

# Brad Bolman

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## ACADEMIC APPOINTMENTS

2023-Present. Postdoctoral Membership, School of Historical Studies, Institute for Advanced Study.  
2021-2023. Postdoctoral Researcher at the Rank of Instructor, Institute on the Formation of Knowledge, the University of Chicago. Affiliations: History; Committee on Conceptual and Historical Studies of Science

## EDUCATION

2016-2021. Ph.D., M.A., History of Science, Harvard University  
2011-2015. B.A., Social Studies, Secondary in History and Science, Harvard University

## HONORS & AWARDS

Dissertation Prize, Division of History of Science and Technology, International Union of History and Philosophy of Science and Technology (2023)  
Honorable Mention, *Notes and Records* Essay Award (2023)  
Honorable Mention, John C. Burnham Early Career Award, Forum for the History of Human Science, History of Science Society (2021)  
Honorable Mention, Graduate Student Essay Award, Forum for the History of Health, Medicine, and the Life Sciences, History of Science Society (2021)  
Bowdoin Prize for Graduate Essay in the English Language, Harvard University (2021)  
Honorable Mention, Shryock Medal, American Association for the History of Medicine (2020)  
Nathan Reingold Prize, History of Science Society (2019)  
Harvard Certificate of Distinction in Teaching (Fall 2018, Spring 2019, Fall 2019)

## GRANTS & FELLOWSHIPS

Interdisciplinary Residency, Oak Spring Garden Foundation (2024)  
Sydney Brenner Research Fellowship, Center for Humanities & History of Modern Biology, Cold Spring Harbor Laboratory (2023)  
Curtis Gates Lloyd Fellowship, Lloyd Library & Museum (2023)  
Quad Faculty Research Grant, The University of Chicago (2022-2023)  
Lisa Jardine History of Science Grant, The Royal Society (2022)  
Dissertation Completion Fellowship, Harvard University (2021)  
Aramont Foundation Graduate Innovation Fund Grant, Harvard University (January 2021)  
Dissertation Fellow, Weatherhead Center for International Affairs, Harvard University (Fall 2020)  
Research Stipend, Rockefeller Archive Center (Spring 2020)  
Reynolds-Finley Associate Fellowship, University of Alabama, Birmingham (2019)  
John J and Hee-Jung S. Moon Fund Fellowship, Harvard University (2018-2019)  
Asia Center Summer Research Grant, Harvard University (2018)  
Pforzheimer Fellowship, Harvard University Archives (2017)  
Honorable Mention, National Science Foundation Graduate Research Fellowship Program (2017)  
Hiebert Conference Travel Fellowship (2017, 2018, 2019, 2020)  
Sosland Family Graduate Fellowship (2016-2017)

## PUBLICATIONS

### BOOKS

2024/2025. *Laboratory Dog: What Global Science Owes the American Beagle*. Chicago, IL: The University of

Chicago Press (forthcoming).

## SPECIAL JOURNAL ISSUES

2022. Special Issue on “Testing Models, Standards, and Organisms.” *Journal of the History of Biology* 55, no. 1. Editor: Brad Bolman. Authors: Brad Bolman, Charles Kollmer, Sara Ray, Tara Suri, Nicole Welk-Joerger. Commentators: Angela N. H. Creager, Robert E. Kohler, Karen A. Rader.

## JOURNAL ARTICLES

2023. “What mysteries lay in spore: taxonomy, data, and the internationalization of mycology in Saccardo's *Sylloge Fungorum*.” *British Journal of the History of Science* 56, no. 3, May 2023.
2022. “In the Animal House: Rabies, Labor, and Salvage Dogs in Jim Crow Birmingham.” *Historical Studies in the Natural Sciences* 52, no. 5, November 2022.
2022. “Critical Periods in Science and the Science of Critical Periods: Canine Ethology in America.” *Historicizing Ethology*. Special Issue of *Berichte zur Wissenschaftsgeschichte / History of Science* 45, no. 1-2, May 2022.
2022. “Dogs for Life: Beagles, Drugs, and Capital in the Twentieth Century.” *Testing Models, Standards, and Organisms*. Special Issue of *Journal of the History of Biology* 55, no. 1, March 2022.
2021. “Pig Mentations: Race and Face in Radiobiology.” *Isis* 112, no. 4, December 2021.
2019. “Parroting Patriots: Interspecies Trauma and Becoming-Well-Together.” *BMJ: Medical Humanities* 45, August 2019.
2018. “How experiments age: Gerontology, beagles and species projection at Davis.” *Social Studies of Science* 48, no. 2, April 2018.
2016. “A Prairie Drone Companion: Two Provocations on Agricultural Drones.” *Drone Culture*. Special Issue of *Culture Machine* 16.

## MAGAZINE/WEB ARTICLES

2023. “The World’s Secret Fabric.” *Pioneer Works Broadcast*, November 2023, <https://pioneerworks.org/broadcast/brad-bolman-dark-fungi>.
2022. “Farm-to-Operating Table.” *Grow by Ginkgo*, Issue 4, “The Futures Issue,” <https://www.growbyginkgo.com/2023/02/16/farm-to-operating-table/>.
2022. “Beagles are in the news.” *The Washington Post* “Made by History,” August 26, 2022, <https://www.washingtonpost.com/made-by-history/2022/08/26/beagles-are-news-after-decades-key-players-medical-research/>.
2022. “After Dawn: Resurgent Archaeology and *The Dawn of Everything*” (with Hannah Moots). *Chicago Review*, April, <https://www.chicagoreview.org/david-graeber-the-dawn-of-everything/>.
2021. “The Serendipity of Llama Biocapital.” *Grow by Ginkgo*, September, <https://www.growbyginkgo.com/2021/09/24/the-serendipity-of-llama-biocapital/>. “Essay of the Week,” *The Syllabus*, October 6, 2021.
2021. “Antisocial Dentistry.” *Hypocrite Reader*, issue 98 (Teeth), July, <https://hypocritereader.com/98/antisocial-dentistry>. “Essay of the Week,” *The Syllabus*, July 20, 2021.
2020. “Gazehounds, Greyhounds, and Bloodhounds.” *Cabinet*, issue 67 (Dreams), September, <http://www.cabinetmagazine.org/issues/67/bolman.php>. Featured in “The Browser,” October 2021.
2020. “Capitalist Pigs.” *The Drift*, no. 1 (June), <https://thedriftmag.com/capitalist-pigs/>. Excerpted on LitHub, August 10, 2020.
2019. “Strontium.” *Theorizing the Contemporary: Anthropogenic Table of Elements in Cultural Anthropology*, July, <https://culanth.org/fieldsights/strontium>.
2018. “Women Radiobiologists and ‘Standard Man’.” *Lady Science*, no. 44 (May), <https://thenewinquiry.com/blog/women-radiobiologists-and-standard-man/>.

## BOOK CHAPTERS

2022. “Strontium.” *An Anthropogenic Table of Elements: Experiments in the Fundamental*. Timothy Neale, Courtney Addison, and Thao Phan, eds. University of Toronto Press.
2019. “Carnivorous Anatomies: Art and Being Beasts.” *Reconfiguring Human, Nonhuman and Posthuman in*

*Literature and Culture*. Sanna Karkulehto, Aino-Kaisa Koistinen, Essi Varis, eds. Routledge. Shortlisted, European Society of Comparative Literature/Société Européenne de Littérature Comparée Excellence Award 2021.

2017. "A Revolution in Agricultural Affairs: Dronoculture, Precision, Capital." *The Good Drone*. Kristin Bergtora Sandvik and Maria Gabrielsen Jumbert, eds. Routledge. 129-151.

## BOOK REVIEWS

2024. "Review of *Animal as Machine*." *British Journal of the History of Science* (forthcoming).

2023. "Review of *Animals: A History*." *H-Net* (June).

2023. "Review of *Humane Professions: The Defence of Experimental Medicine, 1876-1914*." *H-Net* (June).

2021. "Review of *Sulphuric Utopias: A History of Maritime Fumigation*." *Technology and Culture* 62, no. 2 (April).

2020. "Review of *Dog's Best Friend? Rethinking Canid-Human Relations and Victorian Dogs, Victorian Men: Affect and Animals in Nineteenth-Century Literature and Culture*." *H-Net* (September).

2012. "Review of *The Origins of Deconstruction*." *The European Legacy* 17, no. 5: 687-688.

2012. "Review of *The Philosophy of Deception*." *Humana Mente* 20: 299.

## MEDIA & INTERVIEWS

"世界の大学！第12回：ニューヨークのコロンビア大学で、キノコの見分け方の今昔を学ぶ。" Hotozero.com, December 14, 2023.

"Technology And The Identification Of Mushrooms," *Bwog* (Columbia Student News), November 17, 2023.

"Lloyd Library's Newest Exhibit," *CityBeat*, August 23, 2023.

"Pig to human heart transplants are the future. Are we ready for it?" Simar Bajaj, *The Guardian*, August 4, 2022.

"Behold, Beagles," *The Order of Multitudes*, online, 2022. (Interview)

## INVITED/PUBLIC TALKS

"Mushroom Misconceptions: *Phantom Thread*." *Science on Screen*, Coolidge Corner Theater (Brookline, MA; December 11, 2023).

"How to Identify a Mushroom: Standards, Algorithms, and Expertise." School of Historical Studies' Lunchtime Colloquia, Institute for Advanced Study (Princeton, NJ; November 27, 2023).

"How to Identify a Mushroom: Standards, Algorithms, and Expertise." New York City History of Science Lecture Series (New York, NY; November 15, 2023).

"No Other Country With So Many Novelties: How Mycology Went Global." Lloyd Library & Museum (Cincinnati, OH; October 18, 2023).

"Really Man's Best Friend?" Special Collections Research Center, The University of Chicago (May 11, 2023).

"Why Beagles Smoked Cigarettes and Fungi Might Save Us: Organisms, Science, and Culture." The University of Cambridge (Cambridge, UK; January 18, 2023).

"The Malaise of Illness." *Conversations @Graham*, The University of Chicago Graham School (Online, December 1, 2022).

"Organisms in the University." *Critical Intersections* series, California Institute of Technology (Online, April 29, 2022).

"The Dog Years." *Cultures & Knowledge* series, Institute on the Formation of Knowledge, University of Chicago (Chicago, IL; November 15, 2021).

## CLASS VISITS

Animal Studies guest discussion. Instructors: Tal Arbel, Andre Uhl. The University of Chicago, February 9, 2023.

Dogs and Scientific Experimentation. Instructor: Luísa Reis Castro. USC. February 28, 2022.

## CONFERENCES

### CONFERENCE ORGANIZATION

- “Phunday.” Co-organizers: Crystal Lee, Mikey McGovern, and Jenne O’Brien (Princeton, NJ, October 21, 2017)
- “Technical Landscapes: Aesthetics and the Environment in the History of Science and Art.” Co-organizers: Leah Aronowsky and Walker Downey (Cambridge, MA, April 6-8, 2017).  
<http://mahindrahumanities.fas.harvard.edu/content/technical-landscapes-aesthetics-and-environment-history-science-and-art>.

#### PANEL ORGANIZATION

- “The Global Animal House: Placing the Infrastructure of Laboratory Supply.” Co-organizer: Anin Luo. American Historical Association Meeting (Philadelphia, PA, January 2023).
- “Mycology and its Discontents: Fungi and Category Confusion.” Co-organizer: Elaine Ayers. History of Science Society (Chicago, USA, November 2022).
- “Animals in/as Technologies.” Co-organizer: Rachel A. Ankeny. History of Science Society/Society for the History of Technology Joint Meeting (New Orleans, LA, November 2021).
- “Nonhuman Innovations, Nonhuman Disruptions.” Society for Social Studies of Science Annual Meeting (New Orleans, LA, September 2019).
- “Global Animals: Science and Technology.” Society for Social Studies of Science Annual Meeting (Sydney, Australia, September 2018).

#### CONFERENCE PRESENTATIONS

- “The Tropics of Medical Mycology: Skin, Empire, and Knowledge.” American Association for the History of Medicine (May 11-14, 2023).
- “Making Pound Dogs Experimental: Race and Labor in the UAB Animal House.” American Historical Association Meeting (Philadelphia, PA, January 2023).
- “The Global Language of Mycology: Pier Andrea Saccardo, the *Sylloge Fungorum*, and Fungal Material Culture.” History of Science Society (Chicago, USA, November 2022).
- “The Nature of the Beagle: Science, Pets, and Empire.” Harriet Ritvo Symposium (Cambridge, MA, April 2022).
- “Fungal Knowledge.” American Society for Environmental History (Eugene, OR, March 2022; travel interrupted by COVID-19).
- “The Dog in the Machine: Beagles, Computers, and Drugs.” History of Science Society/Society for the History of Technology Joint Meeting (New Orleans, LA, November 2021).
- “Multispecies Memory: Alzheimer’s, Pets, and Capital.” Society for Social Studies of Science Annual Meeting (Prague, CR, August 20, 2020).
- “In the Animal House: Dogs, Rabies, and Capital in Birmingham.” Southern Association for the History of Medicine and Science (New Orleans, LA, March 5, 2020).
- “In the Animal House: Dogs, Hearts, Teeth and the Making of the University of Alabama, Birmingham.” Joint Atlantic Seminar for the History of Medicine (Cambridge, MA, October 12, 2019).
- “In Hot Blood: The Dog Days of Pharmacology.” Society for Social Studies of Science Annual Meeting (New Orleans, LA, September 5, 2019).
- “Dognitive Impairment: Alzheimer’s and Destructive Plasticity Unbounded.” Animal Research Unbound (Exeter, UK, July 15-16, 2019).
- “On Dog-Technologies and Models: Canine Subjects and Experimental Objects.” Society for Social Studies of Science Annual Meeting (Sydney, Australia, September 1, 2018).
- “The Story of Their Teeth: Brushing Beagles in Illinois and Scandinavia.” Joint Atlantic Seminar in the History of Biology (Princeton, NJ, April 8, 2018).
- “Metformin Imaginaries: Transnational Knowledge and Postcolonial Research.” History of Medicine in Southeast Asia (HOMSEA) 7 (Vientiane, Lao PDR, January 15-17, 2018).
- “Hot and Smoking Dogs: Toward a New Study of Cigarettes.” History of Science Society Annual Meeting (Toronto, Canada, November 2017).
- “Standard Men: Building the Reference Individuals of Radiation Protection (1949-Present).” Phunday (Princeton, NJ, October 21, 2017).
- “Polemic Genres: On Optimism and Pessimism.” *Polemic!* MIT History, Theory and Criticism Graduate Student Conference (Cambridge, Massachusetts, October 2017).

- “Brother Swine: Inventing the Nuclear Model Organism.” Legacies of the Manhattan Project Conference (Hanford, Washington, March 2017).
- “Dogged Experimentation and Waste: Memory, Science, and Time.” Phunday (Cambridge, MA, October 29, 2016).
- “Tasting/Testing Hogs: Cooking and Consumption as Science.” 20th Annual CLIFF Conference, Appetites: Discourses of Consumption (Ann Arbor, MI, March 2016).
- “Cutting Ourselves Apart: Learning the Human via the Pig.” Reconfiguring Human and Non-human (Jyväskylä, Finland, Oct 29, 2015).
- “The Parallax Drone: Capital, Desire, Technology.” Žižek Studies Conference (Cincinnati, OH, 2014).
- “The Military-Oenology Complex: Precision Farming and Homo Dronomicus.” As Above, So Below (Lincoln, United Kingdom, 2014).

### *CHAired PANELS*

- “Animal Knowledge Farther Afield: Menageries, Breeding Colonies, and Cities in the History of Animal Science.” Organizer: Brigid Prial. History of Science Society (Chicago, USA, November 2022).

### *INVITED COMMENTS*

- Commentator, “Zoonotic Media,” Society for Cinema and Media Studies conference (Chicago, IL, April 2022).
- Comment on “Where Did Heisenberg’s Quantum Mechanics Come From?” by Yu Qiao. Phunday (Cambridge, MA, September 28, 2019).
- Comment on “The Object of Secret Science: Plant Hormone Herbicides and the Second World War” by Alison McManus. Phunday (Cambridge, MA, October, 2018).

### *INVITED WORKSHOPS*

- “Knowing Through Animals,” The Center for Science and Society at Columbia University, (New York, NY, February 2, 2019).
- “Anthropocene Campus Melbourne,” University of Melbourne (Melbourne, AU, September 3-6, 2018).

## **TEACHING**

### *FULL COURSES*

- “Gaming History.” (co-taught with Katherine Buse and Isabel Gabel) The University of Chicago (Chicago, IL). Winter 2023.

Course covers the history of gaming and game media (board, video, etc) and explores games both as a methodology for historical/STS inquiry and a central component of contemporary public historical pedagogy. Students are invited to envision and, optionally, create a game concept that reimagines historical forces.

- “The Malaise of Illness: Reading *The Magic Mountain* During COVID.” The University of Chicago, Graham School (Chicago, IL). Winter 2023.

General interest course to read and discuss the novel along with short selections from the history of science and medicine. We explore what Mann’s work tells us about our own time of lingering illness and social upheaval.

- “How to Stop Worrying and Learn to Plan and Write a Book (About Fungi).” The University of Chicago (Chicago, IL). Autumn 2022.

Course introduces undergraduate students in the Inquiry and Research in the Humanities (IRHUM) program to cross-disciplinary historical/STS methods, using the history of mycology as a case study, in planning and carrying out an extended research project. Classes cover project planning, research strategies, archival visits, writing styles, and more.

- “Gaming History.” (co-taught with Katherine Buse) The University of Chicago (Chicago, IL). Spring 2022.

Course covers the history of gaming and game media (board, video, etc) and explores games both as a methodology for historical/STS inquiry and a central component of contemporary public historical pedagogy. Students are invited to envision and, optionally, create a game concept that reimagines historical forces.

“Knowing Animals.” The University of Chicago (Chicago, IL). Winter 2022.

Course, designed for MA candidates, introduces students to methodologies and recent texts in animal history, multispecies ethnography, and more, pairing them with novels and films to explore the foundational questions of animal studies: What is an animal? And are we them?

#### *SHORT COURSES*

“The Story of Our Teeth: A Cultural History.” January@GSAS, Harvard University (Cambridge, MA, January 14-25, 2019)

Micro-course covering the history of dentistry as well as the cultural connotations and significance of teeth in mythology, literature, and philosophy.

#### *TEACHING FELLOW*

“Off-Cycle Junior Tutorial” research seminar (HS98). Harvard University (Spring 2020)

Led independent instruction in how to design and carry out a history of science/STS project during off-cycle course, restructured syllabus, crafted Zoom teaching exercises, and developed final paper projects.

“Junior Tutorial” research seminar (HS98). Two sections. Course head: Rebecca Lemov. Harvard University (Fall 2019)

Introduction to major concepts in the History of Science/STS as well as historiography, methods of archival practice, and approaches to writing and narrative.

“Animals in History” (HS137). One section. Course heads: Janet Browne, Rebecca Lemov. Harvard University (Spring 2019).

Survey course covering the history of human and nonhuman animals from Aristotle to the present. Course featured an emphasis on relations between culture, environment, and science. Duties included short lectures.

“The Empire Strikes Back: Science Fiction, Religion and Society” (HS192). Two sections. Course heads: Ahmed Ragab, Sophia Roosth. Harvard University (Fall 2018).

Survey course covering history and science fiction, with a particular emphasis on the history of science. Course featured sections on biotechnology, oil and natural resources, feminist and critical race theory, and more.

“Junior Tutorial” research seminar (HS98). One section. Course head: Rebecca Lemov. Harvard University (Fall 2018)

See above.

#### *UNDERGRADUATE ADVISING*

Outside Reader. Undergraduate Thesis Project. Harvard University (2023).

College Summer Institute Project Leader. Research Associates: Liviu Megherea; Sammy Zimmerman.

Projects: “Extinction, Endangerment, and Threat”; “Will the Next Pandemic Be Fungal?” College Center for Research and Fellowships, the University of Chicago (2023).

Quad Faculty Research Grant. Two student researchers. Project: “Mycology’s History.” College Center for Research and Fellowships, the University of Chicago (2022-2023).

College Summer Institute Project Leader. Research Associate: Marina Takara. Project: “The Emergence of Global Mycology.” College Center for Research and Fellowships, the University of Chicago (2022).

House Advisor for History of Science in Kirkland, Eliot, Winthrop, and Lowell Houses, Harvard University (2018-2021).

Senior Thesis (HS99). Chris Nmai, “Lights, Camera... Distraction?: A Comparative History of Mental Health Representations in 20th and 21st Century Film, Television, and Music,” Harvard University (2019-2020).

Senior Thesis (HS99). Hyukjoo Hwang, “Justice for Pharmaceutical Orphans: The Emergence of the Orphan Drug Act of 1983,” Harvard University (2018-2019).

#### *GRADUATE ADVISING*

MA Advising and Support. MA Program in the Social Sciences (MAPSS), Concentration on the Formation of Knowledge. The University of Chicago (2021-2023).

## *PEDAGOGICAL TRAINING*

“Course Design and College Teaching.” Autumn 2021. The University of Chicago.

“Fall Teaching Conference.” Autumn 2017/2018. Harvard University.

## **MUSEUM AND CURATORIAL**

### *CURATORIAL*

“Dog Fight: The Animal Experimentation Debate in Twentieth-Century Chicago,” with Zoë Lescaze.

Exhibit at the Hanna Holborn Gray Special Collections Research Center, University of Chicago (Chicago, IL, May-September 2023).

Proposal, planning, and design for exhibit on the history of Chicago’s Arvey Ordinance and the impact of antivivisectionist politics on local universities and the city.

Panel: “Dog Fight: Panel Discussion.” Talks by Zoë Lescaze, Brad Bolman, Allison Ostdiek, and Michael Rossi; moderated by Robert Richards. Special Collections Research Center, University of Chicago (May 11, 2023).

### *ADVISORY*

“A Foray Into Fungi.” Exhibit at the Lloyd Library & Museum (Cincinnati, OH, August-November 2023).

## **EDITORIAL**

### *JOURNAL/MAGAZINE*

Founding Associate Editor, *The Drift* (2020-2022); Contributing Editor (2022-)

### *PEER REVIEW*

Journals: *British Journal for the History of Science*; *History and Philosophy of the Life Sciences*; *Journal of World History*; *Science, Technology & Human Values*; *Social Studies of Science*; *Studies in History and Philosophy of Science*; *Thresholds (MIT)*.

Publishers: Polity Press; University of Chicago Press.

## **SERVICE**

### *PROFESSIONAL SERVICE*

Communications Officer, Graduate and Early Career Caucus (GECC), History of Science Society (2023–)

### *UNIVERSITY SERVICE*

Faculty Affiliate, Committee on the Historical and Conceptual Studies of Science (CHSS)

Faculty Affiliate, Department of History

Fullbright Interview Committee, College Center for Research and Fellowships, University of Chicago (2022)

### *DEPARTMENTAL SERVICE*

Organizer, Lecture Techniques Workshop, School of Historical Studies, Institute for Advanced Study (2023)

Organizer, Postdoc Research Group, IFK, The University of Chicago (2022-2023)

Co-founder/organizer, Anthropology of Science and Technology Group, Harvard University (2018-2020)

Co-organizer, Modern Science Working Group, Harvard University (2017-2018)