

Brian P. Tyrrell
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EDUCATION

- Present Ph.D. Candidate, Department of History, University of California, Santa Barbara, Santa Barbara, CA (Degree expected: December 2018).
- Dissertation: “Bred for the Race: Thoroughbred Horses and the Politics of Pedigree, 1700-2000”
 Defended: June 13, 2018
- 2010 M.A. (History) Rutgers, the State University of New Jersey-Newark, Newark, NJ
- 2007 B.A. (History, minor in College of Arts and Letters and College of Science Glynn Family Honors Program) University of Notre Dame, Notre Dame, IN

PUBLICATIONS

Peer-Reviewed Articles

- Under Review* McCullough, Ian, Elizabeth Forbes, Andrea Adams, Kevin Brown, Jolie Colby, Sean Denny, Molly Hardesty-Moore, Robert Heilmayr, Elizabeth Hiroyasu, Jennifer Martin, Chris Miljanich, [Brian Tyrrell](#), Zoe Welch, Peter Alagona, Sarah Anderson, Scott Cooper, and Bruce Kendall. “The Reintroduction Gap: Baselines, Novel Landscapes, and the California Grizzly Bear.”
- 2015 Tyrrell, Brian. “Bred for the Race: Thoroughbred Breeding and Racial Science, 1900-1940.” *Historical Studies in the Natural Sciences* 45, no. 4 (2015): 549-576.

Encyclopedia Entries

- Forthcoming* “Molecular Beam Epitaxy” in Joseph D. Martin and Cyrus C.M. Mody, eds., *WSPC Encyclopedia of the Development and History of Materials Science: Tools in Materials Research* (World Scientific, in progress).

Book Reviews

- Forthcoming* Review Essay: “Political Animals” *Historical Studies in the Natural Sciences*
- 2015 Katherine C. Mooney *Race Horse Men: How Slavery and Freedom Were Made at the Racetrack*, in *Essays in History*, Summer 2015
(<http://www.essaysinhistory.com/review/2015/237>)
- Carrie Friese, *Cloning Wild Life: Zoos, Captivity, and the Future of Endangered Animals*, in *Make Magazine* (<http://makemag.com/review-cloning-wild-life/>)

Other Publications

- 2016 McCray, W. Patrick, Cyrus Mody, Amy Slaton, and Brian Tyrrell. (2016) *CNS Synthesis Report on IRG 1: Exploring Nanotechnologies' Origins, Institutions and Community: A Ten Year Experiment in Large Scale Collaborative STS Research*, (CNS-UCSB, Santa Barbara, CA), August 2016.

FELLOWSHIPS AND AWARDS

- 2013-2016 University of California, Santa Barbara Center for Nanotechnology in Society Graduate Student Fellow (National Science Foundation Grant No. SES 0531184)
- 2016 University of California (All-UC) Humanities Research Institute Graduate Student Dissertation Support Grant
- Lawrence Badash Prize for the outstanding graduate student essay in the history of science, technology, or medicine or on weapons control, University of California, Santa Barbara
- University of California, Santa Barbara History Department Dissertation Fellowship
- 2015 Kentucky Historical Society Scholarly Research Fellowship
- University of California, Santa Barbara History Associates Fellowship
- University of California, Santa Barbara Graduate Division Humanities Research Fellowship

- 2014-2015 University of California, Santa Barbara Interdisciplinary Humanities Center Graduate Associate Program Fellow, “The Anthropocene: Views from the Humanities”
- 2014 John H. Daniels Fellowship, National Sporting Library and Museum, Middleburg, Virginia
- 2011-2012 UC Regents Out-of-State Tuition Fellowship
- 2007-2008 Rutgers University-Newark Graduate Fellowship

CONFERENCES, WORKSHOPS, AND INVITED LECTURES

- 2018 “Futures Perfect: Thoroughbred Horses in the Genomic Era,” to be presented at the Equine History Conference, Pomona California, 30 November – 2 December
- “Bringing the Bluegrass West: Scientific Agriculture and the California Thoroughbred Industry” to be presented at the History of Science Society Annual Meeting, Seattle Washington, 2 November
- “Environmental Inequality” Guest Lecture delivered for Wealth and Poverty in America, UCSB Summer Session B, 4 September
- “What is the Environment Worth?” Guest Lecture delivered for Introduction to Environmental Studies, UCSB Summer Session A, 2 July
- “Breeding the Bluegrass: A Political Ecology of Kentucky’s Bluegrass Region” to be presented at American Society for Environmental History annual conference, Riverside, California, 14-18 March
- “Science Goes Global: Atmospheres” Guest Lecture delivered for History of Science Survey, UCSB Winter 2018, 12 March
- 2017 “Re-Arabizing the Thoroughbred: Horse Racing and the Postmodern Synthesis” presented at the History of Science Graduate Student Workshop at University of California, Santa Barbara 9 December
- “The American Stud Book: A Study in Nineteenth-Century Classification and Standardization” presented at History of Science Graduate Student Workshop at University of California, Los Angeles, 25 February
- “The Political Ecology of Robert A. Alexander’s Woodburn Stud: Kentucky Historical Society Fellows Talk” presented at the Kentucky Historical Society, Frankfort, Kentucky 20 January

- 2016 “Breeding the Bluegrass: The Ecological Transformation of Kentucky’s Bluegrass Region” presented at the annual Workshop in the History of the Environment, Agriculture, Technology, and Science (WHEATS) Rutgers University, 30 September – 2 October
- “The ‘Inheritance Coefficient:’ Harry Laughlin and the Eugenics Record Office’s Obsession with Thoroughbred horses” presented at Society for Social Studies of Science (4S) / European Association for the Study of Science and Technology Conference, Barcelona, Spain 31 August – 3 September
- 2015 “The Horse’s Mouth: Citizen Science in American Sporting Weeklies” presented at History of Science Society Annual Meeting, San Francisco, California 19-22 November
- “Westward into Kentucky: Thoroughbreds, Statehood, Slavery and the Making of the American West” guest lecture delivered for America in the Early Republic, UCSB Summer Session B, 10 August
- “Creating Elite Animals: The Classificatory Regime of the *American Stud Book*” presented at Agricultural History Society Annual Meeting, Lexington Kentucky, 3-6 June
- Poster presentation: “From Blueprints to Bricks: The History of DNA Nanotechnology” presented at National Science Foundation site visit to University of California, Santa Barbara Center for Nanotechnology in Society, 4 May
- 2014 “Blueprints and Bricks: DNA and the Formation of a Scientific Community” presented at History of Science Society (HSS) Annual Meeting, Chicago Illinois, 6-9 November
- “DNA: It’s Not Just for Biology Anymore” presented at Center for Nanotechnology in Society, Santa Barbara, California 30 October 30
- “From Blueprints to Bricks: The Origins of DNA Nanotechnology” presented at Social Studies of Science Society (4S) Conference, Buenos Aires, Argentina 19-23 August
- “Bred for the Race: Thoroughbred Breeding and Racial Science in the United States, 1900-1940’ presented at Galloping History: An International Symposium, Bilkent University, Ankara, Turkey 16-19 April

TEACHING EXPERIENCE

Instructor of Record

2016 Department of History and Environmental Studies Program, University of California, Santa Barbara, Wildlife in America, Summer Session A

Teaching Assistant

2018 Environmental Studies Department, University of California, Santa Barbara

Served as Teaching Assistant for Introduction to Environmental Studies (Two quarters)

2015-2018 Writing Program, University of California, Santa Barbara.

Designed and sole-taught Introduction to Academic Writing.

2011-2013, 2017 Department of History, University of California, Santa Barbara

Served as Teaching Assistant for US History pre-history to 1820 (Two quarters); US History 1820-1914 (Two quarters); US History 1914-present (Two quarters); World History 1789-present; Western Civilization pre-history-800

Course Development and Pedagogical Training

2017-2018 Infrastructure and Ideology Course Development with Professor Kate McDonald

2015 University of California, Santa Barbara Writing Pedagogy Workshop, 8-18 September

OTHER PROFESSIONAL AND RESEARCH EXPERIENCE

2016-present California Grizzly Research Network, member

2011-present University of California, Santa Barbara Workshop in Environmental History

2014-present University of California, Santa Barbara Workshop in History of Science,

2018 Research Assistant, California Grizzly Mapping Project

University of California, Santa Barbara Instructional Development Open-Source Learning Platform (Moodle) Specialist

- 2017 Research Assistant: Urban wildlife book project, Peter S. Alagona
- Research Assistant: Innovation Contests White Paper Project, principal investigator, Luciano Kay
- 2015 National Institute of Standards and Technology / Drexel University Summer Institute, "Standards in Society," 12-25 July 2015, Philadelphia, Pennsylvania
- Biennial Summer School on the History of the Life Sciences, "Geographies of Life," 27 June - 3 July 2015, Stazione Zoologica Anton Dohrn, Ischia, Italy
- 2013 Research Assistant for memoirist and novelist Mitchell Kriegman
- 2007-2008 Graduate Research Assistant for Professor Clement Price, Rutgers University-Newark

PROFESSIONAL SERVICE

- 2017 Conference Organizer: University of California Southern Regional History of Science Graduate Student Conference, 9 December, University of California, Santa Barbara
- 2015 Panel chair: "Depression, Speculation, Rejuvenation" at Approaching the Anthropocene: Perspectives from the Humanities and Fine Arts, 7-8 May, University of California, Santa Barbara
- 2014 Rapporteur: "Working Upstream: Nanotechnology, Synthetic Biology, and NGO Influence in Governance," at Democratizing Technologies 13-15 November, University of California, Santa Barbara
- 2013-2014 Graduate Student Member, History of Life Sciences Search Committee, University of California, Santa Barbara
- 2012 Oral History Interviewer for University of California, Santa Barbara Public History research project
- 2008 Bibliographer, Marion Thompson Wright Lecture Series: "Private Grief and Public Mourning in African American Life and History." Rutgers University-Newark 16 Feb 2008

PROFESSIONAL ORGANIZATIONS

Agricultural History Society (AHS)
American Society for Environmental History (ASEH)
History of Science Society (HSS)
Society for Social Studies of Science (4S)

LANGUAGES

Spanish Speaking, reading, writing