdoctoral Fellowship, Harvard University Center for the Environment  
2015 Mellon Postdoctoral Fellowship in Environmental History, Brown University (declined)  
2015 Ciriacy-Wantrup Postdoctoral Fellowship, University of California, Berkeley (declined)  
2015 Society of Fellows Postdoctoral Fellowship, Dartmouth College (declined)  
2015 Dow Sustainability Postdoctoral Fellowship, University of Michigan (declined)  
2015 British Ecological Society Highly Commended Paper  
2015 Environmental Justice Section of the Ecological Society of America Award  
2013 National Science Foundation, Doctoral Dissertation Research Improvement Grant, Program in Science, Technology, and Society (\$7,660)

- 2012 Social Science Research Council Dissertation Proposal Development Fellowship, “Ecological History” Theme (\$5,000)  
2009 National Science Foundation, Graduate Research Fellowship, Life Sciences – Evolutionary Biology (\$130,000)  
2008 Doris Duke Conservation Leadership Fellowship (\$25,000)

## CORNELL UNIVERSITY

- 2015 James Slevin Teaching Prize  
2014 Provost’s Diversity Fellowship (\$12,000)  
2014 Buttrick-Crippen Fellowship, Knight Writing Institute (\$12,000)  
2014 Graduate Research Summer Fellowship (\$4,950)  
2013 Graduate School Research Travel Grant (\$1,000)  
2013 Cornell University Institute for the Social Sciences Grant, “Contested Global Landscapes” Theme (\$2,500)  
2012 Andrew W. Mellon Student Research Grant (\$1,000)  
2012 Sigma Xi Research Grant (\$400)  
2011 Recognition from the Cornell Board of Trustees for Excellence in Research  
2011 Cornell University Society for the Humanities, “Sustainability” Theme (\$1,000)

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## PUBLICATIONS

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### BOOKS

*Wild by Design: The Rise of Ecological Restoration* (under advance contract, Harvard University Press)

### REFEREED ARTICLES

Holly Buck, Laura J. Martin, Oliver Geden, Peter Kareiva, Liz Koslov, Will Krantz, Ben Kravitz, Edward Parson, Christopher Preston, Daniel Sanchez, Lynn Scarlett, Shuchi Talati, “Evaluating the Efficacy and Equity of Environmental ‘Stopgap Measures,’” *Nature Sustainability* (2020): <https://doi.org/10.1038/s41893-020-0497-6>.

Laura J. Martin, “Proving Grounds: Ecological Fieldwork in the Pacific and the Materialization of Ecosystems,” *Environmental History* 23 (2018): 567-592.

Bradley Cantrell, Laura J. Martin, Erle C. Ellis, “Designing Autonomy: Opportunities for New Wilderness in the Anthropocene,” *Trends in Ecology and Evolution* 32 (2017): 156-166.

Vânia Proença, Laura J. Martin, Henrique Miguel Pereira, Miguel Fernandez, Louise McRae, Jayne Belnap, Monika Böhm, Neil Brummitt, Jaime García-Moreno, Richard D. Gregory, João

Pradinho Honrado, Norbert Jürgens, Michael Opige, Cui Peng, Dirk S. Schmeller, Patrícia Tiago, Chris A.M. van Swaay, “Global Biodiversity Monitoring: Data Sources and Essential Biodiversity Variables,” *Biological Conservation* 213 (2017): 256-263.

Laura J. Martin, “Mathematizing Nature's Messiness: Graphical Representations of Variation in Ecology, 1930–present,” *Environmental Humanities* 7 (2015): 59-88.

Laura J. Martin and Shauna-kay Rainford, Bernd Blossey, “Effects of Plant Litter Diversity, Species Origin, and Traits on Larval Toad Performance,” *Oikos* 124 (2015): 871-879.

Dirk S. Schmeller, Romain Julliard, Peter J. Bellingham, Monika Böhm, Neil Brummitt, Alessandro Chiarucci, Denis Couvet, David M. Forsyth, Richard D. Gregory, Laura J. Martin, Jean-Baptiste Mihoub, Jaime Carcia Moreno, Vânia Proença, Chris A.M. van Swaay, Jayne Belnap, “Towards a Global Terrestrial Species Monitoring Program,” *Journal for Nature Conservation* 25 (2015): 51-57.

Laura J. Martin, Robert R. Dunn, Rachel Adams, Ashley Bateman, Holly M. Bik, John Hawks, Sarah Hird, David Hughes, Steven Kembel, Kerry Kinney, Sergios-Orestis Kolokotronis, Gabriel Levy, Craig McClain, James F. Meadow, Raul Medina, Gwynne Mhuireach, Corrie Moreau, Jason Munshi-South, Clare Palmer, Laura Popova, Coby Schal, Martin Taubel, Michelle Trautwein, Juan Ugalde, “Evolution of the Indoor Biome,” *Trends in Ecology and Evolution* 30 (2015): 223-232.

Laura J. Martin, Anurag A. Agrawal, Clifford E. Kraft, “Historically Browsed Jewelweed Populations Exhibit Greater Tolerance to Deer Herbivory than Historically Protected Populations,” *Journal of Ecology* 103 (2015): 243-249.

Laura J. Martin and Sara B. Pritchard, “Correspondence: Inclusive Conservation Excludes,” *Nature* 516 (2014): 37.

Laura J. Martin, John E. Quinn, Erle C. Ellis, M. Rebecca Shaw, Monica Dorning, Clifford E. Kraft, Lauren Hallett, Nicole E. Heller, Richard J. Hobbs, Elizabeth Law, Nicole Michel, Michael Perring, Patrick D. Shirey, Ruscena Wiederholt, “Conservation Opportunities Across the World’s Anthromes,” *Diversity and Distributions* 20 (2014): 745-755.

Laura J. Martin and Bernd Blossey, “Intraspecific Variation Overrides Origin Effects in Impacts of Litter-Derived Secondary Compounds on Larval Amphibians,” *Oecologia* 173 (2013): 449-459.

Laura J. Martin and Bernd Blossey, “Costs of *Phragmites australis* Management in the United States,” *Estuaries and Coasts* 36 (2013): 626-632.

Jason W. Karl, Jeffrey E. Herrick, Robert S. Unnasch, Jeffrey K. Gillan, Erle C. Ellis, Wayne G. Lutters, Laura J. Martin, “Discovering Ecologically Relevant Knowledge from Published Studies through Geosemantic Searching,” *BioScience* 63 (2013): 674–682.

Laura J. Martin, Bernd Blossey, Erle C. Ellis, "Mapping Where Ecologists Work: Biases in the Global Distribution of Terrestrial Ecological Observations," *Frontiers in Ecology and the Environment* 10 (2012): 195-201.

Laura J. Martin, "Where are the Women in Ecology?" *Frontiers in Ecology and the Environment* 10 (2012): 177-178.

Laura J. Martin and Bernd Blossey, "Invasive Plant Cover Impacts the Desirability of Lands for Conservation Acquisition," *Biodiversity and Conservation* 21 (2012): 1987-1996.

Laura J. Martin, "Re-Imagining Conservation Goals in Light of Global Change," *Frontiers of Biogeography* 1 (2012): 2.

Laura J. Martin, "Metaphor and the Idea of a Dominant Conservation Ethic," *Conservation Biology* 24 (2010): 1172-1173.

Laura J. Martin, "Reclamation and Reconciliation: Land-use History, Ecosystem Services, and the Providence River," *Urban Ecosystems* 13 (2010): 243-253.

Laura J. Martin and Bernd Blossey, "A Framework for Ecosystem Services Valuation," *Conservation Biology* 23 (2009): 494-496.

Amity M. Wilczek, Judith L. Roe, Mary C. Knapp, Martha D. Cooper, Cristina Lopez-Gallego, Laura J. Martin, Christopher D. Muir, Sheina Sim, Alexis Walker, Jillian Anderson, J. Franklin Egan, Brook T. Moyers, Renee Petipas, Antonis Giakountis, Erika Charbit, George Coupland, Stephen M. Welch, and Johanna Schmitt, "Effects of Genetic Perturbation on Seasonal Life History Plasticity," *Science* 323 (2009): 930-934.

J. Leighton Reid, J. Bert Harris, Laura J. Martin, Jacob R. Barnett, Rakan A. Zahawi, "Distribution and Abundance of Nearctic-Neotropical Songbird Migrants in a Forest Restoration Site in Southern Costa Rica," *Journal of Tropical Ecology* 24 (2008): 1-4.

## **BOOK REVIEWS**

Review of Andrew Robichaud, *Animal City: The Domestication of America*, H-Net Reviews, November 2020: <https://www.h-net.org/reviews/showpdf.php?id=55517>

Review of Edward Slavishak, *Proving Ground: Expertise and Appalachian Landscapes*. *American Historical Review* 124 (2019): 1914-1915.

Review of Timothy Morton, *Dark Ecology: For a Logic of Future Coexistence*, *Quarterly Review of Biology* 92 (2017) 463-464.

Review of Frank Egerton, *A Centennial History of the Ecological Society of America*, *Quarterly Review of Biology* 91 (2016): 75-75.

Review of *Roots of Ecology: Antiquity to Haeckel*, *Quarterly Review of Biology* 88 (2013): 234.

## POPULAR WRITING

“How Does Architecture Affect the Evolution of Other Species?” *RCC Perspectives: Transformations in Environment and Society*, Issue 2016/5

“G. Evelyn Hutchinson’s Exultation in Natural History,” *American Scientist*, July-August 2016.

“The X-ray Images that Showed Midcentury Scientists How Radiation Affects an Ecosystem,” *Slate*, 28 December 2015.

“Evolution of the Indoor Biome,” *Your Wild Life*, 16 March 2015.

“Space Cadets and Rat Utopias,” *The Appendix: A Journal of Experimental and Narrative History*, “Futures of the Past” issue, August 2014.

“Is a Footprint the Right Metaphor for Ecological Impact?” *Scientific American*, 2 April 2014.

“The Secret (and Ancient) Lives of Houseplants,” *Your Wild Life*, 21 April 2013.

“Butterflies and Bombs,” *Scientific American*, 26 March 2013.

“Postage Stamps Overlook Earth’s Tiny Creatures,” *Scientific American*, 20 February 2013.

“The Death of Natural Selection,” *Scientific American*, 5 November 2012.

“Scientists as Writers,” *Scientific American*, 15 August 2012.

“The Co-evolution of Insects, Plants, and a Career,” *Scientific American*, 16 April 2012.

“Visiting the Corpse Plant,” *Scientific American*, 20 March 2012.

## POETRY

“Three Figures for Distance,” *The Briar Cliff Review*, Issue 27, 2015

“The Dentist” and “Cranberries,” *Owl Eye Review*, Issue 3, 2014

“Domestic,” *Prairie Schooner*, Issue 87:1, 2013

“Surveyor” and “Our House,” *Fourth River*, Issue 9, 2012

“Shopping Carts,” *Cider Press Review*, Issue 14:1, 2012 (nominated for a 2013 Pushcart Prize)

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## PRESENTATIONS

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### INVITED LECTURES

“‘The Mood of Wild America’: Non-Native Species as Ecosystem Threats,” Animal Studies Working Group, Stanford University, November 2020

“The Garden in the Forest: Roots of Restoration Ecology,” Gund Institute for Environment, University of Vermont, April 2020 \*rescheduled due to covid-19

Roundtable on Artfulness for Academics, Conference on Creative Academic Writing, Cornell University, May 2017

“Co-existence as a Goal for Ecological Restoration,” Environmental Humanities Colloquium, University of Virginia, March 2017

“Ecological Restoration and Historical Reconciliation,” Centre for Humanistic Inquiry, Amherst College, December 2016

“‘Such a Merciless War of Extermination’: Nativism in Early Ecological Policy,” Franke Program in Science and the Humanities, Yale University, November 2016

“The Politics of Ecological Care,” STS Circle, Harvard University, November 2016

“Ecological History,” Harvard Global Institute Environmental Humanities Initiative Faculty Workshop, Harvard University, September 2016

“‘American Plants for American Gardens’: The Early History of Ecological Restoration,” Herbaria Seminar Series, Harvard University, September 2016

“Ecological Restoration: From Bombs to Bac-O-Bits,” Boston Environmental History Seminar, Massachusetts Historical Society, February 2016

“Recovery after Attack: Radioecology and Shifting Conceptions of Humans as Agents of Ecosystem Change,” Natural History Seminar, Department of History and Philosophy of Science, University of Cambridge, October 2015

Human Niche Construction Workshop, Rachel Carson Center for Environment and Society, October 2015

“Why do Restorationists Care about Community Ecology?” Seminar Series, Harvard Forest, October 2015

“Moving it off the Map: The History of Wetlands Mitigation,” Land and Water: A Long-Term Perspective, Brown University, September 2015

“After the Dust Bowl: Ecology’s Role in National and Natural Recovery,” Department of the History of Science Seminar Series, Harvard University, September 2015

“‘In the Latitude of Doom’: Lauren Donaldson’s Atomic Fieldwork,” The Life Sciences After WWII, World History Center, University of Pittsburgh, May 2014

“Gender Inequality in Ecology,” Society of Wetland Scientists, Duluth, MN, June 2013

“Bridging the Two Cultures through a History of Ecosystem Stability,” Cornell University Society for the Humanities, February 2013

## **WORKSHOPS ORGANIZED**

Ecological History in Asia and the World, Yale University, organized with Peter Perdue (Yale University), October 2017

Joint Atlantic Seminar on the History of Biology, Organizing Committee, Harvard University, April 2016

Environmental History Working Group at Harvard University, founded with Joyce Chaplin (Harvard University), Fall 2015

Ecological Society of America Emerging Issues Conference on “Developing Ecologically Based Conservation Targets under Global Change,” organized with Dov Sax (Brown University), Bernd Blossey (Cornell University), Susan-Cook-Patton (Cornell University), National Conservation Training Center, February 2012

Women in the Life Sciences Symposium, Organizing Committee, Cornell University, March 2012

Cornell Roundtable on Environmental Studies (CREST), founded with Aaron Sachs (Cornell University) and Amy Kohout (Cornell University), 2010

## **INVITED WORKSHOPS**

Human Conditions, Eisen Institute for Historical Studies, University of Michigan, March 2020  
\*rescheduled due to covid-19

Leveraging the Liberal Arts Model for Local and Global Sustainability, Alliance to Advance Liberal Arts Colleges workshop, Furman University, February 2019

Stopgap Measures in Environmental and Climate Policy, Emmett Institute on Climate Change and the Environment and UCLA Institute of the Environment and Sustainability, November 2018

Human Niche Construction Workshop, Rachel Carson Center for Environment and Society, Munich, Germany, October 2015

Global Earth Observations Biodiversity Observation Network Working Group on terrestrial species monitoring (GEO BON WG2), 2013-2017

Evolution of the Indoor Biome Working Group, National Evolutionary Synthesis Center (NESCent), 2013-2014

## **INVITED COMMENTARIES**

Reviewer for Harvard University Graduate School of Design degree candidates, Risk and Resilience Group, May 2020

Panel commentator for New Perspectives in Environmental History, Yale University, April 2020  
\*cancelled due to covid-19

Panelist for “Environmental Challenges in the Berkshires” symposium, Barrington Stage Company and Mass Humanities, August 2019

Reviewer for Harvard University Graduate School of Design degree candidates, Risk and Resilience Group, May 2019

Commentary on Mellon Graduate Workshop on Environment-Society Hybridity, Brown University Cogut Center for the Humanities, October 2018

Commentary on panel “Beyond Disenchantment: Theorizing Science, Technology, and New Religious Movements,” Oakley Center for the Humanities and Social Sciences, Williams College, May 2018

Faculty Panel for New Perspectives in Environmental History, Yale University, April 2018

External reviewer for final projects in “The Idea of Environment” (Instructor: Dilip da Cunha), Harvard University Graduate School of Design, November 2016

Commentary on panel “Human Ecology as an Interdisciplinary Approach to Social and Environmental Crisis,” History of Science Society, Atlanta, GA, November 2016



## CONFERENCE PRESENTATIONS

“Keywords of Environmental Reparation: Restoration, Democracy, and Rights,” American Society for Environmental History, Ottawa, Canada, March 2020 \*cancelled due to covid-19

“Instrumentalizing Care: The Automation of Ecological Restoration,” American Association of Geographers, Washington, D.C., April 2019

“Environmental History for Public Policy: Methodological and Practical Challenges,” American Society for Environmental History, Riverside, CA, March 2018

“Intervention Ecology: Caring for Panthers and Sawgrass in the Florida Everglades,” (Conference co-organizer) Ecological History in Asia and the World, Yale University, New Haven, October 2017

“Environmental Justice in Transnational History and Anthropology,” (Session organizer) CSU Environmental Justice in the Anthropocene Symposium, Fort Collins, CO, April 2017

“Knowing, Shaping, and Making Environments: Material Histories,” (Session organizer) American Society for Environmental History, Chicago, IL, March 2017

“Environmental History & History of Science: Tensions and Overlaps,” History of Science Society, Atlanta, GA, November 2016

“G. Evelyn Hutchinson’s Geochronometric Laboratory and the Construction of Ecological Time,” History of Science Society, San Francisco, CA, November 2015

“Pollen and Peat: Ecological Histories,” (Session organizer, “The ESA at 100: Historical Perspectives on Ecology and Ecological Management”) Ecological Society of America, Centennial Anniversary Meeting, Baltimore, MD, August 2015

“Doing Science as a Historian,” (Session organizer: “Conversations at the Intersection of Conservation Biology and Environmental History”) American Society for Environmental History, Washington, DC, March 2015

“Reconstructing America’s Ecological Past,” New Perspectives in Environmental History, Yale University, New Haven, CT, April 2014

“Materializing Ecosystems: Connecting the Pacific Proving Grounds and Wisconsin Wetlands, 1954-1972,” Society for Social Studies of Science, San Diego, CA, October 2013

“Conservation Opportunities Across the World’s Anthromes,” International Congress for Conservation Biology, Baltimore, MD, July 2013

“Coral, Competition, Cold War: Ecological Research at Eniwetok Atoll in the 1950s,” (Session organizer: “Ecology as Practice: Forging Ecological Knowledge Across National and

Disciplinary Boundaries”) American Society for Environmental History, Toronto, Canada, April 2013

“Making Non-Nativity Visible: Invasive Species at the Nexus of STS and Environmental History,” American Society for Environmental History, Madison, WI, April 2012

“Mapping Where Ecologists Work” (Conference co-organizer) Ecological Society of America Emerging Issues Conference, Shepherdstown, WV, February 2012

“Anticipating Nature: Statistical Treatment of Variation and Ecologists’ Tacit Beliefs,” Science Studies Research Group, Cornell University, Ithaca, NY, November 2011

“Conservation Benchmarking Throughout History,” Cornell Roundtable on Environmental Studies, Ithaca, NY, November 2010

“Ecology: Not In Our Backyards,” Ecological Society of America, Pittsburgh, PA, August 2010

“On the Origin of Species: Americans and Biological Nativity,” Cornell American History Colloquium, Ithaca, NY, April 2010

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## TEACHING

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### COURSES TAUGHT

Williams College, Assistant Professor

ENVI 229      *Environmental History* (S 2020)  
ENVI 259      *New England Environmental History* (S 2018, S 2019)  
ENVI 250      *Environmental Justice* (S 2018, S 2019, S 2020)  
ENVI 101      *Nature and Society: Introduction to Environmental Studies* (F 2017, F 2018, F 2019)  
ENVI 252      *Biodiversity and Climate Change* (F 2017)  
ENVI 240T      *Conservation and Climate Change* (F 2018, F 2019)

Harvard University, Co-instructor

HS summer      *History Beyond the Classroom: Galapagos* (graduate course, summer 2017)

Cornell University, Instructor

NTRES 1200      *Birds, Bats, Butterflies: The Art of Field Biology*

Cornell University, Teaching Assistant

NTRES 1101 *Introduction to Environmental Science and Sustainability* (F 2010, F 2013)

NTRES 232 *Nature and Culture* (S 2008, S 2011, S 2012)

NTRES 332 *Ethics and the Environment* (F 2011)

## **STUDENT THESES ADVISED**

Megan Powell, Williams College '20, "Community Responses to the Dunn Construction and Demolition Debris Landfill in Rensselaer, New York"

Sofia Barandiaran, Williams College '20, "Towards Holistic Environmental Justice: Confronting Green Gentrification in San Francisco's Mission District"

Emily Elder, Williams College '20, "People, Power, and Rivers: Socio-Ecological Dynamics in Northern Mongolia"

Sean Dory, Williams College '19 (co-advised), "Portraying Peril: How Science Centers and Aquariums are Navigating Emotions and Confronting Climate Change"

Niya Avery, Harvard University '17, "Speaking Gender and Science: A Case Study of Women in the Physical Sciences"

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## **PROFESSIONAL SERVICE**

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### **NATIONAL AND INTERNATIONAL**

Program Committee, American Society of Environmental History 2020 conference, Ottawa, spring 2019 – spring 2020

Local Planning Committee, American Society of Environmental History 2021 conference, Boston, fall 2017 – present

Guest editor, Special Issue on Anthropogenic Biomes, *Land* 6 (2017)

Reviewer for *History of Science, Society & Natural Resources*, *Journal of the History of Biology*, *Frontiers in Ecology and the Environment*, *Diversity and Distributions*, *Natural Areas Journal*, *Quarterly Review of Biology*, *Ecography*, University of Washington Press

### **WILLIAMS COLLEGE**

Strategic Planning Working Group on Sustainability, spring 2019 – spring 2020

Committee on Educational Affairs, fall 2018 – spring 2019

Science and Technology Studies Advisory Committee, fall 2017 – present

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## **PROFESSIONAL ASSOCIATIONS**

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American Society for Environmental History

History of Science Society

Society for Social Studies of Science

Ecological Society of America

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## **LANGUAGES**

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English, Spanish (intermediate), French (reading)