

November 2016

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POSITIONS AND APPOINTMENTS

- 2005- Associate Professor, Department of Science and Technology Studies, Rensselaer Polytechnic Institute, Troy, New York.
- 2006-2010 Co-editor (with Kim Fortun), *Cultural Anthropology*
- 1999-2005 Assistant Professor, Department of Science and Technology Studies, Rensselaer Polytechnic Institute, Troy, New York.
- 2000-2001 Member, School of Social Science, Institute for Advanced Study, Princeton, NJ
- 1994-1999: Executive Director and Founding Fellow, Institute for Science and Interdisciplinary Studies (ISIS), Amherst, Massachusetts.
- 1997 (Fall) Lecturer, MIT, Program in Science, Technology and Society
- 1994-95 Visiting Assistant Professor of Science Studies, Hampshire College, Amherst, Massachusetts.
- 1993-1994 Postdoctoral Fellowship, Cornell University, Department of Science and Technology Studies.
- 1992-1993 Mellon Fellowship in History and Social Study of the Life Sciences, MIT, Program in Science, Technology.

EDUCATION

- Ph.D. 1993 Harvard University, History of Science
B.A. 1982 Hampshire College

CURRENT INITIATIVES

Minding Genomics: Care of the Data and the Impossible Sciences of GeneXEnvironment Interaction: A book manuscripts examining how genome scientists have developed new protocols for dealing with “Big Data” collections and flows, the challenge of analyzing “geneXenvironment interactions,” and the meaning of genomics research for both public health and basic science. Through interviews, analysis of scientific publications and observation of scientists at work, the book characterizes four “frequencies of care” exercised by scientists when they are best attuned to the complexities of data, of genomics, and of the social implications of their research: curation, scrupulousness, solicitude, and friendship. The book is an ethnographic analysis of the data pitfalls and challenges that are part of genome wide association studies (GWAS), and how genomicists have invented new modes of analysis to address them. It also examines the scientific and social challenges of the larger and even more heterogeneous data sets that characterize emergent studies of the “exposome” – the sum of physiological responses to a constantly variable environment

comprised not only of chemical stressors, but of social and psychological stressors as well. Much of my research is focused on asthma, a complex condition that is highly variable at both the individual and population levels, and exemplifies the kind of scientific and public health challenge eliciting new “transdisciplinary” programs of research and intervention.

The Platform for Experimental, Collaborative Ethnography (PECE, <http://worldpece.org/>) PECE is a Drupal-based digital platform designed to support collaborative and distributed interpretive analysis of ethnographic data (both qualitative and quantitative). While designed to support diverse experimental ethnography projects, it provides a general model for the digital humanities. PECE provides a place to archive, share, and collaboratively analyze primary data generated by empirical humanities scholars. The platform provides opportunities to involve students in humanities research as it progresses, and quickens the public availability of humanities research, in an open access form. PECE also provides the capacity to experiment with new forms of peer review for humanities research, and functions as a portal to a suite of open source tools useful for humanities research, including tools developed in data science for other scientific communities. In 2015-16 I led our two major software development efforts funded by the Research Data Alliance (\$35K) and our KIP award (~\$25K in software development funds). I searched for, hired, and managed in weekly meetings a project consultant, two teams of Drupal developers (one in Brazil and one in Boston), and graduate research assistants working on the project. As an extension of this work, I am also a co-chair of the Research Data Alliance’s Digital Practices in History and Ethnography Interest Group, developing metadata standards for ethnographic and historical research data and objects (<https://www.rd-alliance.org/group/digital-practices-history-and-ethnography-ig.html>).

The Asthma Files: <http://theasthmafiles.org/> Over the last five years, we have developed what has become PECE through development of *The Asthma Files*, a collaborative ethnographic project designed to enhance scholarly understanding and public engagement with the kind of complex condition that the global asthma epidemic is an instance of. Staggering rates of asthma occur in very different settings around the world, exacerbated by an array of triggers, involving tangled natural, technical and social systems.

Responding to asthma (and other complex conditions) requires extraordinary coordination of both intellectual and operational activities. *The Asthma Files* project has involved senior researchers across the United States, PhD students, undergraduates and high school interns. Research for this project is currently channeled through a National Science Foundation grant, "Environmental Health Governance in Six Cities: How Scientific Cultures, Practices and Infrastructure Shape Governance Styles."

GRANTS (last five years)

Co-PI (with Kim Fortun) National Science Foundation (Award #1535888), "Environmental Health Governance in Six Cities: How Scientific Cultures, Practices and Infrastructure Shape Governance Styles." \$302,083. Start date September 1, 2015. Two years.

Co-PI, Rensselaer Seed Grant (with Kim Fortun and Deborah McGuinness) Building and Testing a Semantic eHumanities Framework. \$100,000 Start January 1, 2014. 12 months.

Investigator, Rensselaer Seed Grant (with Cynthia Collins, Karyn Rogers, Deborah McGuinness, Kristin Bennett, Anna Dyson, and Kim Fortun). Microbiome of the Built Environment. \$100,000 Start date January 1, 2014. 12 months.

PUBLICATIONS

Books:

Promising Genomics: Iceland and DeCODE Genetics In a World of Speculation. University of California Press, 2008.

Muddling Through: Pursuing Science and Truths in the Twenty-First Century (co-authored with Herbert J. Bernstein). Washington, DC: Counterpoint Press, 1998. (Chosen as a Book of the Month Alternative Selection, Library of Science, June 1999)

Edited Volumes:

Major Works in Cultural Anthropology (4 vols.), co-edited with Kim Fortun. Sage, 2010.

The Practices of Human Genetics: Sociology of the Sciences Yearbook (co-edited with Everett Mendelsohn). Kluwer, 1999.

Articles:

- 2016 Mike Fortun, Kim Fortun, and George E. Marcus, "Computers in/and Anthropology: The Poetics and Politics of Digitization," Pp. 11-20 in *Routledge Companion to Digital Ethnography* (Taylor and Francis).
- 2016 Kim Fortun, Lindsay Poirier, Alli Morgan, Brandon Costelloe-Kuehn, and Mike Fortun, "Pushback: Critical data designers and pollution politics," *Big Data and Society*, September; <http://dx.doi.org/10.1177/2053951716668903>
- 2015 (with Kim Fortun) An Infrastructural Moment in the Human Sciences. *Cultural Anthropology* 30 (3):359-367.
- 2015 "Science Studies" In *Oxford Bibliographies* (Anthropology). <http://www.oxfordbibliographies.com/view/document/obo-9780199766567/obo-9780199766567-0088.xml>
- 2015 "What Toll Pursuit: Affective Assemblages in Genomics and Postgenomics." In *Postgenomics*, ed. Hallam Stevens and Sarah Richardson, Duke University Press.
- 2014 (co-authored with Erik Bigrams, Brandon Costello-Kuehn, Tahereh Saheb, Jerome Crowder, Dan Price, Alison Kenner, Kim Fortun) "Experimental Ethnography Online: *The Asthma Files*," *Cultural Studies* 28(4):632-642.
- 2013 (co-authored with Erik Bigras, Brandon Costelloe-Kuehn, Tahereh Saheb, Jerome Crowder, Dan Price, Kim Fortun) "Asthma, Culture, and Cultural Analysis," *Heterogeneity in Asthma: Translational Profiling & Phenotyping*. Series: Advances In Experimental Medicine And Biology. Springer.
- 2012 "Genomics Scandals and Other Volatilities of Promising," in *Lively Capital*, ed. Kaushik Sunder Rajan (Duke University Press).
- 2010 "Editor's Introduction" (with Kim Fortun). *Major Works in Cultural Anthropology (4 vols.)*, edited with Kim Fortun. London: Sage.

- 2009 "Genes In Our kNot." *Handbook of Genetics and Society: Mapping the New Genomic Era*, Paul Atkinson, Peter Glasner, and Margaret Lock (eds.). London: Routledge.
- 2007 "Introduction to 'The Coke Complex'," (with Kim Fortun) *Cultural Anthropology* 22(4): 616-620.
- 2005 "For An Ethics of Promising, Or, A Few Kind Words About James Watson." *New Genetics and Society* 24/2:157-173.
- 2005 "Scientific Imaginaries and Ethical Plateaus in Contemporary U.S. Toxicology" (with Kim Fortun), *American Anthropologist* 107(1):43-54.
- 2005 "The Use of Race Variables in Genetic Studies of Complex Traits and the Goal of Reducing Health Disparities" (with Evelynn Hammonds, Patricia King, Caryn Lerman, Rayna Rapp, Alexandra Shields, and Patrick Sullivan), *American Psychologist* 60 (1):77-103.
- 2003 "Celera Genomics: The Race for the Human Genome Sequence." *Encyclopedia of Human Genetics*. London: Macmillan (<http://www.ehgonline.net>)
- 2003 "Towards Genomic Solidarity: Lessons From Iceland and Estonia," *OpenDemocracy*, July 10, 2003 (<http://www.opendemocracy.net/debates/article-9-79-1344.jsp>)
- 2001 "Open Reading Frames: The Genome and the Media," in *GeneWatch* 14.6 (November 2001), 11-13; *GeneWatch* 15.1 (January 2002), 6-9; *GeneWatch* 15.2 (March 2002), 12-13. <http://www.gene-watch.org/genewatch/articles/14-6fortun.html>
- 2002 "Now Then: Promising Speed Genomics," *Paradise Now: Picturing the Genetic Revolution*, ed. Marvin Heiferman and Carole Kismaric (exhibit catalogue for "Paradise Now" at Tang Art Museum, Saratoga Springs, NY), 18-25.
- 2002 "The Human Genome Project: Past, Present, and Future Anterior." Garland E. Allen and Roy M. MacLeod, eds., *Science, History and Social Activism: A Tribute to Everett Mendelsohn*. Dordrecht, The Netherlands: Kluwer.
- 2001 "Mediated Speculations in the Genomics Futures Markets." *New Genetics and Society* 20/2:139-156.
- 2000 "Fluctuating About Zero, Taking Nothing's Measure." Pp. 121-160 in George Marcus, ed., *Zeroing In On the Year 2000: Late Editions 8*. University of Chicago Press.
- 2000 "Aftereffects" (with Kim Fortun). Pp. 43-50 in George Marcus, ed., *Zeroing In On the Year 2000: Late Editions 8*. University of Chicago Press.
- 2000 "Expatriating Anthropology, Writing Thailand" (with Kim Fortun and Jeff Petry). In George Marcus, ed., *Para-Sites: Late Editions 7*. University of Chicago Press.
- 2000 "Filming Markets: India Mediascapes 1997" (with Kim Fortun). In George Marcus, ed., *Para-Sites: Late Editions 7*. University of Chicago Press.

- 1999 "Projecting Speed Genomics." In Michael Fortun and Everett Mendelsohn (eds.), *Practices of Human Genetics: International and Interdisciplinary Perspectives*, *Sociology of the Sciences Yearbook* Vol. 19. pp. 25-48.
- 1999 "Entangled States: Quantum Teleportation and 'The Willies'." In George Marcus, ed., *Paranoia within Reason: A Casebook on Conspiracy as Explanation (Late Editions 6)*. University of Chicago Press.
- 1999 "Due Diligence and The Pursuit of Transparency: The Securities and Exchange Commission, 1996" (with Kim Fortun). Pp. 157-193 in George Marcus, ed., *Paranoia within Reason: A Casebook on Conspiracy as Explanation (Late Editions 6)*. University of Chicago Press.
- 1998 "Institutionalizing Indirection: Science at the Crossroads of Scholarship and Politics." *Science as Culture* 7/2: 173-192.
- "1998 "Sixty-five Roses, Pulmozyme[®], Steve Shak, Genentech." In George Marcus, ed., *Corporate Futures: Late Editions 5*. University of Chicago Press.
- 1998 "Making Space, Speaking Truth: The Institute for Policy Studies, 1963-1995" (with Kim Fortun). In George Marcus, ed., *Corporate Futures: Late Editions 5*. University of Chicago Press.
- 1998 "The Human Genome Project and the Acceleration of Biotechnology." Pp. 182-201 in Arnold Thackray, ed., *Private Science: The Biotechnology Industry and the Rise of Contemporary Molecular Biology*. University of Pennsylvania Press.
- 1996 "Representing Nature in Bytes: The Construction of Molecular Genetic Sequence Databases" (with Joan Fujimura). In Laura Nader, ed., *Naked Science: Anthropological Inquiry Into Boundaries, Power, and Knowledge*. London: Routledge,.
- "1994 Scientists and the State: The Legacy of World War II" (with Silvan S. Schweber). Pp. 327-354 in Kostas Gavroglu et al., eds., *Trends in the Historiography of Science*. Kluwer.
- 1993 "Mapping and Making Genes and Histories: The Genomics Project in the United States, 1980-1990" Ph.D. thesis, Department of the History of Science, Harvard University.
- 1993 "Scientists and the Legacy of World War II: The Case of Operations Research" (with Silvan S. Schweber). *Social Studies of Science* 23:595-642.
- 1992 "So Human A Brain': Ethnographic Perspectives on an Interdisciplinary Conference." (with Skuli Sigurdsson). In Anne Harrington, ed., *So Human A Brain: Knowledge and Values in the Neurosciences*, pp. 325-337. Boston: Birkhauser.

BOOK REVIEWS

Review of Hallam Stevens, *Life Out of Sequence*, in *Science* 343 (7 February 2014):613-14.

Review of Alexandra Minna Stern, *Eugenic Nation: Faults and Frontiers of Better Breeding in Modern America*. *ISIS: Journal of the History of Science Society*.

Review of Alan Goodman, Deborah Heath, and Susan Lindee (eds.), *Genetic Nature/Culture: Anthropology and Science Beyond the Two-Culture Divide*, in *Journal of the History of Biology* 37: 402-403.

Review of Istvan Hargittai's *Candid Science II: Conversations With Famous Biomedical Scientists*, in *Journal of the History of Biology* 36:2 (Summer 2003), 414-5.

Review of Richard Doyle's *On Beyond Living: Rhetorical Transformations of the Life Sciences*, in *Quarterly Review of Biology* 74 (September 1999): 335.

Review of Paul Rabinow's *Making PCR: A Story of Biotechnology*, in *Journal of the History of Biology* 31 (Spring 1998): 143-145.

Review of Evelyn Fox Keller's *Refiguring Life*, in *Journal of the History of Biology* 29 (Summer 1996): 312-313.

INVITED LECTURES

"The 'Good Scientist' in the Time of Big Data," Matters of Scale: TALKS at Rensselaer, May 14, 2015.

<https://www.youtube.com/watch?v=hcLOhPK2qmU>

"Politics in Collaboration: Ethnographic Ventures in the Sciences of Environment & Health," (with Kim Fortun), Department of Sociology and Anthropology Colloquium Series, Northeastern University, Jan. 20, 2015.

"Care of the Data in the Impossible Sciences of GeneXEnvironment Interactions in Asthma," School of Natural Science, Hampshire College, Oct. 30, 2015.

"Ocean Waves and the Anthropocene": discussant for Lewis Henry Morgan Lectures by Stefan Helmreich, University of Rochester, Department of Anthropology, October 22-23, 2014.

"Care of the Data in the Impossible Sciences of GeneXEnvironment Interactions in Asthma," Science and Technology Studies Department, University of Maastricht, The Netherlands, September 26, 2014.

"Data IS Motion: Light Structure and Annotation in History and Ethnography," Plenary 4 of the Research Data Alliance, 22-24 September 2014, Amsterdam, The Netherlands.

"Care/Souci/Pflege of the Data, Amazement, and the Impossible Sciences of GeneXEnvironment Interactions in Asthma (Promising Genomics V. 2)" "Economies of Reproduction" workshop, Zentrum für interdisziplinäre Forschung (ZiF) (Center for Interdisciplinary Research), University of Bielefeld, Germany, June 2012.

"Care/Souci/Pflege of the Data, Amazement, and the Impossible Sciences of GeneXEnvironment Interactions in Asthma (Promising Genomics V. 2)" Department of Sociology, Frankfurt University, June 2012.

- “Care, Creation, and the Impossible Sciences of GeneXEnvironment Interactions in Asthma: Promising Genomics V. 2,” Workshop on Experimental Biologies and Translational Research, Department of Anthropology, University of Chicago, November 6-7, 2011
- “Care, Creation, and the Impossible Sciences of GeneXEnvironment Interactions in Asthma” Videoconference presentation, CESAGEN, Cardiff University and Lancaster University, November 9, 2011
- “Astonishing Genomics: Care of the Data, Solicitude, and the Right to Make Promises in Asthma Research-to-Come,” Workshop on “Scientific Collaboration, Interdisciplinary Pedagogy, and the Knowledge Economy,” Department of Education, University of Oxford, September 9-10, 2010.
- “A Dialogue Between STS and Physics” Keynote Address, 2nd Annual Meeting of the Anacapa Society for Theoretical Physics, Amherst, MA, August 2009.
- “Meditations on an Untimely Iceland – On the Use and Abuse of Promising for Genomics.” Center for Genetics and Society, University of California - Los Angeles, April 30, 2009
- “Experimenting With The Asthma Files” Institute for Advanced Study, University of Minnesota, April 15, 2009
- “Icelandic Scandals: deCODE Genetics and Other Tales of Excess and Bankruptcy.” Institute for Advanced Study, University of Minnesota, April 16, 2009
- “Isabelle Stengers” “Culture at Large” session, presented by the Society for Cultural Anthropology at the American Anthropology Association annual meeting, Washington, DC, Nov. 28-Dec. 1, 2007
- “Asthma, Archivally: Excess and Experiment in Interdisciplinarity,” plenary address, “Unhealthy Professional Boundaries?,” Goodenough College, London, 4-5 December 2007.
- “Race in the Meantime: The Care of the Data for Complex Conditions,” keynote address at “The Business of Race and Science,” Center for the Study of Diversity in Science, Technology, and Medicine and the Program in Science, Technology and Society, MIT, March 30-31, 2007
- “Care of the Data,” *Lively Capital II*, Department of Anthropology, University of California at Irvine, October 23-24, 2005
- “The Ethics of Promising.” *Lively Capital* conference, Department of Anthropology, University of California at Irvine, Nov. 5-7, 2004.
- “Untimely Meditations on Iceland: The Use and Abuse of Sagas in the Fin de Siecle Genome Mania,” Center for European Studies, University of Connecticut, October 26, 2004.
- “The 'Care of the Data' for Decidedly Constituted Populations,” Symposium on Race, Genetics, and Disease: Questions of Evidence, Questions of Consequence, Robert F. and Jean E. Holtz Center for Science and Technology Studies, University of

Wisconsin – Madison, April 16 & 17, 2004.

“For An Ethics of Promising, Or, A Few Kind Words About James Watson,” Keynote Address, First International CESAGen (Centre for Economic and Social Aspects of Genomics) Conference, Royal Society, London, March 2-3., 2004.

“Ethical Implications of Genomics: Lessons From Iceland.” 83rd Topical Symposium, “Biophysics with Nanotechnology,” New York State Chapter of the American Physical Society, 26 October 2001.

“Becoming the Scientists of the Age of Noise.” California Communities Program 2nd Annual Symposium, “When Science Becomes Civic,” University of California at Davis, September 11-12, 2001.

“Open Reading Frames: The Genome and the Media,” Lewis-Sigler Institute for Integrative Genomics and the Center for Human Values, Princeton University, March 28, 2001.

PAPERS PRESENTED

“Opening Access, Being Publisher: A Discussion About Open Access, Epistemic Ethics, and Post-Profit Publishing,” Annual Meeting of the American Anthropological Association, Dec. 3-7 2014, Washington, DC.

“Cultural Critique, Catachresis, and Coming to Care,” Society for the Social Studies of Science Annual Meeting, August 2014, Buenos Aires, Argentina.

“Asthma Genetics Inside-Out, Carefully,” Annual Meetings of the American Anthropological Association, New Orleans, LA Nov. 17-21, 2010.

“Care of the Data, Solicitude, and the Right to Make Promises in the Science-to-Come,” Biannual Meeting of the Society for Cultural Anthropology, Santa Fe, May 7-8, 2010

“What Genomics Companies Eat” Annual Meetings of the American Anthropological Association, Philadelphia, PA, Dec. 3-6, 2009.

“The Asthma Files,” Society for Literature, Science, and Art Annual Meeting, New York, NY, Nov. 10-12, 2006.

“The Care of the Data: Populations, Clusters, Addictions,” Annual Meetings of the American Anthropological Association, Washington DC, Dec. 1-4, 2005.

“Care of the Data and Friendship with the Sciences,” Annual Meetings of the Society for the Social Studies of Science, Pasadena, CA, October 20-22, 2005.

“Craving Difference: Affect, Nicotine, Populations,” Society for Literature, Science, and Art Annual Meeting, Durham, NC, Oct. 15-17, 2004.

“Civic Science: From Toxicology to Toxicogenomics,” (with Kim Fortun) Annual Meetings of the Society for Cultural Anthropology, Portland, OR, April 22-24, 2004.

- “Populations, Addiction and the ‘Care of the Data’,” Annual Meeting of the Society for the Social Studies of Science, Atlanta, GA, November 2003.
- “Promising Genomics, Speculating on Iceland: The Story of deCODE Genetics,” Media and Cultural Studies, University of Vermont, April 18, 2003.
- “Speculating on Iceland, Promising Genomics,” Center for the History and Philosophy of Science, University of Minnesota, February 21. “Icelandic Pharmakons: Genomics and the Gift-Poison of the Future,” Annual Meeting of the American Anthropological Association, New Orleans, LA, Nov. 20-24, 2002.
- “Bioinformatics Between Race and Cluster: Populations, Habits, and Ethics in the Genetics of Addiction,” Annual Meeting of the Society for the Social Studies of Science, Milwaukee, WI, Nov. 7-10, 2002.
- “Volatile Ethics for Volatile Bodies: A Geology of Morals for Genomics Plateaus.” Annual Meeting of the Society for the Social Studies of Science, Cambridge, MA, Nov. 1-4, 2001.
- “The Iceland Saga.” Annual Meeting of the Society for the Social Studies of Science, Cambridge, MA, Nov. 1-4, 2001.
- “What is Responsible Science Studies? Genomics in Iceland,” Taking Nature Seriously conference, University of Oregon, Eugene, OR, February 24-26, 2001.
- “Volatilities of Genomics,” History and Philosophy of Science Seminar, Northwestern University, February 9, 2001.
- “Gene Pools, Stock Markets, Democracy, and Other Promises: Genomics In and Around Iceland,” School of Social Science, Institute for Advanced Study, Oct. 5, 2000.
- “Mediated Speculations in the Genomics Futures Market,” paper presented at the 4S/EASST Conference, Vienna, September 27-30, 2000; and at the American Sociological Association annual meeting, Washington D.C., August 12-16, 2000.
- “Iceland Cometh to Commercial Genomics: From the Individual as Biomass to the Nation as Database,” Annual Meeting of the American Anthropological Association, Chicago, IL, Nov. 16-19, 1999.
- “Global Swarming in Iceland: Genes, Fish, Journalists, Whales, Medical Records, and the Contested Identity of a Nation,” Annual Meetings of the Society for the Social Studies of Science, San Diego, CA, Oct. 27-30, 1999.
- “The Genes of Nations: Reworking Health and Wealth in an Age of Fast Science,” American University of Beirut, international conference on “Science Technology and Society,” 26-28 November 1998.
- “Ethics, Information, and the Human Genome: Cross-Cultural Perspectives and Questions,” Icelandic Medical Ethics Society, University of Iceland, Reykjavik, Iceland, 14 Sep. 1998.

- “The Dizzying Pace of Postmodern Genetics: Language, Life, Economy, and Human Genomics in the 1990s,” Association of Those Interested in Philosophy, University of Reykjavik, Iceland, 10 Sep. 1998.
- “Accounting for the Body: Patents, Promises, and Other Properties of Genomics Today,” Department of Molecular Biology, University of Reykjavik, Iceland, 8 Sep. 1998.
- “Oh, genome! cDNA!, or: Come and Gone.” Paper delivered at the conference “Post-Genomics?: Historical, Techno-Epistemic and Cultural Aspects of Genome Projects,” Max-Planck-Institut für Wissenschaftsgeschichte, Berlin, 8-11 July 1998.
- “Promising Genomics, Incorporating Multiplicities: If Industry Can Bank on the Future, So Can We” Paper delivered at the conference “Nature and Culture: The Inexorable Dissolution of a Modern Distinction,” 4-5 April 1998, Deutsche Hygiene-Museum, Dresden, Germany.
- “Quantum Teleportation and 'The Willies': Ethnography of Entangled States.” Department of Anthropology Colloquium, Rice University, March 14, 1996.
- “Genomics Time-Slip: Temporal and Legal Anxieties in the Human Genome Project.” Annual Meetings of the American Anthropology Association, Washington, DC, Nov. 15-19, 1995.
- “Entangled States: Quantum Teleportation and ‘The Willies’.” Annual Meetings of the Society for the Social Studies of Science, Charlottesville, VA, October 1995.
- “Up the Genomics Data Stream Without a Paddle.” Controlling Our Destinies: Historical, Philosophical, Social and Ethical Perspectives on the Human Genome Project, University of Notre Dame, Oct. 5-8, 1995.
- “Envisioning Speed and Desire in Corporate Videos.” History of the Future Series: The Corporate Imagination, San Francisco Exploratorium, February 22, 1995 (via Videophone).
- “Time, Busy Bodies, and the Habit of Becoming-Genetic.” *Biology, Computers, and Society: At the Intersection of the “Real” and the “Virtual,”* conference sponsored by the Department of Anthropology and the Program in the History and Philosophy of Science, Stanford University, June 2-4, 1994.
- “The Human Genome Project and the Acceleration of Biotechnology.” *Private Science: The Biotechnology Industry and the Rise of Contemporary Molecular Biology*, conference sponsored by the Chemical Heritage Foundation, Philadelphia, PA, Oct. 28-30, 1993.
- “Money Talks: Negotiating the Human Genome Project in the U.S. Congress” History of Science Society Annual Meeting, Washington, DC, Dec. 27-30, 1992.
- “Past Imperfect, Future Tense: Histories In/Of the Human Genome Project” Colloquium in the Science, Technology, and Society Program, Massachusetts Institute of Technology, December 7, 1992.
- “Scientists and the Legacy of World War II: The Case of Operations Research.” (Co-authored with Sylvan S. Schweber) Joint Meeting of the Society for the Social Studies of Science/European Association for the Study of Science and Technology, Göteborg, Sweden, August 12-15, 1992.

“History, Ethnography, and the Human Genome Project” Department of Anthropology Colloquium, SUNY Binghamton, March 13, 1992.

“Mapping Genes and Making History: Molecular Biologists Recast Human Genetics in the 1980s” Society for the Social Studies of Science Conference, Cambridge, MA, Nov. 15-16, 1991; and Joint Atlantic Seminar for the History of Biology, Princeton University, April 6, 1991.

CONFERENCES AND PANELS ORGANIZED

- 2011 Chair and co-organizer, “Digital Anthropologies: Projects and Projections,” Annual Meeting of the American Anthropological Association, Montreal, November 16-20.
- 2004 Chair and Organizer of panel, “States of Science,” Annual Meeting of the Society for Cultural Anthropology, Portland, OR.
- 2003 Chair and Organizer of panel, “Populations, Race, and the New Genetics,” Society for the Social Studies of Science Annual Meeting, Atlanta, GA, November.
- 2003 Chair and co-organizer (with Jean-Francois Blanchette) of panel, “Emerging Technoscience, Emerging Law,” Society for the Social Studies of Science Annual Meeting, Atlanta, GA, November.
- 2003 Chair and co-organizer (with Kim Fortun) of panel, “Strategizing Public Understandings of Science and Technology,” Society for the Social Studies of Science Annual Meeting, Atlanta, GA, November.
- 2001 Chair and Organizer of panel: “Inquiry, Action, and Muddling Through: Multiple Scientist-Community Collaborations at the Institute for Science and Interdisciplinary Studies,” Taking Nature Seriously conference, University of Oregon, Eugene, OR, February 24-26, 2001
- 1999 Co-organizer (with Kim Fortun and Joan Fujimura) of three-session panel “Where IT’s At: Information Technologies and the Production of Identities, Communities, and Imaginaries.” Society for the Social Studies of Science Annual Meeting, San Diego, CA, Oct. 27-30.
- 1995 Organizer of “Scientists Dialogue Initiative,” a three-day open dialogue among scientists, cultural critics of science, artists, and others. Institute for Science and Interdisciplinary Studies, Amherst, MA.
- 1994 Co-organizer (with Joan Fujimura) of panel, “Body Building,” Society for the Social Studies of Science Annual Meeting, New Orleans, LA, Oct. 12-15.
- 1994 Organizer of interdisciplinary workshop, “The Nature of Science Studies: Science, Politics, and the Environment,” Cornell University, April 15-17.
- 1993 Co-organizer (with Everett Mendelsohn) of Sociology of the Sciences Yearbook conference, “The Practices of Human Genetics,” Brandeis University, July 20-21.
- 1990 Co-organizer, Conference on Historical and Social Study of the Human Genome Initiative, Harvard University, June 15-16.

GRADUATE ADVISEES AND PROJECTS

Ph.D.

CHAIR:

Jonathan Cluck, "Parasite Labs," completed December 2015.

Alison Kenner, "Asthma and Environmental Health in East Tennessee, Houston, and New York"
(August 2011)

Sean Lawson, "Nonlinear Science, Informatics, and Transformations of U.S. Military
Thought in the Post-Vietnam Era" (May 2008)

Lane DeNicola, "Imagery Activism: Expertise, Environmental Advocacy and Global Remote
Sensing Industry" (August 2007)

Jeanette Simmonds, "Historical and Contemporary Perspectives on Symbiotic Nitrogen Fixation"
(August 2007)

Eun-Sung Kim, "Stem Cells: Ethical and Political Perspectives" (May 2006)

MEMBER:

Heather Dewey-Hagborg (Arts Department), DNA surveillance and visualization (May 2016)

Ben Brucato, Video Surveillance and Police Violence (August 2015)

Tahereh Saheb, Environmental Policy in the Middle East (August 2015)

Brandon Costelloe Kuehn, "New Media and Environmental Communication" (August 2012)

Ross Mitchell, stem cell policy (August 2012)

Joshua Thorson (Arts Department, 2013)

Casey O'Donnell, "Help Wanted: Work and Play in the U.S. and India Video Gaming Industry"
(May 2008)

Marie Rarieya, "Agricultural Research, Global Environment Change and Food Security in Lake
Victoria Basin, Western Kenya" (May 2007)

Erich Schienke, "Greening the Dragon: Science and Environmental Governance in China"
(September 2006)

A. Christian Fricke, "Organizational Innovation in SETI, the Search for Extra-Terrestrial Life:
Ethnographic, Historical and Policy Perspectives" (May 2004)

Dean Nieuwsma, "Working Towards Appropriate Expertise in Sri Lanka" (May 2004)

Msmaku Asrat, "Modernization in Ethiopia" (May 2003)

Torin Monahan, "Information Technology, Globalization, and Education" (May 2003)

Jean-Francois Blanchette, "Building the European Trust Infrastructure: An Ethnography of
Cryptologists, Lawyers and Regulators" (May 2002)

Masters

CHAIR:

Lane DeNicola, "Science, Magic, Spectacle: The Development of the Zeiss Planetarium Projector in
Interwar Germany" (2003)

Jeanette Simmonds, "M. Butterfly: GMOs and Agriculture" (2003)

Jill Fisher, "Sociology of Munchausen's Syndrome" (2002)

MEMBERSHIPS

American Anthropological Association

Society for Cultural Anthropology

Society for Social Studies of Science

OTHER WORK EXPERIENCE

- 2012-2015 Member (President, 2015-), Brunswick Central School District Board of Education, Brunswick, NY.
- 1982-1986 Assistant Director, The Washington School, Institute for Policy Studies, Washington, D.C. Designed and organized adult education curriculum in public policy, political thought, and culture; two semesters per year, 12-16 courses, 3-4 all-day workshops, and 2-3 large public lectures (e.g. I.F. Stone, E.P. Thompson) per semester. Responsible for selection and hiring of course instructors; grant writing and organizing of fundraising events; production of course catalogs and monthly calendar of events; publicizing courses and special events to congressional offices, federal agencies, and public interest groups; and all aspects of school administration.