

LAURA J. MARTIN

lauramartin@fas.harvard.edu

ljanemartin.com

APPOINTMENTS

2015-2017 Ziff Environmental Fellow, Harvard University
Harvard University Center for the Environment & Dept. of the History of Science

EDUCATION

Ph.D., Natural Resources, Cornell University, 2015
“Natural and National Recovery: Ecological Restoration in the United States, 1930-1975”
Fields: Environmental History, Science and Technology Studies, Conservation Biology

M.S., Natural Resources, Cornell University, 2010

Sc.B., Biophysics with honors, Brown University, 2006

FELLOWSHIPS AND AWARDS

National and International

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)

BOOK

Saving Species: The History and Politics of Ecological Restoration (under advance contract, Harvard University Press)

PEER REVIEWED ARTICLES

Laura J. Martin, " 'The World in Miniature': Ecological Research at the Pacific Proving Grounds and the Materialization of Ecosystems," *Environmental History*, in review.

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*, in press.

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, "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.

INVITED TALKS

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

“The History of the Niche Concept,” 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

“Ecological Traits and Ecosystem Impacts,” Biological Control for Nature Conference, Northampton, MA, October 2010

“The Idea of Wilderness,” SUNY Cortland, Cortland, NY, May 2010

“The Current Landscape of *Phragmites australis* Management,” U.S. Fish and Wildlife Service workshop, Patuxent, MD, February 2010

CONFERENCE PRESENTATIONS

“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

Commentator, “Human Ecology as an Interdisciplinary Approach to Social and Environmental Crisis,” 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

TEACHING

Harvard University, Instructor

Summer 2017 *History Beyond the Classroom: Galapagos* (graduate course)

Cornell University, Instructor

Fall 2014 *Birds, Bats, Butterflies: The Art of Field Biology*

Spring 2012 *Section of Nature and Culture*

Cornell University, Teaching Assistant

Fall 2013 *Introduction to Environmental Science and Sustainability*

Spring 2012 *Nature and Culture*

Fall 2011 *Ethics and the Environment*

Spring 2011 *Nature and Culture*

Fall 2010 *Introduction to Environmental Science and Sustainability*

Spring 2008 *Nature and Culture*

SERVICE

- 2016 Guest editor, Special Issue on Anthropogenic Biomes, *Land* 6 (2017)
- 2016 Organizing Committee of the Joint Atlantic Seminar on the History of Biology
- 2015 – Co-founder of the Environmental History Working Group at Harvard University
- 2015 – Participant in the Modern Sciences Working Group at Harvard University
- 2013 – Invited member of the Global Earth Observations Biodiversity Observation Network Working Group on terrestrial species monitoring
- 2013 – 2014 Invited participant in the “Evolution of the Indoor Biome” Working Group, funded by National Evolutionary Synthesis Center (NESCent)
- 2011 – 2012 Media Chair for the Cornell Women in the Life Sciences Symposium
- 2010 – 2012 Organizing Committee of the Ecological Society of America EI Conference on “Developing Ecologically Based Conservation Targets under Global Change”
- 2010 – 2015 Co-founder of the Cornell Roundtable on Environmental Studies (CREST)
- 2009 – 2015 Participant in the Cornell Historians are Writers reading group
- 2009 – 2013 Organizer of the Cornell Natural Resources Graduate Research Symposium
- 2009 – 2010 President of the Cornell Natural Resources Graduate Student Association
- 2008 – 2010 Member of the Ithaca City Conservation Council
- 2006 – 2007 Lab Assistant at the John Innes Centre, Norwich, England, on the grant “NSF FIBR: Evolutionary ecology of signaling pathways in complex environments”

LANGUAGES

English, Spanish (intermediate), French (reading)

PROFESSIONAL ASSOCIATIONS

American Society for Environmental History
American Historical Association
History of Science Society

Society for Conservation Biology
Society for Social Studies of Science
Ecological Society of America

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.

“Re-Imagining Conservation Goals in Light of Global Change,” *Frontiers of Biogeography* 1 (2012): 2.

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)

PROFESSIONAL REFERENCES

Professor Peter Galison, Harvard University Department of the History of Science

Professor Joyce Chaplin, Harvard University Department of History

Professor Clifford Kraft, Cornell University Department of Natural Resources

Professor Sara Pritchard, Cornell University Department of Science & Technology Studies

Professor Aaron Sachs, Cornell University Department of History