

**JOAN H. FUJIMURA****CURRICULUM VITAE**

March 2018

Department of Sociology  
University of Wisconsin-Madison  
8128 Wm. Sewell Social Science Building  
1180 Observatory Drive  
Madison, WI 53706

**ACADEMIC POSITIONS**

- 2001-Present Professor, Department of Sociology, University of Wisconsin-Madison  
Professor, Holtz Center for Research on Science and Technology, and Program in  
Science and Technology Studies, University of Wisconsin-Madison.
- Spring 2007 Visiting Professor, Program in Science, Technology and Society, MIT,  
Cambridge, Massachusetts.
- 2002-05 Founding Director, Robert F. and Jean E. Holtz Center for Research on Science and  
Technology and Program in Science and Technology Studies, University of Wisconsin-  
Madison.
- 2000-01 Abe Fellow, School of Social Sciences, Institute for Advanced Study, Princeton
- 1999- 2001 Member, School of Social Sciences, Institute for Advanced Study, Princeton
- 1993-99 Henry R. Luce Professor of Biotechnology and Society, and Associate Professor,  
Department of Anthropology, Stanford University.
- 1988-93 Assistant Professor, Department of Sociology, Harvard University.
- 1986-88 Postdoctoral Scholar, Research Program in Organizations and Mental Health,  
Department of Sociology, Stanford University.

**EDUCATION**

- Ph.D. University of California, Berkeley, Sociology, 1986.  
M.A. University of California, Berkeley, Sociology, 1981.  
B.A. University of Washington, Psychology, 1975.

**HONORS AND AWARDS**

- 2018-2019 **NSF** Grant, PI: Untangling the Production and Use of Infrastructures in the Production  
of Knowledge about Genetics, Blood, and Race (see Grants section).
- 2018-2019 Fellowship, Notre Dame Institute for Advanced Study, Notre Dame, Indiana. Declined.
- 2018-2019 Distinguished Visiting **Fellowship** at the Advanced Research Collaborative, The  
Graduate School and University Center of The City University of New York. Declined.
- 2016 Outstanding Women of Color **Award**, University of Wisconsin-Madison.
- 2016 OMAI/First Wave Outstanding Faculty/Staff **Award**, Office of Multicultural Arts  
Initiatives (OMAI), University of Wisconsin-Madison.
- 2016 University Housing's Honored Instructor **Award**, University of Wisconsin-Madison.
- 2014-2016 **NSF** Grant, PI: Knowledge Outputs and Organizational Changes: Innovation in  
Collaborative Scientific Research (see Grants section below)
- 2014-2015 **Fellowship**, Center for the Advanced Study in the Behavioral Sciences, Stanford  
University. Accepted.
- 2014-2015 Distinguished Visiting **Fellowship** at the Advanced Research Collaborative, The  
Graduate School and University Center of The City University of New York. Declined.

- 2013 David Edge **Prize** for the best article, awarded by the Society for the Social Study of Science, for “Different Differences,” published in *Social Studies of Science*, 41(1 February 2011).
- 2013-2014 Vilas Life Cycle Professorship **Award**, University of Wisconsin-Madison. (See Grants section below.)
- 2012-2013 **NIH** R03, PI: “Exploring Population Concepts in Multiethnic Gene-Environment Interaction Studies.” (See Grants section below.)
- 2010-11 Research Scholar (**Fellowship**), Russell Sage Foundation, New York, NY.
- 2010 Fall **Fellowship**, Institute for Research in the Humanities, University of Wisconsin-Madison, one semester, declined.
- 2009-11 **NIH** R03, PI: “Exploring Concepts of Population in Human Genetic Variation Studies.” (See Grants section below.)
- 2010-11 University of Wisconsin System Institute on Race and Ethnicity Seed grant.
- 2010-11 University of Wisconsin Graduate School Seed grant.
- 2008 Robert Wood Johnson Health and Society Scholars Program course development grant.
- 2008-09 University of Wisconsin System Institute on Race and Ethnicity Seed grant.
- 2007-08 University of Wisconsin Graduate School Seed grant.
- 2006-09 **NSF** Grant, PI: “Exploring Concepts of Population in Human Genetic Variation Studies.” (See Grants section below.)
- 2006-08 Vilas Associate Faculty Research **Fellowship**, University of Wisconsin-Madison. Two years of summer research and salary support.
- 2004 University of Wisconsin System Institute on Race and Ethnicity Seed grant.
- 2003-06 **NIH** Grant, co-PI: “Community Consultation as an Ethics Method.” (See Grants section below.)
- 1999-01 The Abe **Fellowship** (awarded by the Social Science Research Council, the American Council of Learned Societies, and the Japan Foundation Center for Global Partnership). Research at University of Tokyo, Japan, and School of Social Sciences, Princeton.
- 1999-01 **Fellow**, Institute for Advanced Study, Princeton, NJ.
- 1999-00 J. William **Fulbright** Foreign Scholar Lectureship (declined).
- 1998 Robert K. Merton Professional **Book Award** presented by the American Sociological Association for the book *Crafting Science: A Sociohistory of the Quest for the Genetics of Cancer* (Harvard University Press, 1996).
- 1996 **Fellow**, Postdisciplinary Approaches to the Technosciences, University of California Humanities Research Institute, Irvine, California, Winter and Spring.
- 1994 National Endowment for the Humanities (NEH) Summer Grant.
- 1993 **NSF** Grant for Conference on Gender and Science.
- 1992 **Social Science Research Council** Grant.
- 1989 Clark Fund research grant, Harvard University
- 1989 William F. Milton Fund research grant, Harvard University
- 1988 **Best Dissertation Award** presented by the Medical Sociology Section of the American Sociological Association.
- 1984-86 Graduate **Fellowship**, University of California, Berkeley.
- 1979-84 American Sociological Association **Fellowship**.

## PUBLICATIONS

## ARTICLES

“Constructing Doable Problems in Cancer Research: Articulating Alignment,” *Social Studies of Science* 17:257-93 (May 1987).

“Methodes de Recherche en Sociologie des Sciences: Travail, Pragmatisme et Interactionnisme Symbolique,” *Cahiers de Recherches Sociologiques* 5:65-85 (Automne 1987), joint with S.L. Star and E.M. Gerson.

“The Molecular Biological Bandwagon in Cancer Research: Where Social Worlds Meet,” *Social Problems* 35:261-283 (June 1988).

Reprinted in Anselm Strauss and Juliet Corbin (eds.), *Grounded Theory in Practice*. Thousand Oaks: Sage Publications, 1997.

“On Methods, Ontologies, and Representation in the Sociology of Science: Where Do We Stand?” In David Maines (ed.), *Social Organization and Social Process: Essays in Honor of Anselm L. Strauss*. Hawthorne, NY: Aldine de Gruyter, 1991, pp. 207-248.

“Crafting Science: Standardized Packages, Boundary Objects, and ‘Translations’.” In Andrew Pickering (ed.), *Science as Practice and Culture*. Chicago: University of Chicago Press, 1992, pp. 168-211.

Translated to Chinese and published by Chinese Remin University Press, December 2006.

“What Tools? Which Jobs? Why Right?” In Adele Clarke and Joan H. Fujimura (eds.), *The Right Tools for the Job: At Work in 20th Century Life Sciences*. Princeton: Princeton University Press, 1992, pp. 3-44. (Co-authored with A. Clarke.) (Translated into French.)

“Dissent in Science: Styles of Scientific Practice and the Controversy Over the Cause of AIDS,” *Social Science and Medicine* 38:1017-1036 (April 1994). (Co-authored with D. Chou.)

“Styles of Practice in HIV/AIDS Research,” *Techniques et Culture*, vol. 25-26 (Decembre-Janvier 1995):195-244.

“Ecologies of Action: Recombining Genes, Molecularizing Cancer, and Transforming Biology.” In S. L. Star (ed.), *Ecologies of Knowledge: New Directions in the Sociology of Science and Technology*. Albany, N.Y.: State University of New York Press, 1995, pp. 302-346.

“Constructing Knowledge Across Social Worlds: The Case of DNA Sequence Databases in Molecular Biology.” In Laura Nader (ed.), *Naked Science: Anthropology Inquiry into Boundaries, Power, and Knowledge*. New York and London: Routledge Press, 1996, pp. 160-173. (Co-authored with M. Fortun.)

“Standardizing Practices: A Socio-History of Experimental Systems in Classical Genetic and Virological Cancer Research, ca. 1920-1978,” *History and Philosophy of the Life Sciences* 18 (September 1996): 3-54.

“Authorizing Knowledge in Science and Anthropology,” *American Anthropologist* 100 (2) (June 1998): 347-360.

Published in French as "L'autorité du savoir en question," Special issue on *Impostures scientifiques*. *Alliage* 35-36 (Été-Automne 1998): 214-236.

Published in German in *Science Wars - Krieg der Kulturen?* Edited by Michael Scharping, ed. Münster, Germany: Westfälisches Dampfboot, 2001.

Published in Spanish translation of *Imposturas científicas*. Translated by M. A. Galmarini. Madrid: Cátedra, 2003.

Published in Portuguese in *Conhecimento Prudente Para uma Vida Decente: Um Discurso Sobre as Ciências Revisitadas*. Edited by Boaventura de Sousa Santos. Porto, Portugal: Afrontamento, 2003.

Republished in English in *Cognitive Justice in a Global World: Prudent Knowledge for a Decent Life*. Edited by Boaventura de Sousa Santos. Lexington Books, 2007.

“Authorizing Science Studies and Anthropology,” *American Anthropologist* 101 (2) (June 1999): 381-384.

“The Practices and Politics of Producing Meaning in the Human Genome Project,” *Sociology of Science Yearbook*, Vol. 21, no. 1 (1999): 49-87.

“Transnational Genomics in Japan: Transgressing the Boundary Between the ‘Modern/West’ and the ‘Pre-Modern/East.’” In *Doing Science + Culture*. Roddey Reid and Sharon Traweek, eds. New York and London: Routledge Press, 2000, pp. 71-92.

“Future Imaginaries: Genome Scientists as Socio-Cultural Entrepreneurs.” In A. Goodman, D. Heath, S. Linde (eds.), *Genetic Nature/Culture: Anthropology and Science Beyond the Two Culture Divide*. Berkeley: University of California Press, 2003, pp. 176-199.

“Postgenomic Futures: Translations Across the Machine-Nature Border in Systems Biology,” *New Genetics and Society*, vol. 24, 2 (August 2005): 195-225.

“Sex Genes: A Critical Socio-Material Approach to the Politics and Molecular Genetics of Sex Determination,” *Signs*, vol. 32, 1 (Autumn 2006): 49-82.

Shorter version translated into French as “Un ‘surplus retif’ requiert notre attention,” in *Le Sexe Biologique: Anthologie historique et critique*, Thierry Hoquet (ed.), Hermann Press, 2014, pp. 482-489.

“Five Questions.” In Jan-Kyrre Berg Olsen and Evan Selinger (eds), *Philosophy of Technology: 5 Questions*. Automatic Press/VIP, 2007, pp. 63-74.

“The Science and Business of Genetic Ancestry Testing,” *Science*, vol. 318 (19 October 2007): 399-400. (Joint with Deborah A. Bolnick, Duana Fullwiley, Troy Duster, Richard S. Cooper, Jonathan Kahn, Jay S. Kaufman, Jonathan Marks, Ann Morning, Alondra Nelson, Pilar Ossorio, Jenny Reardon, Susan M. Reverby, Kimberly TallBear.)

The Legitimacy of Genetic Ancestry Tests (Response to Frudakis), *Science* 319: 1039-1040. (Joint with D.A. Bolnick, D.A., D. Fullwiley, J. Marks, S. M. Reverby, J. Kahn, K. Tallbear, J. Reardon, R.S. Cooper, T. Duster, J.S. Kaufman, A. Morning, A. Nelson, P. Ossorio.)

Fujimura, JH, T Duster and R Rajagopalan, “Race, Genetics and Disease: Questions of Evidence, Matters of Consequence,” *Social Studies of Science* 38/5 (October 2008): 643-656.

Calvert J and JH Fujimura, “Calculating life? A sociological perspective on systems biology,” *European Molecular Biology Organization EMBO Reports* 10 (August 2009): 546-549.

Fujimura, JH and R Rajagopalan, “Genomische Diversität – mit oder ohne ‘Rasse’?”, *Gen-ethischer Informationsdienst (GID)*, 197 (Dezember 2009), 8-10.

Fujimura, JH, R Rajagopalan, PN Ossorio, KA Doksum, “Race versus ancestry: Operationalizing populations in human genetic variation studies.” In *What’s the Use of Race*, edited by D. Jones and I. Whitmarsh, MIT Press, 2010, pp. 169-183.

Fujimura, JH and R Rajagopalan “Different differences: The use of ‘genetic ancestry’ versus race in biomedical human genetic research,” *Social Studies of Science*, 41(1 February 2011): 5-30.

Calvert, J and JH Fujimura, "Calculating life? Duelling discourses in interdisciplinary systems biology," *Studies in the History and Philosophy of the Biological and Biomedical Sciences*, 42 (April 2011): 155–163.

Fujimura, JH, "Technobiological Imaginaries: How Do Systems Biologists Know Nature." In *Knowing Nature: Conversations at the Intersection of Political Ecology and Science Studies*, Edited by M.J. Goldman, P. Nadasdy, and M.D. Turner. Duke University Press, April 2011.

Rajagopalan, R and JH Fujimura, "Making History via DNA, Making DNA From History: Deconstructing the Race-Disease Connection in Admixture Mapping." Pp. 143-163 in *Genetics and the Unsettled Past: The Collision of DNA, Race, and History*. Keith Wailoo, et al., eds. Rutgers University Press, 2012.

Rajagopalan, R and JH Fujimura, "Medicine and Society: Will Personalized Medicine Challenge or Reify Categories of Race and Ethnicity?" *American Medical Association Journal of Ethics*, August 2012, Volume 14, Number 8: 657-663.

Rajagopalan, R and JH Fujimura, "The Human Genome Project." In *Science and Politics: An A-Z Guide to Issues and Controversies*, ed. B. Steel. Sage Publications, Thousand Oaks, CA, 2014.

Fujimura, Joan H., Deborah A. Bolnick, Ramya Rajagopalan, Jay Kaufman, Richard C. Lewontin, Troy Duster, Pilar Ossorio, Jon Marks. "Clines without Classes: How to Make Sense of Human Variation" *Sociological Theory*, 20 (2014, 32: 208-227).

Fujimura, Joan H. A different kind of association between socio-histories and health," *British Journal of Sociology* 66 (2015, 1): 58-67.

Rajagopalan, R., A. Nelson, J.H. Fujimura, "Race in the Twenty-first Century." In U Felt, R Fouché, CA Miller, and L Smith-Doerr (eds.), *The Handbook of Science and Technology Studies*, pp., MIT Press, 2016, pp. 349-378.

Doksum KA and JH Fujimura, Discussion of Post Selection Shrinkage Estimation for High Dimensional Data Analysis. *Applied Stochastic Models in Business and Industry*, Volume 33, Issue 2, 2017, p. 130.

Rajagopalan R and JH Fujimura, "Variations on a Chip: Technologies of Difference in Genetics Research," accepted with revisions, *Journal of the History of Biology*.

## BOOKS

Journal Special Issue: "Race, Genomics, and Biomedicine," *Social Studies of Science* 38/5 (October 2008). (Special issue co-edited with Troy Duster.)

*Crafting Science: A Socio-History of the Quest for the Genetics of Cancer*. Harvard University Press, 1996.

Translated into Chinese and published as *Chuang Li Ke Xue: Ai Zheng Yi Chuan Xue She Hui Shi*. Qiong, Ten Cun (Joan, Fujimura translated into Chinese). Translated by: Xia, Houbing and Liu, Xishen. Published by Jiang Xi Jiao Yu Chu Ban She, 2001.

*The Right Tools for the Job: At Work in 20th Century Life Sciences*. Princeton: Princeton University Press (co-edited with Adele Clarke), 1992.

Translated into French and published as *La Matérialité des Sciences: Savoir-faire et instruments dans les sciences de la vie*. Paris: Synthelabo-Les empêcheurs de penser en rond, 1996.

## BOOKS IN PROGRESS

*What is Race in the Age of Genomics?* (working title). Writing introduction, other chapters are completed. Promised to University of Chicago Press.

## ARTICLES IN PROGRESS

“Big Biology, Infrastructures, Algorithms, and Race: How genomics became imbricated in representations of race and how race representations became imbricated in genomics.” To be submitted to AJS.

“Examining innovation in collaborative scientific research: Epistemics and Institutions in Interdisciplinary Research” In progress. (With Ramya Rajagopalan, K.A. Doksum, Jordan Garner, Laura A. Frye-Levine.)

“Trends in interdisciplinary research.” In progress. (With Michael Smallegan, Kjell A. Doksum, John Denu.)

“Debates in Epigenetics Research.” In progress.

## RECENT RESEARCH GRANTS 2005-Present

### Principal Investigator:

- |           |   |
|-----------|---|
| 2018-2019 | NSF SES-1755003, STS: Project Title: “Untangling the Production and Use of Infrastructures in the Production of Knowledge about Genetics, Blood, and Race.” June 2018-May 2019. \$179,974.  |
| 2014-2016 | NSF SES-1360241, Sociology Section: \$272,534. Project Title: “Knowledge Outputs and Organizational Changes: Innovation in Collaborative Scientific Research.” August 1, 2014 - July 31, 2016. PI Fujimura, Co-PI Kjell Doksum.   |
| 2013-2014 | Vilas Life Cycle Professorship Award, University of Wisconsin-Madison. \$28,945 in Research Assistant salary, fringes, and tuition remission, and travel.   |
| 2012-2014 | NIH R03HG006571. Project title: “Exploring Population Concepts in Multiethnic Gene-Environment Interaction Studies.” R03HG006571-02 (End date extended from 2013 to 2014). (Fujimura, PI) 2/27/2012-12/31/2014. Total \$150,500.  |
| 2011-2012 | U.W. Graduate School Seed Grant. “Connecting work organization to knowledge outcomes in biomedical science: Examining the roles of Interdisciplinarity and collaboration in systems biology and epigenetics research.” Award amount: \$22, 925. To fund a graduate student project assistant for 12 months. |

- 2009-2011 **NIH** R03HG0005030. Project title: “Exploring the Concept of Population in Human Genetic Variation Studies.”  
(Fujimura, PI) 6/26/2009-4/30/11. \$150,000.  
Funding of postdoctoral scholar to help analyze data collected using NSF funds.
- 2010-2011 U.W. Graduate School Seed Grant. “Personalized Medicine? Investigating consumer and physician perspectives on direct-to-consumer genetic risk tests.” Award amount: \$33,735. To fund a graduate student research assistant for 12 months.
- 2010-2011 University of Wisconsin System Institute on Race and Ethnicity Seed grant. \$2500 to fund transcription of interviews.
- 2006-2010 **NSF** SES-0621022. Project title: “Exploring the Concept of Population in Human Genetic Variation Studies.”  
(Fujimura, PI) 9/1/06 to 8/31/10. \$350,000.  
Explore how scientists operationalize the notion of population during the design, data collection, and analysis processes in human genetics laboratories that study disease gene-association, haplotype groups, and evolutionary genetics.
- 2008-09 University of Wisconsin System Institute on Race and Ethnicity Seed grant. \$3900 to fund transcription of interviews.
- 2008 Robert Wood Johnson Health and Society Scholars Program course development grant. \$5000.
- 2007-2008 U.W. Graduate School Seed Grant. “Exploring the Concept of Population in Human Genetic Variation Studies.” Award amount: \$19,735. To fund a graduate student research assistant.
- Spring 2004 U.W. System Institute on Race and Ethnicity. Project title: “Race, Genetics, and Disease: Questions of Evidence, Questions of Consequence.” Seed grant funds were used to write a grant proposal which was submitted in October 2004 to NIH ELSI and to fund some participants in the April 2004 Symposium of the same title. \$9400 awarded.
- Co-PI:**
- 2009-2012 **NSF** SES-0849122 (Kalil PI) 9/1/2009-8/31/2012  
Neuroscience and Public Policy  
ARRA Small Grant for Training and Research in Neuroscience and Public Policy at the University of Wisconsin-Madison (UW-Madison).
- 2008, 2005 **NSF** Grant. “Center For Nanotechnology and Society at Arizona State University.”  
University of Wisconsin is one of five universities in partnership with Arizona State for a Center Grant for Policy and Social Implications Studies of Nanotechnology. One month summer salary, 2008. Funds to support a Sociology graduate student who wrote his dissertation on nanotechnology research and development in Beijing and Shanghai, 2005.
- 2004-2007 **NIH** ELSI 5R01HG003042-02  
(Ossorio PI) 4/16/2004-3/31/2007. \$750,000 direct.  
“Community Consultation as an Ethics Method.”

The project examined whether and how community consultations achieve the ethics and policy goals they were supposed to achieve and to suggest guidelines to the NIH.

### **SELECTED RECENT PRESENTATIONS** (since 2004)

“Postgenomic Complexity.” Invited presentation to the Chaos and Complex Systems Seminar, University of Wisconsin-Madison, April 24, 2018.

“Innovation Science, GWAS, and Blood Infrastructures: Where are we situated?” Invited presentation to the Workshop “Transitions in Science Governance – Where to start?” Trondheim, Norway, 8-9 February 2018.

“Big Biology, Infrastructures, Algorithms, and Race: How Genomics became Imbricated in Representations of Race,” Invited presentation, Presidential Panel, American Historical Association Annual Meetings, Washington, DC, January 2018.

“Big Biology, Infrastructures, Algorithms, and Race: How Genomics became Imbricated in Representations of Race,” Society for the Social Studies of Science Annual Meetings, Boston, MA, August 2017.

“Challenge to Bernal Prize Winner Michael Lynch’s on Ontography: Investigating the production of things, deflating ontology,” Society for the Social Studies of Science Annual Meetings, Boston, MA, August 2017.

“Current Debates about ‘Race’ in the U.S. in the Age of Genomics.” Invited presentation to the conference on “Race-conscious and colorblind framings: Converging and Diverging trends in Europe and the Americas,” Paris, France, 22-23 June 2017.

“Concepts of Race in the Age of Genomics.” Invited presentation in the Distinguished Lecture Series, Science and the Publics, University of Wisconsin-Madison, 20 April 2017.

“Big Biology, Infrastructures, and Race: How genomics became imbricated in representations of race and how race representations became imbricated in genomics.” Invited presentation to the Department of Science and Technology Studies, Cornell University, 17 April 2017.

“The Making of Racial/Ethnic Groups as Genetic Categories through Medical Research.” Invited Presentation to the Conference on Southern Oceanic Topologies and Genealogies: Genetic Explorations of the Pacific and Australasia, Sydney, Australia, December 2016.

“Debates about Race, Genetics, and Epigenetics.” Invited presentation to the BioHumanities Interchange Program, University of Illinois at Urbana-Champaign, Nov 10-11, 2016. Also, meetings with postdocs, faculty, and graduate students in the humanities and sciences.

“Big Biology, Infrastructures, Algorithms, and Race: How genomics became imbricated in representations of race and how race representations became imbricated in genomics.” Invited presentation to the Sociology Department, Michigan State University, October 7, 2016.

“Implications of Genomic Research on Social Conceptions of Race.” Invited Steiglitz Lecture to the Sociology and Anthropology Departments, College of Wooster, Ohio, April 5, 2016.



“Variations on a Chip: Polymorphisms, Microarrays, and Genomic Studies of Health and Disease,” History of Science Society Annual Meetings, November 19-21, 2015, San Francisco. Joint with R. Rajagopalan.

“Epistemics and Institutions in Interdisciplinary Life Sciences Research,” Society for the Social Studies of Science Annual Meetings, November 11-14, 2015, Denver. Joint with R. Rajagopalan.

"Big Biology, Infrastructures, and Race: How Genomics Is Being Used to Misrepresent Race." Invited presentation to the Sociology Department, Ohio State University, October 29, 2015.

"Big Biology, Infrastructures, and Race: How Genomics Is Being Used to Misrepresent Race." Invited presentation to Norges Museum of Science and Technology, Oslo, Norway, September 3-5, 2015.

“How is the HapMap used in GWAS?” Invited presentation to the Workshop on Capturing the History of Genomics, Bethesda, MD, April 29-30, 2015.

"Big Biology, Infrastructures, and Race: How Genomics Is Being Used to Misrepresent Race." Invited presentation to the Institute of Sociology (IOS), Academia Sinica, Taipei, Taiwan, March 30, 2015.

“Genes and Science, Technology & Society (STS): Reflections on the Challenge of Genetic Technology in Biomedical Research.” Keynote speech for the STS Annual Meeting, Taipei, Taiwan, March 28, 2015.

“Big Biology, Infrastructures, and Race: How Genomics is Being Used to Misrepresent Race.” Invited presentation, Center for Advanced Study in the Behavioral Sciences, Stanford, CA, March 19, 2015.

“Confounded Categories: What is Race in the Age of Genomics.” Invited presentation, Department of Sociology, University of California-Berkeley, March 9, 2015.

“An Unintended Consequence of Big Biology: How genomics is being used to reproduce U.S. race categories.” Invited presentation to the Science and Technology Studies Program, University of California at San Diego, December 1, 2014.

“Clines without classes: A critique of the use of new genomic data to reconstitute biological race categories.” Presented to the Stanford Center for Biomedical Ethics, November 11, 2014.

"Clines Without Classes: A Critique of How the Use of New Genomic Data Reconstitutes Race." Invited presentation, Department of Social Sciences, Willamette University, Oregon, October 30, 2014.

“A critique of the use of new genomic data to reconstitute biological race categories.” Invited presentation at the Annual Meetings of the American Sociological Association, San Francisco, CA. August 2014.

“Technoscience, Knowledge, and Power.” Invited presentation at the International Conference on Critical Sociology – Current Issues and Future Challenges, Goethe Universität Frankfurt am Main, 23-25 June 2014.

“Race in the Age of Genomics.” Presented to the Social Inequalities and Health Disparities Program, Diversity Institute, University of California, Berkeley, 16 March 2014.

"Big Biology: Building large- scale, big data infrastructures." Invited presentation to the Centre for Technology and Society, Norwegian University of Science and Technology, Trondheim, Norway, 5 March 2014.

"Is genomics being used to reproduce U.S. race categories as genetic categories?" Invited presentation to the Centre for Technology and Society, Norwegian University of Science and Technology, Trondheim, Norway, 4 March 2014.

"An Unintended Consequence of Big Biology: How genomics is being used to reproduce U.S. race categories as genetic categories." Invited presentation in the "Organizing Uncertainty" Lecture Series, Department of Organizations, Copenhagen Business School, Denmark, 28 February 2014.

"Bodies and Environments: Institutional and Epistemic Practices in Epigenetics." Presented at the Annual Meeting of the Society for Social Studies of Science (4S), October 2013, San Diego, CA.

"The Reproduction of Biological Race Categories in Contemporary Biomedical Genomics." Invited presentation to American Sociological Association Annual Meeting, 11 August 2013, New York, NY.

"Science Studies and the Future of Race: Imagining and Constructing Futures," Distinguished Lecture presented to the Society for the Study of Symbolic Interaction, 9 August 2013, New York, NY.

"The HapMap and the Turn to Difference in the Age of Postgenomics." Invited presentation to the Workshop on "Reconsidering Race," 3-5 May 2013, Texas A&M University, College Station, TX.

"Confounded Categories: The Race Concept in the Age of Postgenomics. Invited presentation to the Feminist Studies of Science Program and the Science and Technology Studies Program, April 2013, University of Michigan, Ann Arbor.

"Confounded Categories: Contested Histories and Consequences of the HapMapping of DNA to Geographies." Invited presentation to the Conference on Beyond the Genome Conference, January 2013, National University of Science and Technology, Singapore.

Confounded Categories: Is the HapMap a Race-based Project? Presented at the Annual Meeting of the Society for Social Studies of Science (4S), October 2012, Copenhagen, Denmark.

"Risk Genomics: Pharmacogenomics and Personalized Medicine in Clinical Research and Practice." Presented at the American Sociological Association Annual Meeting, Denver, CO, August 20, 2012. (Joint with Ramya Rajagopalan.)

"Confounded Categories: Contested Histories and Consequences of the HapMapping of DNA to Geographies." Invited presentation to the Midwest Science Studies Conference on "Facts, Artifacts, and the Politics of Consensus," Evanston, IL, 5 May 2012.

"Confounded Categories: Contested Histories and Consequences of the HapMapping of DNA to Geographies." Invited presentation at the Workshop on "Population Diversities Past and Present: Stakes, Taboos, Genealogies," Max Planck Institute for the History of Science, 19 April 2012.

"Confounded Categories: Is the HapMap a Race-based Project?" Presented at the Meetings of the International Society for the History, Philosophy and Social Studies of Biology, Salt Lake City, UT, July 15, 2011.

"Different Differences: Race versus ancestry in the age of genomics." Invited lecture to the Sociological Imagination Lecture Series, New School for Social Research, New York, NY, March 29, 2011.

"Different Differences: The use of ancestry versus race in biomedical human genetic research." Invited lecture presented to the Race Lecture Series, University of King's College, Halifax, Nova Scotia,

Canada, March 22, 2011. The lecture series is supported by the Evolution Studies Group at Dalhousie University, Situating Science Knowledge Cluster, Race Lecture Series, and the University of King's College.

"What is Race in the Age of Genomics?" Invited Presentation to the Russell Sage Foundation, New York, NY, March 16, 2011.

"Social Implications of Constructing Ancestry in Genetic Epidemiology." Invited presentation to the Life Sciences and Society Program, University of Missouri, Columbia, MO, October 29, 2010.

"Circumventing or Reifying Race: The use of ancestry versus race in biomedical human genetic research." Invited presentation to the Department of Sociology, CUNY Grad Center, October 22, 2010.

"Different differences: Human populations and the new genomics." Keynote Closing Address to the Conference on East Asian Biosciences: Transnational Competition and Collaboration. University of Illinois, Urbana-Champaign and Indiana University, Champaign, IL, Oct 7-8, 2010.

"Constituting Individuals and Groups in Personalized Medicine." Presented at the Annual Meeting of the Society for Social Studies of Science (4S), Tokyo, Japan, 25-28 August 2010. (Joint with R. Rajagopalan)

"Constructing Ancestry in Genetic Epidemiology." Presented at the Annual Meeting of the American Sociological Association, Atlanta, Georgia, 14-17 August 2010. (Joint with R. Rajagopalan)

"Different Differences: The use of ancestry versus race in biomedical human genetic research." Invited lecture to the Human Rights and the New Sciences Symposium, University of Chicago, Chicago, Illinois, May 14-15, 2010.

"Constituting Individuals and Groups in Personalized Medicine." Invited presentation at the Chemical Heritage Foundation 2010 Annual Gordon Cain Conference on "Personalized Medicine Here and Now: Empirical Studies of Post-Genomic Medicine," Philadelphia, PA, 6-7 May 2010. (Joint with R. Rajagopalan)

"Different Differences: Human Populations and the New Genomics." Invited lecture to the History and Sociology of Medicine, Centre de Recherche Medicine, Sciences, Sante, et Societe (CERMES), CNRS, Paris, France, 5 May 2010.

"Circumventing or reifying race? The use of ancestry versus race in biomedical human genetic research." Invited lecture to the 2009-2011 Global Initiative theme *Ecologies in the balance*, Rutgers University, New Brunswick, NJ, 16 Feb 2010.

"Different Differences: Human Populations and the New Genomics." Invited presentation to the Department of Sociology, Columbia University, New York, NY, 9 December 2009.

"Genome Geography: Mapping and Measuring Differences in Biomedical Genomics." Keynote address to the ESRC Genomic Era: Measurements and Meanings, Cardiff, Wales, United Kingdom, 7-9 October 2009.

"Circumventing or reifying race? The use of ancestry versus race in biomedical human genetic research." Invited presentation to the conference on "Sex and Race : Modern and Contemporary Crossing Conceptions in Biological and Medical Sciences," 29 May 2009, Université Paris 1 Panthéon\_Sorbonne, Paris, France.

“Different differences: The use of ancestry versus race in biomedical human genetic research.” Invited presentation to International Symposium: Human Genomic Diversity and Biomedical Research, London School of Economics and Political Science (LSE), London, United Kingdom, 27 - 28 March 2009.

“Imagining the Past, Present, and Future in Japanese Biotechnology.” Invited presentation to the Workshop on Sociotechnical Imaginaries Conference Paper, Harvard University, Cambridge, MA, 15-16 November 2008.

“Calculating life? A sociological perspective on systems biology.” Invited presentation at the 9<sup>th</sup> EMBL/EMBO Joint Conference, 7-8 November 2008, European Molecular Biology Laboratories, Heidelberg, Germany. (Joint with Jane Calvert.)

“Epistemic styles of practices in Japanese biotechnology, 1990-2007. Invited presentation at the Workshop on “Writing Genomics: Historiographical challenges for new historical developments,” Max Planck Institute for the History of Science, Berlin (MPIWG), Germany, 29-31 October 2008.

“Interdisciplinary Collaboration in the Biosciences: Where Epistemic Cultures Meet.” Invited presentation to the First Annual UW-Madison Symposium on the Integration of Mathematical and Biological Sciences, University of Wisconsin-Madison, 3 September 2008.

“Institutionalizing interdisciplinarity in systems biology: social and epistemic dimensions.” Presented at the Annual Meeting of the Society for Social Studies of Science (4S), Rotterdam, the Netherlands, August 2008. (Joint with Jane Calvert.)

“Big Science, Little Chip: The lab as a multi-sited network.” Presented at the Annual Meeting of the Society for Social Studies of Science (4S), Rotterdam, the Netherlands, August 2008. (Joint with Ramya Rajagopalan.)

“Fishin’ Chips: How Random are Random Markers in Microarrays Used in Biomedical Genomics.” Presented at the “Genetics, History and Public Understanding” 3<sup>rd</sup> International Workshop, at the Annual Meeting of the European Society for Human Genetics, Barcelona, Spain, May 2008. (Joint with Ramya Rajagopalan.)

“The use of ancestry versus race in biomedical human genetic research.” Invited presentation to the conference on “What’s the Use of Race,” Center for the Study of Diversity in Science, Technology, and Medicine, MIT, Cambridge, MA, 25-26 April 2008. Joint with Ramya Rajagopalan.

“Making History via DNA, Making DNA From History: Admixture Mapping, Ancestry, and Race.” Working paper for invited workshop on “DNA, Race, and History,” Center for Race and Ethnicity, Rutgers University, New Jersey, 18-19 April 2008. Joint with Ramya Rajagopalan.

“Population Labels and Software Programs in Studies of Genomics and Diseases.” Invited presentation to the workshop on Packages, Labels, and Vehicles, London School of Economics and Political Science (LSE), London, UK, 28-29 March 2008.

“Epistemology in Action: Knowledge Production in Context.” Distinguished Speaker Series, Collin College, Plano, Texas, March 4, 2008.

“Race, Genetics, Disease: Are the New Genomics Challenging or Reifying Social Categories?” Invited presentation to the Alice Kaplan Humanities Institute and the Sociology Department, Northwestern University, Evanston, Illinois, February 26, 2008.

“Race, Genetics, Disease: Are the New Genomics Challenging or Reifying Social Categories?” Invited

presentation to the Center for Society and Genetics and the Sociology Department, University of California, Los Angeles, February 13, 2008.

“Transnational Laboratories: Encountering Nations, Economies, Gender, and Postcolonialism in a Japanese Genomics and in South Asian Medical Transcription.” Society for the Social Studies of Science (4S) Annual Meetings, Montreal, Quebec, Canada, 10-13 October 2007. Joint with Amit Prasad.

“Systems biology: the revolution after the revolution?” International Society for the History, Philosophy and Social Study of Biology (ISHPSSB), University of Exeter, United Kingdom, July 2007, joint with Jane Calvert.

“Exploring notions of race and population in human genetic variation studies.” Invited presentation to the Harvard STS Circle, Cambridge, MA, 30 April 2007.

“Examining notions of “culture” and “nature” in social studies of science.” Invited presentation to the Program in Science, Technology and Society, MIT, Cambridge, MA, 23 April 2007.

“Lessons from Nanobioscience in China for Science Studies,” co-authored with Ricky Leung, Society for the Social Studies of Science (4S) Annual Meetings, Vancouver, BC, Canada, 1-5 November 2006.

“Hybridity and Disciplinarity in the Natural Sciences,” Invited Thematic Panel Presentation at the annual meetings of the American Sociological Association, Montreal, Quebec, Canada, 11-14 August, 2006.

“Systems Biology’s Reframing of Nature.” Invited presentation at the International Workshop on Framings of Nature(s), hosted by the University of Oslo, held in Rosendal, Norway, 9-11 May 2006.

“A Genealogy of Interactionist Ethnography of Science in the Disciplines of Sociology and Anthropology,” Society for Cultural Anthropology, Milwaukee, WI, 5-6 May 2006.

Conceptualizing Environments in Human Systems Biology.” Invited presentation at the Interdisciplinary Workshop on “Political Ecologies of Knowledge, Science & Technology, March 6-7, 2006, University of Wisconsin-Madison.

“Postgenomic Futures: Translations Across the Machine-Nature Border in Systems Biology,” Society for the Social Studies of Science (4S) Annual Meetings, Pasadena, California, 20-22 October 2005.

"Postgenomics? Visions of the past, present, and future." Keynote address presented to the Egenis (ESRC Center for Genomics in Society) Conference on *Genomics in Context*, University of Exeter, Exeter, United Kingdom, 28-30 September 2005.

“What does it mean to talk about Japanese science?” Invited presentation to the Japan Studies Program, University of California, Los Angeles, 9 May 2005.

“Postgenomic Futures: A Study of Systems Biology and Developmental Systems Theory.” Invited presentation, the Studies of Science and Technology Colloquium, Minnesota Center for Philosophy of Science, University of Minnesota, 8 April 2005.

“Social Studies of Scientific Practice: The Promises and Realities of Cross-Disciplinary Dialogue.” Invited presentation to the Environment and Development Advanced Research Circle (EDARC), University of Wisconsin, Madison, 27 October 2004.

Discussant, Session on “The Interface: Questions of agency in computing and new media arts.” Presented at the joint meeting of the Society for the Social Studies of Science (4S) and the European Association for Studies of Science Technology (EASST), Paris, France, 28 August 2004.

“Systems Biology, Postgenomics, and Futures.” Presented to the Initiative for Studies in Technology Entrepreneurship (INSITE) and the Weinert Center for Entrepreneurship, School of Business, University of Wisconsin, Madison, 23 March 2004.

“Systems Biology: Where Developmental Systems Theory, Artificial Systems (Robotics), and Feminist Biologies Converge in Close Encounters.” Invited plenary presentation to the First ESRC Centre for the Economic and Social Aspects of Genomics (CESAGen) Conference, Royal Society, London, United Kingdom, 2-3 March 2004.

## **SELECTED CURRENT AND RECENT PROFESSIONAL ACTIVITIES**

### **University of Wisconsin, campus-wide:**

Founding Director of the Program in Science and Technology Studies (STS) and the Robert F. and Jean E. Holtz Center for Research on Science and Technology, University of Wisconsin, Madison, 2002-05. I built the Interdisciplinary Program in Science and Technology Studies (STS) and the Holtz Center for Research in Science, Technology, Medicine, and the Environment. I serve as a **permanent member** of the STS Steering Committee.

Vice Provost’s Climate Survey Task Force, May 2017-October 2017.

Member, WID Committee to develop a trans-disciplinary PhD program to be presented to the Graduate School.

Asian American Studies Program Advisory Committee, Member.

Ad Hoc Diversity Planning Committee. Provosts’ Committee to develop a new, comprehensive 5-year diversity plan for the University of Wisconsin campus. February 2013-July 2014.

Committee on Comparative U.S. Studies (CUSS) – continuing.

Provost’s Cluster Advisory Committee, Cluster Chair.

Advisor on Interdisciplinary Research for the Wisconsin Institute of Discovery.

### **Recent National and International Professional Activities:**

Grant Reviewer (Current):

National Institutes of Health (NIH) Ethics, Legal, and Social Impacts of the Human Genome Project; NSF Science and Society; NSF Sociology; others on intermittent basis.

Editorial Boards, current and recent:

*Social Studies of Science*. 2008-Present.

*East Asian Science, Technology and Society: An International Journal*, 2006-Present.

*Book Series on Decolonial Options for the Social Sciences:*

Border Selves, Embodiment, Indigenous Knowledges and Practices, Cognitive Cultures, and Statehoods

New Genetics and Society, editorial board, ?-2015.  
*RECIIS Electronic Journal in Communication, Information and Innovation in Health*,  
2007-?.

*Contemporary Sociology*, 2009-2011.

Reviewer for many journals in the fields of Sociology, Science Studies, Gender Studies, Race Studies.

#### Past Professional Associations and Responsibilities:

2009-2011 Nominations Committee, American Sociological Association.

2006 Program Committee Member, American Sociological Association Annual Meetings.

2005 Program Committee Member, American Sociological Association Annual Meetings.

Past Chair (2003-2005), Chair (2001-2003), and Chair-Elect (1999-2001) of the American Sociological Association, Section on Science, Knowledge and Technology.

Society for the Social Studies of Science (4S), Council Member, 1990s.

Organizer of many conference sessions. Latest include an Author-Meets-Critics book by Alondra Nelson at the Montreal 2017 ASA meetings and a Session on Algorithms and their Politics at the 2017 meetings of the Society for the Social Studies of Science, Boston.

Consultant for universities that want to build interdisciplinary social studies of science and technology programs or departments (most recently, Ohio State University).