

[CV of publications, professional activities, and grants-Current-July 2018]

Current Position**Michael A. Osborne**

Professor of History of Science
Oregon State University
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Other Affiliations

- 2007-2009 Bioethics leader, Center for Stem Cell Biology and Engineering
University of California, Santa Barbara (UCSB)
- 2009- Research Professor of History and Environmental Studies, UCSB
- 2011-2012 Visiting Directeur d'recherche, École des Hautes en Sciences Sociales (Paris)
- 2011- Core Faculty, Environmental Humanities Program, OSU
- 2010- Core Faculty, Medical Humanities Program, OSU
- 2011-2014 Senior Fellow, Institut d'études avancées d'Aix-Marseille (IMéRA)

Professional Experience Previous to Current Post

- 1980 Historical Intern, National Library of Medicine, Bethesda, MD, History Division (Summer)
- 1981 Historian, Historical Office, National Aeronautics and Space Administration, Washington D.C. (Summer)
- 1987 Historian for oral and written history projects, College of American Pathologists
- 1988-90 Lecturer, History Department, University of California, Santa Barbara
- 1991-94 Assistant Professor, History Department, University of California, Santa Barbara
- 1992-2009 Joint Appointment with Environmental Studies, University of California, Santa Barbara
- 1994-95 Visiting Associate Professor, History Department, Oregon State University
- 1994-2008 Associate Professor, History and Environmental Studies, University of California, Santa Barbara
- 2008-09 Professor, History and Environmental Studies, University of California, Santa Barbara

Education

- Oregon State University, B.S., 1971 (political science and biology)
- Oregon State University, M.S., 1973 (general science, political science, history)
- University of Oregon, M.L.I.S., 1977 (library and information science)
- University of Wisconsin, Ph.D., 1987 (history of science and medicine)

Areas of Specialization

- History of Modern Biology
- European Medicine, Science, and Colonialism
- Environmental Studies
- Bioethics for Developmental Biology

Professional Organization Memberships

- American Association for the Advancement of Science
- American Association for the History of Medicine
- American Historical Association
- American Society for Environmental History
- British Society for the History of Science
- Columbia History of Science Group
- Earth and Environment Forum
- History of Science Society

International Academy of History of Science
 Pacific Circle [Commission of Division of History of Science and Technology, International Union of History
 and Philosophy of Science and Technology (DHST-IUHPST)]
 Science and Empires [Commission of DHST-IUHPST]

Publications

Books

The Emergence of Tropical Medicine in France. University of Chicago Press, 2014.

Nature, the Exotic, and the Science of French Colonialism. Indiana University Press, 1994.

Edited Volumes

Special issue of *Science, Technology, and Society* on social history of science, co-edited with Deepak Kumar, *Science, Technology, and Society*, 4 (1999): 161-378.

Articles, Chapters, Essay Reviews

1. 1985 "The System of Colonial Gardens and the Exploitation of French Algeria, 1830-1852" *Proceedings of the French Colonial Historical Society*, pp. 160-168.
2. 1990 "Battling Editors, Killing Words" [co-authored with A. J. Osborne] *The Californians*, 7: 40-44.
3. 1991 "Histories of Science, Exploration and Scientific Institutions around the Pacific Rim" [Essay Review] *Forest and Conservation History*, 35: 34-35.
4. 1991 "A Collaborative Dimension of the European Empires: Australian and French Acclimatization Societies and Inter-colonial Scientific Cooperation" *International Science and National Scientific Identity*, ed. by R. W. Home and S. G. Kohlstedt. Kluwer Academic, pp. 97-119.
5. 1992 "The Société Zoologique d'Acclimatation and the New French Empire: Science and Political Economy" *Science and Empires, A Thematic Volume of the Boston Studies in the History and Philosophy of Science*, ed. by P. Petitjean, C. Jami and A. M. Moulin. Kluwer Academic, pp. 299-306.
6. 1992 "French Military Epidemiology and the Limits of the Laboratory: The Case of Louis-Félix-Achille Kelsch" *The Laboratory Revolution in Medicine* ed. by P. Williams, A. Cunningham. Cambridge University Press, pp.189-208.
7. 1992 "Applied Natural History and Utilitarian Ideals: 'Jacobin Science' at the Muséum d'histoire Naturelle" E. A. Williams. Rutgers *Re-Creating Authority in Revolutionary France, 1789-1900*, ed. by B. T. Ragan, Jr., University Press, pp. 125-143.

8. 1996 "Agronomía Afranceada: The French contribution to Mexican agronomy, 1880-1940," [co-authored with J. Cotter] *Science, Technology, and Society*, 1: 25-49.
9. 1996 "European Visions: Science, the Tropics, and the War on Nature" *Nature et Environnement*, ed. by C. Bonneuil and Y. Chatelin. ORSTOM [Paris], pp. 21-32.
10. 1996 "Zoos in the family: The Geoffroy Saint-Hilaire clan and the three zoos of Paris" *New Worlds, New Animals: From the Menagerie to Zoological Park in the Nineteenth Century*, ed. by R. J. Hoague and W. Deiss. Johns Hopkins University Press, pp. 33-42.
11. 1996 "Resurrecting Hippocrates: Hygienic Sciences and the French Scientific Expeditions to Egypt, Morea, and Algeria" *Warm Climates and Western Medicine: The Emergence of Tropical Medicine, 1500-1900* ed. by David Arnold. Rodopi, pp. 81-99.
12. 1997 "La brebis égarée du Muséum: la Société zoologique d'acclimatation entre la guerre franco-prussienne et la grande guerre" *Le Muséum au premier siècle de son histoire*, ed. by C. Blanckaert, et alia. (*Archives du Muséum national d'Histoire naturelle*), pp. 125-153.
13. 1997 "The vagaries of acclimatization theory and transformist biology in nineteenth century France" *Jean-Baptiste Lamarck 1744-1829*, ed. by Goulven Laurent, (Éditions du Comité des travaux historiques et scientifiques), pp. 529-541.
14. 1997 "Gifford Pinchot" *Biographical Dictionary of American and Canadian Naturalists and Environmentalists*, ed. K. B. Stirling, et alia. Greenwood Press, pp. 630-633.
15. 1998 "La renaissance d'Hippocrate. L'hygiène et les expéditions scientifiques en Égypte, en Morée, et en Algérie" *L'invention scientifique de la Méditerranée: Égypte, Morée, et Algérie*, ed. M.-N. Bourguet, et alia. Éditions de l'École des Hautes Études en Sciences Sociales, pp. 185-204.
16. 1998 "The role of exotic animals in the scientific and political culture of Nineteenth century France" *Colloques d'histoire des connaissances zoologiques* 9: 15-32.
17. 1999 "Les effets paradoxaux des sciences et techniques" *Les cahiers de science et vie*, 50: 14-20.
18. 1999 "The social history of science, technoscience, and imperialism" *Science, Technology and Society*, 4: 161-170.
19. 2000 "The Geographical Imperative in Nineteenth Century French Medicine" *Medical History*, supplement 20: 31-50.
20. 2001 "Identity and distinctiveness in Nineteenth century French naval medicine" *Revue scientifique et technique de la défense* 54: 11-18.

21. 2001 "Acclimatizing the World: A History of the Paradigmatic Colonial Science" *Osiris*, 15: 601-617.
22. 2003 "Constructions and Functions of Race in French Military Medicine, 1830 to ca. 1920," [co-authored with R. Fogarty] *The Color of Liberty: Histories of Race in France*, ed. by S. Peabody, T. Stovall. Duke University Press, pp. 206-236.
23. 2003 "Views from the periphery: Discourses of Race and Place in French Military Medicine," [co-authored with R. Fogarty] *History and Philosophy of the Life Sciences*, 25: 363-389.
24. 2004 "Médecine navale" *Dictionnaire de la pensée médicale*, ed. by D. Lecourt, Presses Universitaires de France, pp. 776-782.
25. 2005 "Science in the French Empire" *Isis*, 96: 80-87.
26. 2008 "Édouard-Marie Heckel" *New Dictionary of Scientific Biography*, ed. by N. Koertge. Charles Scribners Sons. Vol. 21, pp. 272-273.
27. 2008 "Isidore Geoffroy Saint-Hilaire" *New Dictionary of Scientific Biography*, ed. by N. Koertge. Charles Scribners Sons. Vol. 21, pp. 117-120.
28. 2008 "Raphaël Blanchard, Parasitology, and the positioning of Medical Entomology in Paris" *Parassitologia*, 50 (nos. 3-4): 213-220.
29. 2009 "Nature, Technology and the Human Condition" [co-authored with C. Newell] *New Visions of Nature: Complexity and Authenticity*, ed. M. Drenthen, et alia. Springer, pp. 267-278.
30. 2009 "In Budapest: The US Consortium for the Division of History of Science and Technology," [report of activities] *History of Science Society Newsletter* 38, no. 2 (October), p. 9.
31. 2010 "Eugenics in France and the Colonies," [co-authored with R. Fogarty] *Oxford Handbook of the History of Eugenics*, ed. by P. Levine and A. Brashford. Oxford University Press. pp. 332-346.
32. 2011 "Charles Louis Alphonse Laveran" *Encyclopedia of the Life Sciences* [DOI: 10.1002/9780470015902.a0002500]
33. 2011 "Lawrence Badash, 8 May 1934 – 23 August 2010," [co-authored with P. Neushul] *Isis* 102 (September), pp. 527-529.
34. 2012 "Colonial Science, Contagion, and the Imaginarium" *Perspectives: Journal Réseau français des Instituts d'études avancées*, no. 6 (Winter-Spring), pp. 12-13.
35. 2012 "Medical Climatology in France: The Persistence of Neo-Hippocratic Ideas in the First Half of the Twentieth Century," [co-authored with R. Fogarty] *Bulletin of the History of Medicine*, 84, pp. 563-583.

36. 2017 "Parasitology, Zoology, and Society in France, ca. 1880-1920" *Biological Individuality: Integrating Scientific, Philosophical, and Historical Perspectives*, ed. by S. Lidgard and L. K. Nyhart. University of Chicago Press, pp. 206-224.
37. 2017 "Revolution, terror, contingency, and potatoes" *The Eighteenth Century: Theory and Interpretation* 58 (4): 489-495.
38. 2017 "The several meanings of global health history: the case of yellow fever" (19 pages) , *ISSUELAB* <https://www.issuelab.org/resource/the-several-meanings-of-global-health-history-the-case-of-yellow-fever.html>
39. 2018 "Animals in Circulation: the "Pre-History" of Zoos and Conservation Activities," [co-authored with Anita Guerrini] *The Ark and Beyond: the Evolution of Zoo and Aquarium Conservation*. Ed. by B. Minter, J. Maienschein, and J. Collins. University of Chicago Press, pp. 15-26.

In press, under development

- A Global History of Yellow Fever* [Book under development]
- "Frank Dutra as colleague," [In press, projected for November 2017] *Portuguese Studies Review* 21 [2] (2013)
- The End of the Golden Age* [Book under development; alpine sports and climate change in France and the USA]
- "Science in North Africa" [accepted, April, 2016, Cambridge U. Press]. *The Cambridge History of Science*, vol. 8, *Modern Science in National and International Context*, ed. by Hugh Slotten and R. L. Numbers.
- "Zebu" [in review] *Animalia: An Anti-Imperial Bestiary*, ed. Antoinette Burton and Renisa Mawani.
- "Sciences et Empires" [in copy edit, August 2018] *Annales historiques de la Révolution française*
- "Science and Medicine in the French Empire" [in development for December 2018 submission] *Routledge Handbook on Science and Empire*, Ed. Andrew Goss

Book Reviews

1. 1988 *Autobiography of Dr. Karl Ernst von Baer*, Karl Ernst von Baer, ed. by J. M. Oppenheimer *Journal of the History of Medicine and Allied Sciences*, 43: 116-117.
2. 1988 *Ecological Imperialism: The Biological Expansion of Europe, 900-1900*, Alfred W. Crosby *Journal of the History of Medicine and Allied Sciences*, 43: 994-95.

3. 1989 *Paléontologie et évolution en France de 1800 à 1860: Une histoire des idées de Cuvier et Lamarck à Darwin*, Goulven Laurent *British Journal for the History of Science*, 22: 250-252.
4. 1989 *Histoire du concept d'espèce dans les sciences de la vie*, S. Atran, *et alia* *British Journal for the History of Science*, 22: 96-97.
5. 1989 *Australian Science in the Making*, ed. R. W. Home *Archives internationales d'histoire des sciences*, 39: 381-383.
6. 1989 *Measures and Men*, Witold Kula *Isis*, 80: 504-505.
7. 1989 *Disease, Medicine, and Empire*, ed. by Roy MacLeod and M. Lewis *Historical Records of Australian Science*, 8: 39-41.
8. 1990 *Entre forme et histoire: La formation de la notion de développement à l'âge classique*, Oliver Bloch, *et alia* *British Journal for the History of Science*, 23: 221-222.
9. 1990 *The Autopsy: Medical Practice and Public Policy*, Rolla B. Hill and Robert E. Anderson *Journal of the History of Medicine and Allied Sciences*, 45: 124-126. [co-authored with James D. Barger]
10. 1991 *Aux Sources de la Biologie: L'anatomie*, Rejane Bernier *Isis*, 82: 109.
11. 1991 *Making Algeria French: Colonialism in Bone, 1870-1920*, David Prochaska *French Politics and Society*, 9: 102-105.
12. 1991 *Death by Migration: Europe's Encounter with the Tropical World in the Nineteenth Century*, Philip D. Curtin *Journal of the History of Medicine and Allied Sciences*, 46: 378-380.
13. 1991 *Fevers and Frontiers*, ed. by John Pearn and Mervyn Cobcroft *Historical Records of Australian Science*, 8: 208-209.
14. 1991 *Mad Dogs and Englishmen Went Out in the Queensland Sun*, Douglas Gordon *Historical Records of Australian Science*, 8: 208-209.
15. 1991 *Lives at Risk: Public Health in Nineteenth-Century Egypt*, LaVerne Kuhnke *Isis*, 82: 759.
16. 1992 *A Reunion of Trees: The Discovery of Exotic Plants and Their Introduction into North American and European* *Forest and Conservation History*, 36: 38.

Landscapes, Stephen A. Spongberg

17. 1993 *Bilharzia: A History of Imperial Tropical Medicine*, John Farley *Archives internationales d'histoire des sciences*, 43: 414-416.
18. 1994 *Nationalism and Internationalism in Science, 1880-1939*, Elizabeth Crawford *American Historical Review*, 99: 870-871.
19. 1994 *Explaining Epidemics and Other Studies in the History of Medicine*, Charles Rosenberg *Social History of Medicine*, 7: 148-149.
20. 1994 *Science Under Control: The French Academy of Sciences, 1795-1914*, Maurice Crosland *Archives internationales d'histoire des sciences*, 44: 253-254.
21. 1994 *Civilizing Mission: Exact Sciences and French Overseas Expansion, 1830-1940*, Lewis Pyenson *Isis*, 85: 347-348.
22. 1995 *Colonialism and Science: Saint Domingue in the Old Regime*, James E. McClellan, III *Archives internationales d'histoire des sciences*, 45: 181-182.
23. 1995 *Sciences et techniques en France meridionale*, [co-authored with Anita Guerrini] *Archives internationales d'histoire des sciences*, 45: 205-206.
24. 1995 *Gallipoli, The Medical War: The Australian Army Medical Services in the Dardanelles Campaign of 1915*, Michael Tyquin *The Historian*, 57: 842-843.
25. 1995 *French Medical Culture in the Nineteenth Century*, ed. by A. La Berge and M. Feingold *Social History of Medicine*, 8: 516-517.
26. 1995 *Les professeurs du Conservatoire National des Arts et Métiers: dictionnaire biographique, 1794-1955*, 2 vols., ed. by C. Fontanon and A. Grélon *Isis*, 86: 527-528.
27. 1995 *Environmental Politics in France*, Brian Prendiville *Capitalism, Nature, Socialism*, 24: 137-139.
28. 1996 *The Private Science of Louis Pasteur*, Gerald L. Geison *American Historical Review*, 101: 1557-1558.
29. 1996 *Suffering Made Real: American Science and the Survivors of Hiroshima*, Susan M. Lindee *Archives internationales d'histoire des sciences*, 46: 386-387.
30. 1998 *Scientific Aspects of European Expansion*, William K. Storey *Journal of World History*, 9 (Fall): 288-290.

31. 1998 *Gardens of Empire: Botanical Institutions of the Victorian British Empire*, Donal P. McCracken *Pacific Circle Bulletin*, 2 (December): 29-30.
32. 1999 *Almost a Man of Genius: Clémence Royer, Feminism, and Nineteenth-Century Science*, Joy Harvey *Journal of the History of the Behavioral Sciences*, 34, no. 4 (Fall): 434-436.
33. 1999 *Urban Forms and Colonial Confrontations: Algiers Under French Rule*, Zeynep Çelik *American Historical Review*, 104 (June): 1042.
34. 2000 *Ces animaux que l'Homme Choisit d'Inhumer. Contribution à l'étude de la Place et du Rôle de l'Animal dans les Rites Funéraires*, ed. by Liliane Bodson *Anthrozoös*, 13, no. 3: 247-248.
35. 2000 *L'expédition d'Egypte, une entreprise des Lumières, 1798-1801*, ed. by Patrice Bret *Archives Internationales d'histoire des sciences*, 145 (December): 393-394.
36. 2001 *Laboratoires du nouveau siècle: La nébuleuse réformatrice et ses réseaux en France, 1880-1914*, ed. by Christian Topalov *Isis*, 92: 614-615.
37. 2002 *Nature's Government: Science, Imperial Britain, and the "Improvement" of the World*, Richard Drayton *Journal of Interdisciplinary History*, 32: 464-465.
38. 2002 *Defeated Flesh: Medicine, Welfare, and Warfare in the Making of Modern France*, Bertrand Taithe *Bulletin of the History of Medicine*, 76: 166-167.
39. 2002 *Utopia's Garden: French Natural History from Old Regime to Revolution*, Emma C. Spary *Annals of Science*, 60: 98-99.
40. 2002 *Science, Technology and Medicine in Colonial India, 1769-1947*, David Arnold *Archives internationales d'histoire des sciences*, 51, no. 147 (December): 407-408.
41. 2003 *Virus, moustiques et modernité, la fièvre jaune au Brésil entre science et politique*, Ilana Löwy *Archives internationales d'histoire des sciences*, 55 (June-December), nos. 150-151: 326-327.
42. 2004 *Médecins voyageurs, Théorie et pratique du voyage médical au début du XIXe siècle, d'après deux textes genevois inédits: les "Memoires sur les voyages médicaux (1806-1810)" de Louis Odier et les "Carnets du voyage médical en Europe (1817-1820)" de Louis-André Gosse*, Daniela Vaj *Bulletin for the History of Medicine*, 78: 227-228.
43. 2004 *Labeling People: French Scholars on* *H-France Reviews*, May, [<http://>]

- Society, Race, and Empire, 1815-1848*, Martin S. Staum www3.uakron.edu/hfrance/reviews/osborne.html].
44. 2004 *Making Mice: Standardizing Animals for American Biological Research, 1900-1955*, Karen Rader *Journal of the American Medical Association*, 292, no. 12 (September 22-29): 1497.
45. 2006 *Regardsfully Yours, Selected Correspondence of Ferdinand von Mueller; Life and Letters of Ferdinand von Mueller*, 3 vols. ed. by R. W. Home *Annals of Science*, 63: 521-524.
46. 2007 *Lamarck, philosophe de la nature*, P. Corsi, J. Gayon, G. Gohau, S. Tirard *Journal of the History of Biology*, 40: 580-581.
47. 2012 *Mixed Medicines: Health and Culture in French Colonial Cambodia*, Sokhieng Au *French History*, 26: 414-415.
48. 2013 *Networks in Tropical Medicine: Internationalism, Colonialism, and the Rise of a Medical Specialty*, Deborah J. Neill *Social History*, 38: 252-254.
49. 2014 *Contagion: How Commence has Spread Disease*, Mark Harrison *Health Affairs*, 33 (2): 342.
50. 2014 *Figures of Medicine: Blood, Face Transplants, Parasites*, François Delaporte *Isis* 105 (3): 420-421.
51. 2014 *In the Museum of Man: Race, Anthropology, and Empire in France, 1850-1950*, Alice L. Conklin *Critical Inquiry*, 42 (2015): 223-224.
52. 2017 *Des savants pour protéger la nature: La Société d'acclimatation (1854-1960)*, Rémi Luglia *Isis*, 108 (3): 720.
53. 2018 *Diphtheria Serum as a Technological Object: A Philosophical Analysis of Serotherapy in France 1894-1900*, Jonathan Simon H-France (February).
54. 2018 *Feverish Bodies, Enlightened Minds: Science and the Yellow Fever Controversy in the Early American Republic*, Thomas A. Apel *Science and Education* 27 (1-2): 237-238.

Lectures Presented:

Year Place/Topic/Type/Coauthors (if any)

1981-82 "The system of colonial gardens and the exploitation of French Algeria, 1830-1852," French Colonial Historical Society, Northwestern University, Evanston, IL, April

- 1985-86 "Science and the new French empire," Program in the History of Science and Technology, University of Minnesota, Minneapolis, MN, February
- 1986-87 "The science of colonial hygiene and the development of Algeria during the Second Empire," Society for French Historical Studies, Minneapolis, MN, March
- "Medical geography and the political economy of colonial settlement in the new French empire," American Association for the History of Medicine, Philadelphia, PA, May
- 1987-88 "Comment et pourquoi écrire l'histoire des sociétés savantes? La neurologie de guerre en France pendant la Grande Guerre," Centre de recherche en Histoire des Sciences et des Techniques, Paris, April
- "A collaborative dimension of the European Empires: Australian and French acclimatization societies and intercolonial scientific cooperation," Conference on "Australia, America and the World of Science," University of Melbourne, Melbourne, May
- 1988-89 "The development of gynecological technology and theories of venereal disease, 1780-1850," Gender Research Group, University of California, Santa Barbara, February
- "The limits of laboratory medicine in France," University of Minnesota Medical School, Minneapolis, April
- 1989-90 "Pacific Rim organisms and French agriculture in the nineteenth century," International Congress of the History of Science, Hamburg, West Germany, August
- "Zoos in the family: The Geoffroy Saint-Hilaire clan and the three zoos of Paris," Centenary of the National Zoo, Washington, D.C., October
- "Transformist zoology and the French colonial mission: The case of the Société zoologique d'acclimatation," History of Science Society meeting, Gainesville, Florida, October
- "Applied natural history from one revolution to another," Conference on "The French Revolution and Culture," Oklahoma State University, Stillwater, November
- "The Société zoologique d'acclimatation and the new French empire: Science and political economy," U.N.E.S.C.O. Conference on "Science and Empire," Paris, April
- "French colonialism and the imperialism of science on the eve of the scramble," University of Oklahoma Centennial Conference on the History of Science, Norman, OK, September
- 1990-91 "European visions: Science, the tropics and the war on nature," American Association for the Advancement of Science, Washington, D.C., February
- "History of French Tropical Medicine, 1830-1914," Shelby Cullom Davis Center for Historical Studies, Princeton University, Princeton, NJ, April
- 1991-92 "The Medicine of the Hot Countries," College of Physicians, Philadelphia, PA, September
- 1992-93 "The medicine of the hot countries," UCLA Program in the History of Science, November
- "Sciences médicales et hygienistes dans les expéditions méditerranéennes," University of Paris VII, Paris, March 15
- "Emile Littré and the medicine of the hot countries," University of Manchester, Centre for the History of Science, Technology and Medicine, March
- "Emile Littré and the medicine of the hot countries," Medicine and Empire Symposium, Wellcome Institute for the History of Medicine, London, March 25-26

- "Medicine and colonial settlement," American Association for the History of Medicine, Louisville, KY, May 13-16
- "The Muséum's errant daughter," Muséum National d'Histoire Naturelle, Paris, June
- 1994-95 "European visions: Science, the tropics and the war on nature," Twentieth Century Science Beyond the Metropolis, Paris, France, September
- Plenary session address on "Les scientifiques: figures de proue et styles de science," Twentieth Century Science Beyond the Metropolis, Paris, France, September
- "Varieties of transformist biology in nineteenth century France," 119th Annual Meeting of Scientific and Historical Societies [congres annuel des sociétés historiques et scientifiques] Amiens, France, October
- "The subcultures of French military medicine," Center for the Humanities, Oregon State University, November
- "Environmental history in France and the French empire," Workshop on non-American environmental history, University of California, Berkeley, Department of Geography, November
- "Environmentalism and history in France," Center for the Humanities, Oregon State University, February
- "Ecoactivism in France," University of Washington, April
- "The history of military medicine in France," History Department Brown Bag Lecture, Oregon State University, May
- 1995-96 "Educating the sub-cultures of French military medicine," Society for the Social History of Medicine annual meeting, London, July
- "Environmental history in France and America," History of Science Colloquium, UCSB, October
- "Medicine and exotic environments," Scientific Colonizing, Colonial Science: Explorations in Epistemology, UCLA, May
- "French military medicine and Algeria," subject introduction for the Program in Medical Classics, UCLA, May
- 1996-97 "The Role of Exotic Animals in the Scientific and Political Culture of Nineteenth-Century France," Groupe de contact interuniversitaire sur l'histoire des connaissances zoologiques et des relations entre l'homme et l'animal, Université de Liège, Belgium, March
- "French language medical geographies," Department of the History and Philosophy of the Health Sciences, UCSF Medical School, San Francisco, CA, May
- "French language medical geographies," History Department, Stanford University, Palo Alto, CA, May
- "Imperialism, geography and medicine," All-UC History Conference on World History, Newport Beach, CA, May
- 1997-98 "Colonialism and medicine in Africa," subject introduction for the Program in Medical Classics, UCLA, November"
- "Medicine and natural history," at "The Naturalist Tradition: A One-Day Conference," Oregon State University, March

- "Medicine and geographies of disease and race in France and the French empire" for the Colonialism, Nationalism and Race Research cluster, UCSC, May
- "Science in the maghrib," Department of History, UCSC, May
- 1998-99 "French Imperial Constructs in Algeria and Mexico: Monumentality, Race, and the Civilizing Mission," commentator on session, American Historical Association, Washington, DC, January
- "The history of cancer," UCSB Dialogues Series, UCSB, January
- "Re-engineering Nature: Three Civilizing Missions," commentator on session, American Society for Environmental History, Tucson, Arizona, April
- "Imperialism and science," session on "Colonial milieux," West Coast History of Science Society, Santa Barbara, CA, April
- "Medicine and medicalization in the French Colonies," workshop on Colonial Medical Services: A Comparative Perspective, Fondation Mérieux, Annecy, France, November
- 1999-2000 "L'histoire des sciences en France et aux Etats-Unis," Centre Alexandre Koyré, Paris, March
- "Identity and distinctiveness in French naval medicine," Institut für Wissenschaftsgeschichte, Göttingen, April
- 2001-02 "French naval medicine and the burdens of empire," Commission on the History of Sciences and Empires XXI International Congress of History of Science, Mexico City, July
- "French tropical medicine in the nineteenth century," UCLA Medical School, Program in Medical Classics, November
- "French colonial medicine in the nineteenth century," History of Science Society Annual Meeting, Denver, CO, November
- "Policy and medicine in France," All-UC Policy History Conference, UCSB, November
- 2002-03 "Race in French Military Medicine," University of Minnesota Medical School, September
- "French Science Beyond the Hexagon," History of Science Society annual meeting, Milwaukee, WI, November
- "Discourses of race and place in French medicine," University of Geneva Medical School, conference on "Airs, Eaux, Lieux: L'homme, la santé et l'environnement," June 5-7
- 2003-04 "Medicine and the places of natural history in an age of empire: The Paris Faculty of Medicine and the Chair of Medical Natural History," History of Science Society Annual Meeting, Cambridge, MA, November
- Comment and chair of session on "What's colonial about colonial science? Comparative perspectives and local specificity, 1770-1850," History of Science Society Annual Meeting, Cambridge, MA, November
- 2004-05 "Race and place viewed from the periphery," at Creating Space: Across Histories, Cultures, and Disciplines, Big Sky, MT, September
- "Raphaël Blanchard and the transformations of natural history during the Third Republic," Oregon State University, April
- "Commerce, science, and colonialism: The Colonial Institutes of France," Stanford University, February

- "Science in the French Empire," Stanford University, February
- 2006-07 "Raphaël Blanchard and the emergence of tropical medicine in France," Camargo Foundation, Cassis, France, September
- "Raphaël Blanchard: Parasitology, Tropical Medicine, and the Cult of Pasteur," Pasteur Institute, Paris, April
- "Interventions et commentaire sur la science coloniale," [in French], École des Hautes Études en Sciences Sociales, Paris, April
- "The Birth of Parasitology, Paris, and the Field Sciences," University of California Office of the President, Natural Reserve System Advisory Board annual meeting, Oakland, CA, May
- "Science, Religion, and the 'Visions Thing,'" Institute for Science, Innovation and Society (ISIS), Radboud University, Nijmegen, Netherlands, June
- 2007-08 "French Provincial Science," Oregon State University, October
- "Recent Advances in Stem Cell Research – Science and Medical Therapies on the Horizon," [Respondent], University of California, Santa Barbara, June
- 2008-09 "Creativity in the Face of Climate change: The Role of the Humanities in Awakening Societal Change," [panel] Berkeley Institute of the Environment, U.C. Berkeley, October
- 2009-10 "Parasitology in Paris," Oregon State University, Department of Fish and Wildlife seminar, November
- "Eugenics in France," Texas Tech University, Lubbock, Texas, January
- "Medical History and Medical Humanities, Oregon State University, pre-health sciences colloquium, March
- "Reflections on landscape," California landscape History Project, Santa Barbara, California, April
- Chair, Introduction, Comment, and Organization of "Questions of Reflexivity: The International Circulation of Knowledge and Techniques," International Congress of History of Science, Budapest, Hungary, July
- Chair, "Animals and Environmental History," (First World Environmental History Congress, Copenhagen, Denmark, August
- 2010-11 Chair and Comment, session of "International Association for Science and Cultural Diversity, Barcelona, Spain, November
- "Marius Piéry, telluric cures, and climatological medicine in Lyon," Centre de Recherche en Histoire des Sciences et des Techniques, Paris, France, June
- 2011-12 "Epigenetics and History," Aix-Marseille Institute for Advanced Study, Marseille, France, September
- "Medical Modernity, Tropical Medicine, and the Persistence of Climatic Thinking in France, 1890-1939," École Normale Supérieure, Paris, France, September
- "Cronotopie et hétérotopie," Aix-Marseille Institute for Advanced Study, Marseille, France, October

- “Biographies of Colonial Objects,” Aix-Marseille Institute for Advanced Study, Marseille, France, November
- “Kola Nuts, Empire, and Physiology: Marseille and Paris,” École des Hautes Études en Sciences Sociales, Paris, France, November
- “Colonial Medicine in Paris,” École des Hautes Études en Sciences Sociales, Paris, France, November
- “Provincial and Regional Contexts of the French Empire,” Université de Paris VII, December
- 2012-13 Chair and commentary, “Locality, Embodiment, and Vernacularization in Late Colonial Technoscience: European Knowledge Cultures in the Twentieth-Century Middle East, History of Science Society Annual Meeting, San Diego, November
- “Parasitology, zoology, and society in France, ca. 1880-1920,” University of Wisconsin, Madison, December
- “Climate Slalom,” Alpine Environments Workshop, Oregon State University, January
- “Biological Individuality and Disciplines,; Columbia History of Science Group, Friday Harbor, WA, March
- 2013-14 "Biological and Social Individuality," Aix-Marseille Institute for Advanced Study, Marseille, France, October
- "The Social and Policy History of Modern Stem Cell Research," École Normale Supérieure, Paris, France, November
- "Wholes and Parts in Biology and Society," Aix-Marseille Institute for Advanced Study, Marseille, France, December
- "Animals in circulation," Woods Hole Oceanographic Institution, Woods Hole, MA, May
- 2014-15 "Problems and Prospects for the Circulation of Knowledge," Aix-Marseille Institute for Advanced Study, Marseille, France, December
- 2015-16 "The Politics of Multiculturalism and Racial Inclusion in Contemporary France and Marseille," Oregon State University, January
- [Plenary speaker], "The French and their feverish empire," George Rude Society, Sydney, Australia, July
- 2016-17 "A History of Yellow Fever: Science, Philanthropy and Globalism," Oregon State University, Center for the Humanities, February
- "The Several Meanings of Global Health History: The Case of Yellow Fever," Casa Oswaldo Cruz/FIOCRUZ, Rio de Janeiro, July
- "Philanthropy and Africa Yellow Fever in the Age of Empire" 25th International Congress of History of Science and Technology, Rio de Janeiro, July

[Panelist] “Science, Technology, and Medicine in Local, Regional, Transnational, and Global Context,”
25th International Congress of History of Science and Technology, Rio de Janeiro, July

Teaching (Please see extended CV for graduate students taught and placed, course revisions, innovations, etc., thorough 2009)

I teach undergraduate courses on the history of evolution, the history of public health and medicine, global environmental problems, contemporary scientific issues, and science and religion. I have also taught Western Civilization, a lecture course on ancient science and medicine (antiquity to Scientific Revolution), and several thematic history major capstone courses including “Health and the Media,” “Science and Imperialism,” and “Social Implications of Darwinism.” I have also taught environmental studies courses.

I have mentored as dissertation committee chair or committee member about 18 dissertations in history of science, European history, religious studies, interdisciplinary marine science, colonial science, and other fields. My graduate teaching repertoire changes frequently but includes research seminars and thematic graduate readings seminars on “Contextualism and the History of Science,” “Place and the History of Science,” “History and Philosophy of Science,” “History of American Medicine,” and “Historiography for History of Science, Technology, and Medicine,” “Science Studies and Disasters.” From 2007-2009 I taught a required course on “Social Implications of Stem Cell Research” to pre- and post-doctoral fellows at the UCSB Center for Stem Cell Biology and Engineering.

Professional Activities: Elective and Appointive Offices, 2002 to 2018 [* indicates elected office. See extended CV for institutional committees and activities at UCSB and OSU]

- 2002-03 *Member, Council of the History of Science Society
*Vice-President for Northern Hemisphere of The Pacific Circle, a Commission of the International Congress of History of Science
Review Editor, *Science, Technology, and Society*
Editorial Board, *Quipu: Revista Latinoamericana de Historia de la Ciencias y la Tecnologia*
*Secretary, Listmaster for Sciences et Empires, a Commission of the International Congress of History of Science
- 2003-04 *Member, Council of the History of Science Society
*Vice-President, The Pacific Circle
Editorial Board, *Quipu: Revista Latinoamericana de Historia de la Ciencias y la Tecnologia*
*Secretary, Listmaster for Sciences et Empires, a Commission of the International Congress of History of Science
- 2004-05 *Member, Council of the History of Science Society
Secretary, Committee on Research and the Profession, History of Science Society
Chair, Committee on Research and the Profession, History of Science Society (April 2005-)
*Vice-President, The Pacific Circle, a Commission of the International Congress of History of Science
Editorial Board, *Quipu: Revista Latinoamericana de Historia de la Ciencias y la Tecnologia*
Member, Editorial Board, *Journal for the History of Biology*
Secretary and Listmaster for Sciences et Empires
*President of Sciences et Empires, (July 2005-2009)
Program Chair for The Pacific Circle meeting at Beijing
Program Co-Chair for the Sciences et Empires meeting at Beijing
Member, Lifetime Achievement Award Committee, American Association for the History of Medicine
- 2005-06 *Member, Council of the History of Science Society
Chair, Committee on Research and the Profession, History of Science Society

- Editorial Board, *Quipu: Revista Latinoamericana de Historia de la Ciencias y la Tecnologia*
 Editorial Board, *Journal for the History of Biology*
 *President of Sciences et Empires, (2005-2009)
- 2006-07 Editorial Board, *Quipu: Revista Latinoamericana de Historia de la Ciencias y la Tecnologia*
 Editorial Board, *Journal for the History of Biology*
 *President of Sciences et Empires, (2005-2009)
- 2007-08 Editorial Board, *Journal for the History of Biology*
 *President of Sciences et Empires, (2005-2009)
 Editorial Board, book series on Science and Culture in the Nineteenth Century
 for Pickering and Chatto Publishers
- 2008-09 Editorial Board, *Journal for the History of Biology*
 *President of Sciences et Empires, (2005-2009)
 *Second Vice-President, Division of History of Science and Technology
 (UNESCO) (2009-2013)
 Program Chair for Sciences et Empires in Budapest for DHST Congress
 Editorial Board, book series on Science and Culture in the Nineteenth Century
 for Pickering and Chatto Publishers
- 2009- 10 Associate Editor, *Journal for the History of Biology*
 *Second Vice-President, Division of History of Science and Technology
 (UNESCO) (2009-2013)
 Chair, U.S. Consortium delegation to International Union of History and Philosophy of Science
 (DHST/UNESCO)
 Member, Schmitt Research Grant Committee, American Historical Association
 Member, Alice Hamilton Prize Committee, American Society for Environmental History
 Editorial Board, book series on Science and Culture in the Nineteenth Century
 for Pickering and Chatto Publishers
- 2010-11 Associate Editor, *Journal for the History of Biology*
 *Second Vice-President, Division of History of Science and Technology
 (UNESCO) (2009-2013)
 Chair, U.S. Consortium delegation to International Union of History and Philosophy of Science
 (DHST/UNESCO)
 Chair, Asia, Africa, Europe Research Grant Committee, American Historical Association
 Member, Alice Hamilton Prize Committee, American Society for Environmental History
 Editorial Board, book series on Science and Culture in the Nineteenth Century
 for Pickering and Chatto Publishers
- 2011-12 Associate Editor, *Journal for the History of Biology*
 *Second Vice-President, Division of History of Science and Technology
 (UNESCO) (2009-2013)
 Chair, U.S. Consortium delegation to International Union of History and Philosophy of Science
 (DHST/UNESCO)
 Chair, Asia, Africa, Europe Research Grant Committee, American Historical Association
 Editorial Board, book series on Science and Culture in the Nineteenth Century
 for Pickering and Chatto Publishers
- 2012-13 Associate Editor, *Journal for the History of Biology* [through 31 December 2012]
 *Second Vice-President, Division of History of Science and Technology
 (UNESCO) (2009-2013)
 DHST, Young Scholars Prize Committee
 Chair, U.S. Consortium delegation to International Union of History and Philosophy of Science
 (DHST/UNESCO)
 Chair, Asia, Africa, Europe Research Grant Committee, American Historical Association
 Editorial Board, book series on Science and Culture in the Nineteenth Century

for Pickering and Chatto Publishers

2013-14

*President-elect, International Union of History and Philosophy of Science and Technology, Division of History of Science and Technology (2013-2017)
 *Councilor, Sciences and Empires Commission, DHST/UNESCO
 Board Member, Pacific Circle, DHST/UNESCO [*ex officio*]
 Editorial Board, book series on Science and Culture in the Nineteenth Century for Pickering and Chatto Publishers

2014-15

*President-elect, International Union of History and Philosophy of Science and Technology, Division of History of Science and Technology (2013-2017)
 *Councilor, Sciences and Empires Commission, DHST/UNESCO
 Board Member, Pacific Circle, DHST/UNESCO [*ex officio*]
 Editorial Board, book series on Science and Culture in the Nineteenth Century for Pickering and Chatto Publishers
 *Nominating Committee [member], American Association for Advancement of Science, Section L, History and Philosophy of Science

2015-16

*President-elect, International Union of History and Philosophy of Science and Technology, Division of History of Science and Technology (2013-2017)
 *Councilor, Sciences and Empires Commission, DHST/UNESCO
 Board Member, Pacific Circle, DHST/UNESCO [*ex officio*]
 Editorial Board, book series on Science and Culture in the Nineteenth Century for University of Pittsburgh Press
 *Nominating Committee [member], American Association for Advancement of Science, Section L, History and Philosophy of Science
 International Program Committee for conference on science along the Silk Roads, Chinese Academy of Sciences/UNESCO, December 2015

2016-2017

*President-elect, International Union of History and Philosophy of Science and Technology, Division of History of Science and Technology (IUHPST/ DHST) (2013-2017)
 *Councilor, Sciences and Empires Commission, IUHPST/ DHST
 Board Member, Pacific Circle, DHST/UNESCO [*ex officio*]
 Editorial Board, book series on Science and Culture in the Nineteenth Century for University of Pittsburgh Press
 *Nominating Committee [member], American Association for Advancement of Science, Section L, History and Philosophy of Science
 International Program Committee of the World Conference of the Humanities, UNESCO

2017-2018

*President, International Union of History and Philosophy of Science and Technology, Division of History of Science and Technology (IUHPST/ DHST) (2017-2021)
 Editorial Board, book series on Science and Culture in the Nineteenth Century, University of Pittsburgh Press
 *Nominating Committee [member], American Association for Advancement of Science, Section L, History and Philosophy of Science

Fellowships and Grants

1983-84	University of Wisconsin Graduate School Travel Grant	\$1,800.	pi
	Wisconsin Alumni Research Foundation Fellowship, Paris	\$12,800.	pi
1984-85	Walter and Elise Haas Fund Travel Grant	\$400.	pi
1985-86	History of Science Society Travel Grant	\$300.	pi
1987-88	American Council of Learned Societies Travel Award to London	\$500.	pi
	Centre National de la Recherche Scientifique, Centre de Recherche en Histoire des Sciences et des Techniques, Research Associate, Paris, France, March to August	116,000 francs	pi
1988-89	National Research Council, Travel Award to Germany	\$1,200.	pi
	History of Science Society Travel Grant	\$356.	pi
1990-91	Shelby Cullom Davis Center for Historical Studies, Princeton University, Visiting Fellow January to June	\$21,500.	pi
1991-92	UCLA Center for International Studies and Strategic Affairs, Travel Grant	\$300.	pi
	UC Humanities Research Institute, Travel Grant	\$400.	pi
	UC Santa Barbara, Faculty Senate Travel Grant	\$400.	pi
	College of Physicians Travel Grant	\$500.	pi
1992-93	UCSB Interdisciplinary Humanities Center, Research Grant	\$1,500.	pi
	UCSB Faculty Senate, Research Grant	\$2,000.	pi
	Muséum National d'Histoire Naturelle, Travel and Conference Grant	\$1,200.	pi

1993-94	Ecole des Hautes Etudes en Sciences Sociales, invited member of research group on scientific expeditions, Paris	\$1,100.	pi
	UCSB Interdisciplinary Humanities Center (for Medicine and the Social Order)	\$1,500.	pi
	UCSB Faculty Senate, Research and Travel Grants	\$2,170.	pi
1994-95	Ecole des Hautes Etudes en Sciences Sociales, invited member of research group on scientific expeditions, Paris (continues from previous year)		pi
	Center for the Humanities Fellowship at Oregon State University, Corvallis (for Medicine and the Social Order)	\$10,000.	pi
	UCSB Academic Senate Research Grants (for Medicine and the Social Order)	\$2,500.	pi
	UCSB Academic Senate Travel Grants (for Medicine and the Social Order)	\$750.	pi
1995-96	Wellcome Trust (for Medicine and the Social Order and research at Wellcome Institute in London)	\$1,400.	pi
	UCSB Instructional Improvement Minigrant (to revise reader and do slides for History 107C)	\$750.	pi
	UC Humanities Research Institute grant	\$12,500	co-pi
1996-97	UCSB Faculty Senate, Travel Grant (\$550 returned, trip cancelled)	\$720.	pi
1997-98	UC Office of the President, for hosting All-UC-Stanford Graduate Workshop in History of Science, Technology and Medicine, UCSB, October (with Badash and Guerrini)	\$3,000	co-pi
	UCSB Faculty Senate Travel Grant	\$500.	pi
1998-99	University of Geneva Medical School, Conference and Travel Grant, Annecy, France	\$1,600.	pi
1999-2000	UCSB-Centre National de la Recherche Scientifique exchange fellowship (shared with Anita Guerrini) to continue work on history of naval medicine and begin collaborative project on colonialism and science which compares French and British activities in South Asia.	\$10,200.	co-pi
	Office of the Associate Vice Chancellor for Academic Programs minigrant for improvement of Hist/ES 107C	\$897.	pi
	Institut für Wissenschaftsgeschichte, University of Göttingen, for travel to give an invited lecture (approximate)	\$600.	pi

2000-01	UCSB Academic Senate, Committee on Research travel grant to Mexico City	\$550.	pi
2002-03	UCSB Academic Senate, Committee on Research, travel grant to Milwaukee, WI	\$685.	pi
2003-04	University of Geneva Medical School, funding travel to international conference and to teach MA courses	@ \$1,800.	pi
	UCSB Faculty Senate Travel Grant for Cambridge, MA, History of Science society annual meeting, November	\$685.	pi
2004-05	UCSB Interdisciplinary Humanities Center, Faculty Teaching Release Grant (spring)	\$4,500.	pi
	Montana State University, travel and per diem for "Creating Space" conference, September	\$	pi
	Regents' Humanities Faculty Fellowship, 33% of salary (fall)	\$	pi
	UCSB Faculty Senate Travel Grant (Intercampus) UCR Library, January	\$116.	pi
	Humanities Research Institute/UCSF "Stem Cells and the Humanities Committee"	\$230.	pi
	UCSB Academic Senate, Committee on Research travel grant to Beijing	\$1,400.	pi
	2005-06	Stem Cell Training Grant, California Institute for Regenerative Medicine (bioethics leader)	\$1,218,242.
2005-06	Templeton Foundation Grant for "New Visions of Nature, Science, and Religion" (Campus Director and later pi)	\$745,652.	co-pi
	UCSB Academic Senate Grant "Emergence of tropical medicine in France"	\$2,000.	pi
	Camargo Foundation Fellowship [and apartment in Cassis, France]	\$3,500.	pi
	National Science Foundation, Dissertation Improvement Grant for Doctoral Student Eric Boyle	\$8,000.	co-pi
	Pasteur Institute/Wellcome Trust Centre for the History of Medicine, "History of Medical Entomology," Pasteur Institute, Paris	\$2,000.	pi
	2006-07	UCSB Academic Travel Grant (Intercampus) University of California at Los Angeles, April	\$89.
	UC Humanities Research Institute "Medicine, Magic, and Mirage: Redefining the	\$19,400.	co-pi

	Boundaries of Therapeutics in Modern America" [for support of Eric Boyle]		
	Templeton Foundation "Science, Religion, and the 'Visions Thing'" [Netherlands, Wageningen, City of Life Sciences]	\$2,100.	pi
2007-08	Stem Cell Training Grant, California Institute for Regenerative Medicine, renewal (bioethics leader, 2009-2012)	\$1,302,000	team member
2008-09	Stem Cell Training Grant, California Institute for Regenerative Medicine (bioethics leader, continuing 2009-2012)		team member
2009-10	Stem Cell Training Grant, California Institute for Regenerative Medicine (bioethics leader, continuing 2009-2012) * [left UCSB for OSU]		team member
2010-11	Oregon State University, Office of Research "Epigenetics in Social and Scientific Context"	\$5,500	pi
2011-12	Aix-Marseille Institute for Advanced Study (2011-2014) [exclusive of travel, research, cell phone, and hosting conference costs] "The Colonial Sciences, Contagion, and the Imaginarium of Marseille"	40,500 Euros	pi
	Directeur d' recherche, École des Hautes en Sciences Sociales (Paris) "The Emergence of Tropical Medicine in France"	3,000 Euros	pi
	SPHERE/CNRS/University of Paris VII [travel costs] "Provincial and Regional Contexts of the French Empire"	600 Euros	pi
	Centre de Recherche en Histoire des Sciences et des Techniques Paris, France [travel costs] "Marius Piéry, telluric cures, and climatological medicine in Lyon"	600 Euros	pi
	CNRS/École Normal Supérieur (Paris) [travel costs] "Climate, Knowledge and Politics, XVIIIth-XXth centuries"	1,800 Euros	co-pi
2012-13	Aix-Marseille Institute for Advanced Study (ongoing 2011-2014)		
2013-14	Aix-Marseille Institute for Advanced Study (ongoing 2011-2014)		
	Université de La Réunion, travel, lodging	3,000 /Euros	pi
	Woods Hole Oceanography Institution/ASU "History of Zoo and Aquarium Conservation"	\$1,200	pi
2014-15	Aix-Marseille Institute for Advanced Study (2011-2014)		pi
2015-16	Rockefeller Archive Center, grant-in-aid [for <i>A Global History of Yellow Fever</i>]	\$3,500	pi
	National Science Foundation, Doctoral Dissertation Research Improvement Grant (co-PI Andy Hahn)	\$18,334	pi
2016-17	Center for the Humanities, OSU, teaching releases and research assistance [for <i>A Global History of Yellow Fever</i>]		pi
2017-18	OSU Office of Research, [for <i>A Global History of Yellow Fever</i>]	\$5,200	pi

Refereeing and Reviewing Activities

- 1990-91 Reviewed ms. for Princeton University Press
 Reviewed ms. for *Forest and Conservation History*
- 1991-92 Reviewed ms. for *Isis*
 Reviewed ms. for *Forest and Conservation History*
 Referee for National Science Foundation
 Referee for National Endowment for the Humanities
- 1992-93 Reviewed ms. for Johns Hopkins University Press
 Reviewed ms. for Princeton University Press
 Referee for National Endowment for the Humanities
 Outside referee for dissertation at Department of the History and Philosophy of Science,
 University of Melbourne, Australia
- 1993-94 Reviewed grants for National Endowment for the Humanities
 Reviewed ms. for *Social Studies of Science*
- 1994-95 Reviewed ms. for University of California Press
 Reviewed grants for National Science Foundation
 Reviewed grants for the Wellcome Trust
 Reviewed grants for Center for the Humanities at Oregon State University
 Referee for *Science, Technology, and Society*
- 1995-96 Referee for *Science, Technology, and Society*
 Reviewed ms. for *Isis*
 Reviewed ms. for *Journal for the History of the Behavioral Sciences*
 Reviewed ms. for the University of California Press
 Reviewed ms. for the Institut Français de Recherche Scientifique pour le Développement en
 Coopération
 Reviewed grants for National Science Foundation
 Reviewed grants for the Wellcome Trust
 Reviewed grants for the Australian Research Council

1996-97 Referee for University of Florida Press
 Referee for National Science Foundation
 Referee for McGraw-Hill

1997-98 Referee for Guggenheim Foundation
 Referee for Stanford Humanities Center
 Referee for *The Public Historian*
 Referee for *Environmental History*
 Referee for *British Journal for the History of Science*
 Referee for Lehigh University Press
 Referee for McGraw-Hill
 Referee for Australian Research Council
 Tenure Referee [institution name withheld]

1998-99 Referee for National Science Foundation
 Referee for Stanford Humanities Center
 Referee for Hannah Institute for the History of Medicine
 Reviewer for *Isis*
 Reviewer for *Science, Technology, and Society*

1999-2000 Referee for Hannah Institute for the History of Medicine
 Referee for *Canadian Journal of History*
 Referee for *Environmental History*
 Referee for University of California Press

2000-01 Referee, Australian Research Council
 Referee, National Science Foundation
 Manuscript Reviewer, *French Historical Studies*
 Grant Reviewer, Stanford Humanities Center
 Grant Reviewer, Hannah Institute for the History of Medicine
 Refereed tenure case University of California system

- 2001-02 Manuscript Reviewer, *Minerva*
- Manuscript Reviewer, *French Historical Studies*
- Manuscript Reviewer, *Social Science and Medicine*
- Grant Reviewer, National Science Foundation
- Grant Reviewer, National Endowment for the Humanities (Summer Stipends and Fellowships)
- Grant Reviewer, Australian Research Council
- 2002-03 Referee for Duke University Press
- Referee for Taylor and Francis Press
- Grant Reviewer for National Science Foundation
- Referee for *Archives internationales d'histoire des sciences*
- Referee for *Journal of Historical Geography*
- 2003-04 Grant reviewer, National Science Foundation
- Grant reviewer, Stanford Humanities Center
- Referee, University of Nebraska Press
- 2004-05 Grant reviewer, National Science Foundation
- Referee, University of British Columbia, Hampton Research Fund
- Referee, *Revue d'histoire des sciences*
- Reviewer, cover blurb author for Edwin Mellen Press
- Referee for tenure (agrégation) [institutional name withheld]
- 2005-06 Reviewer, University of Nebraska Press
- Reviewer, University of Chicago Press
- Reviewer, Columbia University Press
- 2006-07 Referee, *History of Medicine*
- Reviewer and Editorial Board, Pickering and Chatto Press book series on "Science and Culture in the Nineteenth Century"
- 2007-08 Referee, *Isis*
- Referee, *Journal for the History of Biology*
- Reviewer, Yale University Press

Reviewer and Editorial Board, Pickering and Chatto Press book series on “Science and Culture in the Nineteenth Century”

- 2008-09 Reviewer, Presses of the Académie International d'Histoire des Sciences
- Reviewer for grants, National Association of Research (ANR)- École Normale Supérieure, Lettres et Sciences Humaines, Lyon
- Referee, *Isis*
- Referee, *Journal for the History of Biology*
- Referee, *Social Science History*
- Reviewer and Editorial Board, Pickering and Chatto Press book series on “Science and Culture in the Nineteenth Century”
- Referee for advancement to Professor off-scale, University of California system
- 2009-10 Referee, *Journal for the History of Biology*
- Reviewer, Social Sciences and Humanities Research Council of Canada
- Member and reviewer, American Historical Association, Committee on Research Grant Awards for Africa, Asia and Europe (ca. 100 grant proposals)
- Member, American Society for Environmental History, Alice Hamilton Prize Committee
- Reviewer and Editorial Board, Pickering and Chatto Press book series on “Science and Culture in the Nineteenth Century”
- 2010-11 Referee, *Journal for the History of Biology*
- Reviewer and Editorial Board, Pickering and Chatto Press book series on “Science and Culture in the Nineteenth Century”
- External Reviewer, Environmental Studies major, University of Wisconsin-Madison
- Referee for advancement to Full Professor [institutional name withheld]
- Reviewer, Social Sciences and Humanities Research Council of Canada
- Member and reviewer, American Historical Association, Committee on Research Grant Awards for Africa, Asia and Europe (ca. 100 grant proposals)
- 2011-12 Reviewer, University of Chicago Press
- Referee, *Journal for the History of Biology*

Reviewer and Editorial Board, Pickering and Chatto Press book series on “Science and Culture in the Nineteenth Century”

Chair, American Historical Association, Committee on Research Grant Awards for Africa, Asia and Europe (ca. 100 grant proposals)

- 2012-2013 Referee for advancement to Full Professor, Montana State University
- Referee for advancement to tenure, Cornell University
- Editorial Board and Reviewer, Pickering and Chatto Press book series on “Science and Culture in the Nineteenth Century”
- Reviewer, *NTM - Zeitschrift für Geschichte der Wissenschaften, Technik und Medizin*
Journal of the History of Science, Technology and Medicine
- Reviewer, *Journal for the History of Biology*
- Chair, American Historical Association, Committee on Research Grant Awards for Africa, Asia and Europe (115 grant proposals)
- Reviewer, University of Chicago Press
- 2013-2014 International Academy of History of Science (book manuscript review)
- National Science Foundation (research grant)
- American Association for the Advancement of Science (session proposal reviews, 2015 meeting)
- Reviewer, *Isis*
- Reviewer, *Almagest*
- Editorial Board and Reviewer for book series, “Science and Culture in the Nineteenth Century,” University of Pittsburg Press
- 2014-2015 Reviewer, *Journal for the History of Medicine and Allied Sciences*
- Reviewer, *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*
- American Association for the Advancement of Science (poster judge, 2015 meeting)
- Referee, Fondation Maison des sciences de l’homme (research grant)
- Editorial Board and Reviewer for book series, “Science and Culture in the Nineteenth Century,” University of Pittsburg Press
- 2015-2016 Reviewer, *Medical History*
- Referee for advancement to tenure, University of Oklahoma

Reviewer, *Journal of Colonial History*

Reviewer, *Social History of Medicine*

Editorial Board and Reviewer for book series, "Science and Culture in the Nineteenth Century," University of Pittsburg Press

- 2016-2017 Referee for advancement to full professor, Wayne State University
- Reviewer for *Proceedings of the George Rudé Society*
- Reviewer, *History and Philosophy of the Life Sciences*
- Editorial Board and Reviewer for book series, "Science and Culture in the Nineteenth Century," University of Pittsburg Press
- 2017-2018 Referee for tenure, University of Albany
- Reviewer, *Medical History*
- Reviewer, *Journal de Primatologie*
- Reviewer, *Cambridge History of Science*
- Editorial Board and Reviewer for book series, "Science and Culture in the Nineteenth Century," University of Pittsburg Press
- Reviewer for proposed book series, University of Pittsburg Press
- Referee, multi-institution grant, Flanders Research Organization
- Referee, senior fellowship, Madrid Institute for Advanced Studies
- 2018-2019 Referee, University of North Carolina Press

Awards and Honors

- 1969-70 Life Membership, Alpha Gamma Sigma, California State Scholarship Honor Society
- 1970-71 Oregon State University, junior year election to Phi Kappa Phi National Honor Society
- 1994-95 Humanities Center, University of Utah (\$20,000), declined
- American Council of Learned Societies International Travel Grant (\$500), declined
- 1997-98 College of Physicians of Philadelphia, Francis C. Wood Institute Scholar in Residence for 1997-98 (\$30,000), declined
- 2000-01 Honorary Member of Golden Key National Honor Society

- 2001-02 "Expert Assessor of International Standing," Australian Research Council
- 2010-11 Co-recipient of Berendel Foundation's Cantemir Prize [intercultural humanism]
- 2012-13 Corresponding Member, International Academy of History of Science
- 2015 Honorable Mention, John Lyman Book Award, North American Society for Oceanographic History for *The Emergence of Tropical Medicine in France*.
- 2017 Fellow, American Association for Advancement of Science
- Full Member, International Academy of History of Science
- 2017-18 Nomination, Joseph Hazen Prize, History of Science Society