

# Gabriel Finkelstein

## Education

Princeton University	1996	Ph.D.	History
Amherst College	1985	B.A.	Physics

## Appointments

2006–present	Associate Professor of History, University of Colorado Denver
2022	Fellow, Institut des Maladies Neurodégénératives, Université de Bordeaux
2007–2008	Fellow, Center for the Humanities and the Arts, University of Colorado Boulder
1999–2006	Assistant Professor of History, University of Colorado Denver
1998–1999	Lecturer, Department of History, Princeton University
1997–1998	Visiting Assistant Professor, Center for Cultural Studies of Science, Technology, and Medicine, University of California, Los Angeles
1997	Postdoctoral Fellow, Institut für Wissenschaftsgeschichte, Georg-August Universität, Göttingen
1996	Adjunct Professor, Department of History and Sociology of Science, University of Pennsylvania

## Book

2013 *Emil du Bois-Reymond: Neuroscience, Self, and Society in Nineteenth-Century Germany*. Cambridge; London: The MIT Press (160k words)

- Shortlisted, 2014 BSHS Pickstone Prize (Britain's most prestigious award for books in history of science)
- Best Books of 2014, Science Books & Films, AAAS
- Honorable Mention, 2013 PROSE Awards (The American Publishers Awards for Professional and Scholarly Excellence), History of Science, Medicine, and Technology
- Favorite History of Science Book of 2013, *Spontaneous Generations*, University of Toronto
- Best Books of 2024, History of Physiology, The Hawaii Project
- Discussed by
  - The Guardian*, 17 November 2014
  - The Scientist*, November 2014
  - New Books Network*, 14 January 2014
  - Scientific American*, 7 November 2013, 4 August 2014, and 1 September 2015
  - Il Sole 24 Ore*, 25 September 2016
  - The MIT Press Reader*, *Scientific American Observations*, *Digg.com*, *RealClearScience*, *PLOS Cognitive Neuroscience*, *Muck Rack*, *Redef*, *Forbidden Histories*, *Science Book a Day*, *Historien.nes de la santé*, *Spannungsfeld*, *Psychiatry at the Margins*, *Reddit*, and other blogs
- Reviewed in nine periodicals (*Liens-Socio*, *Metascience*, *Journal of the History of the Neurosciences*, *Centaurus*, *German History*, *Isis*, *Central European History*, *NTM*, and *The Quarterly Review of Biology*)
- Altmetric score of 104
- 5.0 out of 5 Stars on *Amazon.com*      2100 copies sold

## Refereed Articles and Chapters

- 2023 “Paris or Berlin? Claude Bernard’s Rivalry with Emil du Bois-Reymond.” *History and Philosophy of the Life Sciences* 45, no. 2 (June). *Altmetric score 4. Impact factor 1.45. CiteScore 1.4.*
- 2020 “du Bois-Reymond, Emil Heinrich (1818–96).” *Bloomsbury Encyclopedia of Philosophers*, ed. Jade Grogan and Christopher Adair-Totef. London: Bloomsbury Publishing.
- 2019 “Haeckel and du Bois-Reymond: Rival German Darwinists.” *Theory in Biosciences* 138, no. 1 (May): 105–112. *Altmetric score 6. Impact factor 1.66. CiteScore 2.4.*
- 2019 “Darwin and Neuroscience: The German Connection.” *Frontiers in Neuroanatomy* 13, no. 33 (March): 1–3. *Altmetric score 3. 4397 views and downloads. Impact factor 2.9. CiteScore 5.0. Frontiers in Neuroscience is the most cited journal series in neuroscience.*
- 2016 “Response to Richards.” *Debates in Nineteenth-Century European Philosophy: Essential Readings and Contemporary Responses*. Ed. Kristin Gjesdal. New York; London: Routledge, 226–230. *Altmetric score 6.*
- 2015 “Mechanical Neuroscience: Emil du Bois-Reymond’s Innovations in Theory and Practice.” *Frontiers in Systems Neuroscience* 9, no. 133 (30 September): 1–4. *Altmetric score 4. Impact factor 3.0. CiteScore 5.0. 13,022 views and downloads. Frontiers in Neuroscience is the most cited journal series in neuroscience. Article has more views than 90% of all Frontiers articles.*
- 2015 “The Mountains and the Sea: Travel as Discovery in the Lives of Emil du Bois-Reymond and Ernst Haeckel.” *Chronica Mundi* 9, no. 1, 182–192.
- 2014 “Emil du Bois-Reymond’s Reflections on Consciousness.” In *Brain, Mind, and Consciousness in the History of Neuroscience*, ed. Chris Smith and Harry Whitaker, ch. 10, 163–184. Dordrecht; Heidelberg; New York; London: Springer. *Altmetric score 1.*
- 2014 “Emil du Bois-Reymond on ‘The Seat of the Soul.’” *Journal of the History of the Neurosciences* 23, no. 1 (January–March): 45–55. *612 views on Taylor & Francis Online. Altmetric score 7. Shared by @Routledgepsych (97K followers). Impact factor 0.56. CiteScore 0.7.*
- 2012 “Autorité rhétorique : Claude Bernard et Émile du Bois-Reymond.” In *Les élèves de Claude Bernard : Les nouvelles disciplines bernardiennes au tournant du XX<sup>e</sup> siècle*, ed. Jean-Gael Barbara and Pierre Corvol, 173–192. Paris: Éditions Hermann
- 2011 “Matteucci and du Bois-Reymond: A Bitter Rivalry.” *Archives Italiennes de Biologie: A Journal of Neuroscience* 149, no. 4 (December): 29–37. *Impact factor 1.42. CiteScore 2.3.*
- 2006 “Emil du Bois-Reymond vs Ludimar Hermann.” *Comptes Rendus Biologies* 329, nos. 5–6 (May–June): 340–347. *810 views on ScienceDirect. Altmetric score 3. Impact factor 2.75. CiteScore 4.5. Cited twice in Wikipedia.*
- 2003 “M. du Bois-Reymond Goes to Paris.” *British Journal for the History of Science* 36, no. 3 (September): 261–300. *Required reading by two historians of science. Impact factor 0.44. CiteScore 0.9.*

- 2001 “Romanticism, Race, and Recapitulation.” *Science* 294, no. 5549 (7 December): 2101–2102. *Required reading by two historians of science. 15k views. Altmetric score 3. Impact factor 63.8. CiteScore 61.1.*
- 2000 “‘Conquerors of the Künlün’? The Schlagintweit Mission to High Asia, 1854–57.” *History of Science* 38, pt. 2, no. 120 (June): 179–218. *Sourced in four exhibitions. Required reading for a history of geography seminar. Altmetric score 3. Impact factor 0.792. CiteScore 1.3.*
- 2000 “The Ascent of Man? Emil du Bois-Reymond’s Reflections on Scientific Progress.” *Endeavour: Review of the Progress of Science* 24, no. 3 (September): 129–132. *“Highly Cited” on Impactstory.org (88% of 2000 articles). Impact factor 0.6.*
- 2000 “Why Darwin was English.” *Endeavour: Review of the Progress of Science* 24, no. 2 (June): 76–78. *Required reading for a history of science seminar. 17 reprint requests from 12 countries. 2032 views on Mendeley. A most downloaded article from Endeavour. Impact factor 0.6.*
- 1998 “Headless in Kashgar.” *Endeavour: Review of the Progress of Science* 23, no. 1 (March): 5–9. *Altmetric score 1.*

### **Publications in Refereed Conference Proceedings**

- 2004 “Marriage and Science in Nineteenth Century Berlin: Emil du Bois-Reymond’s Correspondence with Jeannette Claude.” In *La Mediazione matrimoniale: Il Terzo (in)comodo in Europa fra Otto e Novecento*, ed. Bruno P. F. Wanrooij, 195–219. Biblioteca di Storia sociale, 32. Fiesole: Georgetown University; Rome: Edizioni di Storia e Letteratura
- 2001 “Vom Vorzug der Rückständigkeit.” In *Darwinismus und/als Ideologie*, ed. Uwe Hoßfeld and Rainer Brömer, 109–115. *Verhandlungen zur Geschichte und Theorie der Biologie*, vol. 6. Berlin: VWB—Verlag für Wissenschaft und Bildung. (German version of “Why Darwin was English”) [www.vwb-verlag.com/Katalog/m384.html](http://www.vwb-verlag.com/Katalog/m384.html)
- 2000 “Kultur-Evolution bei Emil du Bois-Reymond.” In *Evolutionsbiologie von Darwin bis heute*, ed. Rainer Brömer, Uwe Hoßfeld, and Nicolaas A. Rupke, 131–135. *Verhandlungen zur Geschichte und Theorie der Biologie*, vol. 4. Berlin: VWB—Verlag für Wissenschaft und Bildung. (German version of “The Ascent of Man”) <https://www.geschichte-der-biologie.de/publikationen/verhandlungen-zur-geschichte-und-theorie-der-biologie/verhandlungen-band-4/>

### **Book Reviews**

- 2022 Review of Frank W. Stahnisch, *A New Field in Mind: A History of Interdisciplinarity in the Early Brain Sciences*. Montreal & Kingston; London; Chicago: McGill–Queen’s University Press, 2020. *Central European History* 55, no. 3 (September): 447–448.
- 2021 Review of Stephen Gaukroger, *Civilization and the Culture of Science: Science and the Shaping of Modernity, 1795–1935*. Oxford: Oxford University Press, 2020. *European Journal of Philosophy* 29, no. 1 (March): 256–259

- 2020 Review of M. Norton Wise, *Aesthetics, Industry, and Science: Hermann von Helmholtz and the Berlin Physical Society*. Chicago; London: University of Chicago Press, 2018. *German History* 38, no. 1 (March): 141–142
- 2018 Review of Laura Meneghello, *Jacob Moleschott—A Transnational Biography: Science, Politics, and Popularization in Nineteenth-Century Europe*, Bielefeld: Transcript-Verlag, 2018. *Isis* 109, no. 4 (December): 874–875
- 2017 Review of *The Early History of Embodied Cognition 1740–1920. The Lebenskraft-Debate and Radical Reality in German Science, Music, and Literature*, ed. John A. McCarthy; Stephanie M. Hilger; Heather I. Sullivan; Nicholas Saul, Leiden: Brill, 2016. *Isis* 108, no. 1 (March): 200–201
- 2013 Review of *Wissenschaftsatlas of Heidelberg University: Spatio-Temporal Relations of Academic Knowledge Production*, ed. Peter Meusburger and Thomas Schuch, Knittlingen: Verlag Bibliotheca Palatina, 2012. *Isis* 105, no. 2 (June): 418–419
- 2011 Review of Russell Stannard, *The End of Discovery: Are We Approaching the Boundaries of the Knowable?* Oxford; New York: Oxford University, 2010. *Journal of Scientific Exploration* 25, no. 4: 838
- 2009 Review of Karl Clausberg, *Zwischen den Sternen: Lichtbildarchive: Was Einstein und Uexküll, Benjamin und das Kino der Astronomie des 19. Jahrhunderts verdanken*, Berlin: Akademie Verlag, 2006. *Isis* 100, no. 1 (March): 171
- 2005 Review of Daniel P. Todes, *Pavlov's Physiology Factory: Experiment, Interpretation, Laboratory Enterprise*, Baltimore: Johns Hopkins, 2002. *Journal of the History of the Neurosciences* 14, no. 1 (March): 70–71
- 2002 Review of Michel Meulders, *Helmholtz, des lumières aux neurosciences*, Paris: Editions Odile Jacob, 2001. *Journal of the History of the Neurosciences* 11, no. 3 (September): 317–319
- 1999 Review of *Gustav Magnus und sein Haus. Im Auftrag der Deutschen Physikalischen Gesellschaft*, ed. Dieter Hoffmann, Stuttgart: Verlag für Geschichte der Naturwissenschaften und der Technik, 1995. *Technology and Culture* 39, no. 3 (July): 568–569

### **Non-Refereed Publications**

- 2019 “The Greatest Unknown Intellectual of the 19th Century.” *Scientific American, Opinion*, 10 November.
- 2007 “Berge von Daten. Die Obsession der Gebrüder Schlagintweit.” In *Berge, eine unverständliche Leidenschaft. Das Buch zur Ausstellung des Alpenverein-Museums in der Hofburg Innsbruck*. Ed. Phillipp Felsch, Beat Gugger, and Gabriele Rath. Tr. Susanne Costa and Christine Hetzenauer, 49–73. Vienna: Folio Verlag. (German version of “Conquerors of the Künlün?”)
- 1998 “New Perspectives on Alexander von Humboldt.” *NTM: International Journal of History & Ethics of Natural Sciences, Technology & Medicine* 6, no. 1 (December): 60.

## **Courses Taught**

### *Graduate Classes*

Biography  
 Cities in the West  
 Criticisms of Science  
 Culture  
 Decline and Loss  
 Development  
 Exploration  
 Historiography  
 Theories of Nation and State

### *Undergraduate Classes*

Core Themes in Modern Europe  
 Europe During the World Wars  
 Explorers and Exploration  
 Fin-de-siècle Europe  
 History of Biology  
 History of Modern Science  
 History of Nuclear Weapons  
 History of Science, Plato to NATO  
 History Seminar  
 Mind and Malady: A History of Mental Illness and Its Treatment  
 Modern Europe  
 Modern France  
 Modern Germany  
 Nineteenth Century Europe  
 Postwar Germany  
 Theory and Practice of History  
 Travel Stories: History of Ethnography  
 Weapons of Mass Destruction: Uses in History and Effects on Public Health  
 World at War  
 World History Since 1500

### *Independent Studies*

Dictators  
 German Cultural History  
 German Military History  
 History of Anthropology  
 History of Astronomy  
 History of Finance  
 History of Medicine  
 History of Mountaineering  
 History of Neuroscience  
 History of Penal Systems  
 History of Physics  
 History of Race  
 History of Quantum Mechanics  
 History of Scandinavia  
 Marx and the Nineteenth Century

Modern Austria  
 Modern Maritime Travel  
 Science in the Renaissance  
 World History (Curriculum Development)

### **Conferences and Talks**

#### *Panels Organized*

- 2014 “Shrinkage and Its Discontents: The Future of Germany’s Pre-1914 Past.” (With Andre Wakefield). German Studies Association Annual Meeting, Kansas City, 19 September.  
 Paper delivered: “Disciplinary Irredentism.”
- 2012 “Natural History in Central Europe, from Cameralism to Genetics.” History of Science Society Annual Meeting, San Diego, 17 November.  
 Paper delivered: “The First German Darwinist.”
- 2007 “The End of Science.” History of Science Society Annual Meeting, Alexandria, 2 November.  
 Paper delivered: “Emil du Bois-Reymond and the End of Science.”
- 2001 “Daily Life in Nineteenth Century European Science.” History of Science Society Annual Meeting, Denver, 9 November.  
 Paper delivered: “‘The More Civilized a Nation Is, the Smaller the Rooms’: Daily Life Through the Eyes of Emil du Bois-Reymond.”
- 2001 “The *Kulturkampf* as Historical Springboard.” German Studies Association 25<sup>th</sup> Anniversary Annual Conference, Washington, D.C., 5 October.  
 Paper delivered: “Science as *Kulturkampf*.”
- 1998 “Modern Scientific Exploration.” History of Science Society Annual Meeting, Kansas City, 23 October.  
 Paper delivered: “Headless in Kashgar.”

#### *Invited Lectures*

- 2024 “Emil du Bois-Reymond as Educator: How a Neurophysiologist Sparked Innovations in Research, Teaching, History, and Philosophy.” Keynote speaker, panel chair, and judge. 33<sup>rd</sup> edition of the History of Medicine Days, The University of Calgary, 15–16 March.
- 2023 “Android Frogs: The Origins of Neuroscience in Electrical Engineering.” Department of Electrical Engineering, University of Colorado Denver, 14 November
- 2022 “Old is New: The Example of Emil du Bois-Reymond.” Ethics and Political Philosophy in German-Speaking Lands around 1900, Institute Vienna Circle & Department of Philosophy, University of Vienna, 24 June.
- 2022 “French Roots of Electrophysiology.” Institut des Maladies Neurodégénératives, Université de Bordeaux, 25 March.

- 2022 “Contrasting Views of Darwin: Haeckel and du Bois-Reymond.” Life-Philosophies: Exploring Heterodox Naturalism, Online Seminar, Ghent University, 23 February.
- 2021 “Darwinian Trolls.” University of Colorado Denver Department of Philosophy Colloquium Series, 9 March.
- 2021 “Emil du Bois-Reymond. Lezioni su La filosofia della mente prima della filosofia della mente: il dibattito ottocentesco sul rapporto mente-corpo.” Dipartimento di Studi Umanistici, Università degli Studi di Napoli Federico II, 24 February.
- 2020 “Just Noticeable Differences in Neuroscience and Society: The Case of Emil du Bois-Reymond,” 36<sup>th</sup> Annual Meeting of the International Society for Psychophysics, Fechner Day 2020, 19 October.
- 2020 “Scientific History: More or Less Certain?” Histories of Uncertainty, University of Colorado Denver fall lecture series, Denver, 9 October.
- 2020 “Pandemics in History.” Covid-19: Colorado and Beyond, University of Colorado Denver summer lecture series, Denver, 17 June.
- 2019 “Darwin and Neuroscience: The Medical Context of Natural Selection in Nineteenth-century Germany.” Center for Bioethics and Humanities, University of Colorado Anschutz Medical Campus, Aurora, 21 October.
- 2019 “The Intellectual Origins of the *Ignorabimus*.” Mechanism, Life, and Mind in the “Modern” Era. Roma Tre, Dipartimento di Studi Umanistici, Sala del Consiglio via Ostiense, 234, Rome, 16 April.
- 2018 “The Non-Humboldtian Revolution in Botany.” History of Science Society Annual Meeting, Seattle, 3 November.
- 2017 “The Men Who Would Be King.” German Studies Association Annual Meeting, Atlanta, 8 October.
- 2015 “The Arc of the Unknown: Reflections on the Life of Emil du Bois-Reymond, Pioneer in Neuroscience.” University of New England, Biddeford, Maine, 22 October.
- 2014 “Vesalius at 500.” Health Sciences Library, University of Colorado Anschutz Medical Campus, Aurora, 19 November.
- 2014 “The Neuroscientific Origins of Modern Culture.” Plenary Presentation, Center for Bioethics and Humanities, University of Colorado School of Medicine, Aurora, 10 November.
- 2014 “The Limits of Physics: A View from the Greatest Forgotten Intellectual of the Nineteenth Century.” Department of Physics and Astronomy, Amherst College, Amherst, 9 September.

- 2014 “Neuroscience as the Basis of Modernity: The Case of Emil du Bois-Reymond.” Center for Neuroscience, School of Medicine, University of Colorado Anschutz Medical Campus, Aurora, 11 February.
- 2013 “The Most Important Forgotten Nineteenth-Century Intellectual.” Department of History and Philosophy of Science, University of Indiana, Bloomington, 15 November.
- 2010 “Money in the German-Speaking Lands: A Roundtable Discussion of *The Disordered Police State* by Andre Wakefield.” German Studies Association Annual Conference, Oakland, 9 October.
- 2010 “Matteucci and du Bois-Reymond: A Bitter Rivalry.” From Carlo Matteucci to Giuseppe Moruzzi: Two Centuries of European Physiology. A Satellite of the 15<sup>th</sup> Annual Meeting of the International Society for the History of the Neurosciences, Villa di Corliano, Pisa, 22 June.
- 2009 “A Fine Balance: The Cultural Implications of Indirect Measurement.” XXIII International Congress of History of Science and Technology: Ideas and Instruments in Social Context, Budapest, 31 July.
- 2009 “Autorité rhétorique: Claude Bernard et Emile du Bois-Reymond.” Conference: “Les élèves de Claude Bernard: continuité de pensée et évolutions disciplinaires,” Collège de France, Paris, 30 March.
- 2008 “The Mountains and the Sea: Leisure as Discovery in the Lives of Müller and His Students.” Conference: “Müllers Vision: Das wissenschaftliche Vermächtnis des Naturforschers Johannes Müller,” Hermann-von-Helmholtz Zentrum für Kulturtechnik/Max-Planck-Institute for History of Science, Berlin, 11 October.
- 2005 “Alexander von Humboldt’s Three Worlds, or Reflections on the Scientific Revolution.” Graduate Institute of the Liberal Arts and Department of Neuroscience and Behavioral Biology, Emory University, Atlanta, 3 February.
- 2004 Commentator on papers by Langdon Winner. Colorado Scholars in the Studies of Science, Technology, and Medicine. University of Colorado, Boulder, 14 April.
- 2004 “Why Darwin Had To Be English.” University of Colorado Health Sciences Center Arts in Medicine Series, Denver, 2 February.
- 2003 Invited to participate in “Correspondence and History of Biology (18<sup>th</sup>–20<sup>th</sup> Centuries),” Centre Alexandre Koyré, Muséum National d’Histoire Naturelle, Université Paris I-Sorbonne, Paris, 24–26 September. (Conference cancelled.)
- 2002 “The Frog Doctor: Science, Medicine, and the Humanities in Nineteenth-Century Berlin.” Linda and Charles Wilson Humanities in Medicine Program lecture, University of Nebraska, Lincoln, 30 October.
- 2002 “Does God Play Dice? Roger Penrose, Quantum Consciousness, and the Debate Over the Limits of Science.” Conference: “Science and Religion: The Religious



- Beliefs and Practices of Scientists—20<sup>th</sup> Century,” Institut für Wissenschaftsgeschichte, Georg-August-Universität, Göttingen, 28 May.
- 2001 “Headless in Kashgar—A Lost Tale of Adventure.” Denver Museum of Nature and Science, Denver, 18 September.
- 1999 “Der Vorteil von Rückständigkeit.” Conference: “Darwinismus und/als Ideologie,” Universität Regensburg, Regensburg, 18 March.
- 1998 “Sensational Science.” Department of History of Science, Harvard University, Cambridge, 1 April.
- 1997 “Kultur-Evolution bei Emil du Bois-Reymond.” Conference: “Evolutionsbiologie von Darwin bis heute,” Institut für Wissenschaftsgeschichte, Göttingen, 5 December.

*Conference Presentations*

- 2024 “La médecine épicurienne: les grenouilles comme organismes modèles chez Emil du Bois-Reymond.” XXIX<sup>e</sup> Journées de la Société d’Histoire et d’Épistémologie des Sciences de la Vie: Expérimenter sur l’animal pour comprendre et soigner les humains. Tours, 31 May.
- 2017 “Big History: Buckle, Taine, and du Bois-Reymond.” American Historical Association Annual Meeting, Denver, 7 January.
- 2015 “Scientific Celebrity: The Paradoxical Case of Emil du Bois-Reymond.” History of Science Society Annual Meeting, San Francisco, 20 November.
- 2015 “Heroic Scientific Biography.” Society for Social Studies of Science (4S), Annual Meeting, Denver, 13 November.
- 2011 “*In Proportion as You Understand the Man, and Only So, Will You Begin to Understand the Elements in Which He Worked*: New Findings from the Biography of Emil du Bois-Reymond.” Conference: “The Relation(s) between Physics and Metaphysics in the Nineteenth Century,” Universiteit Gent, 10 August.
- 2010 “Goethe und kein Ende.” German Studies Association Annual Conference, Oakland, 8 October.
- 2009 “Why Darwin Was English.” Symposium “Darwin’s Magnificent Legacy: Evolution in 2009.” University of Colorado Denver—Metro State College of Denver Darwin Bicentennial Birthday Celebration, 12 February.
- 2008 “Faith in Reason? Du Bois-Reymond’s Historiography.” Center for Humanities and the Arts, University of Colorado, Boulder, 6 March.
- 2007 “Henrik Steffens and *Anthropologie*.” German Studies Association Annual Conference, San Diego, 6 October.
- 2007 “Science and Cultural History: Reflections on an Address by Emil du Bois-Reymond.” Conference: “Varieties of Cultural History: Theory and Practice in the

- Cultural Histories of Medicine, Science, Literature, and the Arts,” King’s College, University of Aberdeen, 5–8 July.
- 2005 Chair and commentator on panel “Ages of Art: Schiller, Bataille, and Benjamin.” European Studies Conference, University of Nebraska, Omaha, 7 October.
- 2005 “The Limits of Science: Roger Penrose, Quantum Consciousness, and Smart Robots.” 20<sup>th</sup> Regional Conference on the History and Philosophy of Science: “Science and Values,” University of Colorado, Boulder, 2 April.
- 2003 “‘We Must Cultivate Our Garden’: Wörlitz as Paradise and Inspiration.” American Historical Association, Chicago, 3 January.
- 2002 “‘*Keiner weiß, wie es unter eines anderen Hut aussieht*’: Marriage and Science in Nineteenth-Century Berlin.” Conference: “*Il Terzo (In)comodo* (The Third Partner): Mediation in Marriages in Italy and in Europe (19<sup>th</sup> and 20<sup>th</sup> Centuries),” Center for the Study of Italian History and Culture, Georgetown University, Villa le Balze, Fiesole (Florence), 7–8 March.
- 2000 “Henrik Steffens, *Naturphilosophie*, and the German Invention of Race.” Conference: “The German Invention of Race,” Harvard University, Cambridge, 6 May.
- 2000 “Maps and Tales: National Styles in Nineteenth Century Narratives of Exploration.” Conference: “Ways of Seeing: The Nineteenth Century.” Interdisciplinary Nineteenth Century Studies/The University of Paris-X, Nanterre, 23 June.
- 1998 Commentator on “Brown-Sequard and the Pain Pathway in the Spinal Cord” (Michael Aminoff) and “From Soma to Polis: Pain and Suffering in Modern German National Identity” (Gregory Eghigian). Symposium on “Pain and Suffering in History,” University of California, Los Angeles, 13 March.
- 1997 “M. du Bois-Reymond Goes to Paris.” Center for the Cultural Studies of Science, Technology, and Medicine, University of California, Los Angeles, 15 October.
- 1997 “Humboldt’s Children: The Brothers Schlagintweit in High Asia.” The University of California and Stanford History of Science Workshop, University of California, Santa Barbara, 4 October.
- 1996 “Science and Nationalism in Nineteenth Century Germany.” University of Pennsylvania History and Sociology of Science Department, Philadelphia, 18 May.
- 1991 “Emil du Bois-Reymond’s Grudge against the French.” Berlin Program Seminar, Berlin, 28 May.
- Guest Lectures*
- 2023 “Reality vs. Fantasy in Modern Germany.” International College Beijing, 2 November.

- 2023 “Economic History of Weimar and Nazi Germany.” International College Beijing, 26 October.
- 2023 “Science and War.” Stevens Institute of Technology, 18 October.
- 2021 “The Berlin Wall.” University of Denver, The Rise and Fall of the Berlin Wall, 15 February, 22 February, 1 March, 8 March.
- 2017 “Postwar Germany.” University of Colorado Denver, Modern Germany, 16 November.
- 2016 “Napoleon.” University of Colorado Denver, Modern France, 14 September.
- 2016 “German Immigration from the 17th to the 19th Century.” Germanic Genealogical Society of Colorado, 3 May.
- 2015 “Scientific Biography: A Booming Genre.” The Bookworm, Chengdu, 19 May.
- 2014 “Darwin and Censorship in Imperial Germany.” Faculty Research Colloquium, History Department, University of Colorado Denver, 10 October.
- 2011 “Emil du Bois-Reymond: A Biography.” The Bookworm, Chengdu, 29 May.
- 2011 “Fears of Americanization: Historical Parallels.” Consulate General of the United States, Chengdu, 18 May.
- 2011 “The Limits of Science.” Southwestern University of Finance and Economics, Chengdu, 22 April.
- 2009 “The Golem: Nationalism in Central Europe.” University of Colorado Denver, Business School, 13 January.
- 2008 “Analogy, Romanticism, and The Problem of Form.” University of Colorado Denver Medical School, Human Body Block, Denver, 23 September.
- 2007 “Limits of Science.” English Saloon, English Studies Resources Center, Sichuan University, Chengdu, 20 May.
- 2007 “Campus Gunshot and American Society.” Department of English, Sichuan University, Chengdu, 18 May.
- 2007 “The Advantages of Backwardness to Science.” Southwestern University of Finance and Economics, Chengdu, 15 March.
- 2005 “Emil du Bois-Reymond as a Public Figure: Science and Society in Imperial Berlin.” University of Colorado Denver, Walter S. Rosenberry III Colloquium, 11 October.
- 2005 “Reflections on a Frog Doctor.” University of Colorado Denver, Department of Biology, Spring Seminar Series, 18 February.

- 2004 “Biology and Medicine: From Form to Function.” University of Colorado Health Sciences Center, Medical Humanities, 30 August.
- 2004 “The Nazi Amplifier.” University of Colorado Denver, Department of History, 25 August.
- 2003 “Three Worlds, or Explaining the Scientific Revolution.” Lakewood High School, 21 November.
- 2003 “The Trials of Emil du Bois-Reymond.” Walter S. Rosenberry III Colloquium, University of Colorado Denver, 16 April.
- 2002 “Furet on the French Revolution.” University of Colorado Denver, Department of History, 1 October.
- 2002 “Explanations for Nazi Germany.” University of Colorado Denver, Department of History, 24 September.
- 2002 “Romanticism, Race, and Recapitulation.” University of Colorado Denver, Department of History, 20 February.
- 2001 “Daily Life in Nazi Germany.” University of Colorado Denver, Department of History, 12 November.
- 2001 “The Germany Economy Between the Wars.” University of Colorado Denver, Department of History, 5 September.
- 1999 “Scientific Racism.” University of Colorado Denver, Department of History, 9 November.
- 1999 “Paths to the Double Helix.” University of Colorado Denver, Department of History, 26 October.

### **Awards, Grants, Scholarships**

Keynote speaker invitation, Spring 2024, History of Medicine Days, University of Calgary  
 Fellowship, Spring 2022, Institut des Maladies Neurodégénératives, Université de Bordeaux  
 Best 2022 Topic, History of Physiology, The Hawaii Project  
 Shortlist, 2014 John Pickstone Prize, a biennial prize for the best academic book in the field  
 (awarded by the British Society for the History of Science)  
 Best Books of 2014, *Science Books and Films*, American Association for the Advancement of Science  
 Honorable Mention, History of Science, Medicine, and Technology, 2013 PROSE Awards (The  
 American Publishers Awards for Professional and Scholarly Excellence)  
 Favorite History of Science Book of 2013, *Spontaneous Generations*  
 Office of Student Life, Spring 2016, University of Colorado Denver  
 President’s Fund for the Humanities, Fall 2015, University of Colorado  
 InWorks New Interdisciplinary Course, Spring 2016, University of Colorado Denver  
 Office of Student Life, Fall 2014, University of Colorado Denver  
 Office of Student Life, Fall 2012, University of Colorado Denver  
 College of Liberal Arts and Sciences Dissemination Grant, Spring 2012, University of Colorado  
 Denver

Fellowship, 2006–2007, Center for the Humanities and the Arts, University of Colorado Boulder  
 President's Fund for the Humanities, Fall 2005, University of Colorado  
 CIBER Research Award, Summer 2002, University of Colorado Denver  
 Junior Faculty Development Award, Spring 2002, University of Colorado Denver  
 President's Fund for the Humanities, Fall 2001, University of Colorado  
 President's Fund for the Humanities, Spring 2000, University of Colorado  
 Volkswagen Postdoctoral Fellowship, Institut für Wissenschaftsgeschichte, 1997, Georg-August  
 Universität, Göttingen  
 SSRC Fellowship, Berlin Program for Advanced German and European Studies, 1990–1991;  
 extension granted 1991, Freie Universität Berlin  
 Fellowship awarded, 1990–1991, German Academic Exchange Service (DAAD)  
 Fellowship, Princeton University, 1987  
 Goethe Institute Scholarship, Berlin, 1987

### **Professional Organizations**

International Network for Theory of History  
 History of Science Society  
 International Society for the History of the Neurosciences  
 German Studies Association  
 The Biography Society

### **Service**

#### Department of History

2024	Search Committee, International College Berlin
2023	Research assessment for Dale Stahl
2023	Research assessment for Steven Vose
2022	Service assessment for Rachel Gross
2020-present	Editorial board, <i>Historical Studies Journal</i>
2019	Search Committee, East Asian historian
2019-2022	Merit Committee
2018	Scholarship Committee
2018	Research assessment for Dale Stahl
2017	Research assessment for Ryan Crewe
2017	Search Committee, History Instructor
2016–present	Marketing Committee
2016–present	Graduate Committee
2016	Search Committee chair, CU Beijing, History Instructor
2015	Research assessment for William Wagner
2014	Research assessment for Ryan Crewe
2014	Teaching report for Xiaojia Hou
2012	Research assessment for Kariann Yokota
2011–2015	Organizer, department research colloquia
2011–2012	Search Committee, International Studies director
2010–2011	Search Committee, Latin American historian
2007–2008	Search Committee, Chair, East Asian historian
2005–2006	Search Committee, Asian/Islamic historian
2003–2007	Phi Alpha Theta (National History Honors Society), Faculty Advisor
2000–2001	Search Committee, East Asian historian

## College of Liberal Arts and Sciences

2019–2021	CLAS Council
2019–2020	Post-tenure Review Committee
2012–2013	Academic Scholarship Committee
2002–2004	Educational Planning and Policy Committee

## University

2021	Documenting the Ephemeral: The Fragile Journey Stories of Migrants Who Have Crossed the Central Mediterranean and Their Story Translation to German, 25 February
2021	Migration, Borders, and Colonial Legacies: A Roundtable Discussion, 11 February
2016–2018	Global Genocide Education, Faculty Advisor
2016	Hubert Sauper, documentary filmmaker, host of visit, CU-President's Fund for the Humanities grant recipient, 3–9 April
2016	Organizer of colloquium on Weapons of Mass Destruction: World War Two and The Cold War, 16 March 2016
2015	Shawn O'Neil, musician, Office of Student Life grant recipient, 2 March 2015
2014	Meet the Authors/Writing a Successful Book Proposal, School of Public Affairs, Pre-conference workshop at ARNOVA
2013	Keith Harmon Snow, UN genocide reporter, host of visit; Office of Student Life grant recipient, Spring 2013
2010–present	European History Club, Faculty Advisor
2007–2008	International Studies Major, Advisor
2005–2007	Honors Committee (Curriculum)
2004	CU Consolidation Study Committee (Research)
2003–2011	Auraria Library Faculty Advisory Committee
2001–2005	International Studies Major, Restructuring Committee
2006	Hubert Sauper, documentary filmmaker, host of visit, CU-President's Fund for the Humanities grant recipient, 10–17 April
2005	Dirk Simon, Documentary filmmaker, visit to History 4074 class, 22 February
2003	Dr. Richard Selzer, Writer, CU-President's Fund for the Humanities grant recipient, visit to History 3032 class, 9 September
2003	Weimar Film Series (four classic films), Coordinator, Denver Film Society, StarzEncore Tivoli Theater, Office of Student Life, Phi Alpha Theta, Goethe Institute of New York, UCD History Department, March 2003
2003	Dr. Holger Mey, Executive Director and CEO, Institute for Strategic Analyses, Bonn, visit of History 4074 class arranged with American Council on Germany, Denver Warburg Chapter, 9 April
2003	Dr. Wilfried Prewo, Chief Executive, Hannover Chamber of Industry and Commerce, visit of History 4074 class arranged with American Council on Germany, Denver Warburg Chapter, 13 February
2002	Rüdiger Löwe, Journalist, Bavarian State Television, visit of History 6920 class arranged with American Council on Germany, Denver Warburg Chapter, 23 October
2003	Frank Beyer, Filmmaker, host, coordinator, and fundraiser of visit, grant recipient from StarzEncore, Office of Student Life, and Phi Alpha Theta, 3 October

- 2001 Hubert Sauper, Documentary filmmaker, host of visit; CU-President's Fund for the Humanities grant recipient, 11–21 October
- 2001 Dr. Andre Wakefield, Historian of Science, host of visit, CU-President's Fund for the Humanities grant recipient, 18–21 April
- 2000 Dr. Marcia Meldrum, Historian of Medicine, host of visit, CU-President's Fund for the Humanities grant recipient, 26–28 October
- 1999 Volkmar Schultz, Senator, German Bundestag, visit to History 3480 class arranged with American Council on Germany, Denver Warburg Chapter, 19 October
- State
- 2022–2023 Mentor, capstone projects, Denver Language School
- 2018 Northglenn High School, History exhibit competition, 27 February
- 2015 York International School, educational outreach, 10<sup>th</sup> grade, 27 October
- 2010 History Day, documentary on Berlin Wall, interview
- 2000 John J. Cory Elementary School, Denver, Colorado, educational outreach, 4<sup>th</sup> grade, 26 & 28 January, 2 February
- 2000 "The Edge" television show, Five Points Media Center, Denver, Colorado, panel guest, session on Albert Einstein, 1 February
- Professional
- 2018–present Editorial board, *Annals of the History and Philosophy of Biology*
- 2025 Peer reviewer, Cambridge University Press
- 2024 Peer reviewer, Cambridge University Press
- 2024 Referee, *Journal for General Philosophy of Science*
- 2023 Peer reviewer, W.W. Norton & Co.
- 2023 Peer reviewer, The University of Chicago Press
- 2023 Referee, *Theology and Science*
- 2022 Referee, *Interdisciplinary Science Reviews*
- 2020 Referee, *Centaurus*
- 2020 Referee, *Studies in the History and Philosophy of Science*
- 2020 Referee, *Epilepsy Research*
- 2020 Peer reviewer, Oxford University Press
- 2019 Referee, *Journal of Medical Humanities*
- 2018 Referee, *Endeavour*
- 2018 Referee, *Science in Context*
- 2017 Referee, *Science in Context*
- 2017 Referee, *Journal of Undergraduate Research and Scholarly Excellence*
- 2017 Referee, Friedrich-Schiller-Universität Jena, Ph.D. dissertation
- 2016 Referee, *Science in Context*
- 2016 Peer reviewer, University of Chicago Press
- 2016 Peer reviewer, Cambridge University Press
- 2015 Mentor, The Society for the Social Studies of Science Conference
- 2014 Peer reviewer, University of Chicago Press
- 2014 Referee, *Social History of Medicine*
- 2014 Grant reviewer, International Post-Doc Initiative of the Technische Universität Berlin (IPODI), Marie Curie Program of the European Union
- 2014 Referee, *Science in Context*
- 2014 Referee, *International Journal of English and Literature*
- 2012 Referee, Pitzer College, promotion to professor
- 2011 Referee, Texas Tech University, promotion to associate professor

2011 Referee, *Archives Italiennes de Biologie*  
 2011 Referee, *Interdisciplinary Science Reviews*  
 2009 Referee, *Centaurus*  
 2008 Grant reviewer, National Endowment for the Humanities  
 2008 Referee, *British Journal for the History of Science*  
 2006 Peer reviewer, Oxford University Press  
 2002 Committee on Meetings and Programs, History of Science Society  
 2001 Local Arrangements Chair, Annual Meeting, History of Science Society

#### Additional

2025 Interview with Joshua Richardson for the blog *Psychiatry at the Margins*  
 2023 Advisor, Routledge  
 2023 Judge, Princeton Research Day  
 2022 Interview with Ilja Bohnet, Chief Research Manager at the Helmholtz Association, for his blog *Spannungsfeld*  
 2022 Interview with Alban Belloir, Bordeaux Neurocampus  
 2019 Princeton University, alumni admissions officer  
 2015 Interview with John Horgan, writer for *Scientific American*  
 2015 Interview with George Aranda, host of “Science Book A Day”  
 2014 Interview with Carla Nappi, host of “New Books in Science, Technology, and Society”  
 2014 Interview with Stephen Casper, host of “The Neuro Times”  
 2014 Interview with Andreas Sommer, host of “Forbidden Histories”  
 2014 Interview with Jef Akst, writer for *The Scientist*  
 2004 Interview with Alpana Lath Sawai, reporter, regarding an exhibition of the Schlagintweit brothers’ photographs at The Max Mueller Bhavan (Goethe Institute), Bombay, 28 January. (“From Prussia, With Love,” *Mid-Day* (Mumbai), 2 February  
<http://mid-day.com/smd/play/2003/february/43440.htm>  
 2003 Instructor training, Law Enforcement and Society: Lessons of the Holocaust, United States Holocaust Memorial Museum, 9 August  
 2002 Teresa Deligio, philosophy student, Ateneo di Bari, Libero, Italy, advisor for license in history of science, presentation on Emil du Bois-Reymond, 25 April  
 2002–2005 School Year Abroad High School, Rennes, Zaragoza, Viterbo, Beijing, alumni admissions officer

#### Languages

English (native)  
 German (fluent)  
 French (proficient)

#### Metrics

329 Google Scholar Citations	H-Index: 9
15.2k Reads on ResearchGate	26.5k Views on Academia.edu
205 Research Interest	16.2k Views on Frontiers and PubMed