

SHOBITA PARTHASARATHY

FORD SCHOOL OF PUBLIC POLICY, UNIVERSITY OF MICHIGAN
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ACADEMIC POSITIONS

University of Michigan

Professor, Ford School of Public Policy, September 2018-present
Director and co-founder, Science, Technology, and Public Policy Program, 2016-present
Department of Women's and Gender Studies, January 2016-present (appointment by courtesy)
Faculty Affiliate, Science, Technology, and Society Program
Internal Advisory Board, Center for Ethics, Society, and Computing
Faculty Affiliate, Michigan Institute for Data Science
Faculty Affiliate, Center for South Asian Studies
Faculty Associate, Center for European Studies
Faculty Affiliate, Organizational Studies Program
Member, Center for Global Health Equity
Member, Precision Health Initiative
Associate Professor, Ford School of Public Policy, 2011-2018
Assistant Professor, Ford School of Public Policy, 2005-2011
Founding co-director, Science, Technology, and Public Policy Program, 2006-2011

University of California, Los Angeles

Postdoctoral Fellow, Department of Public Policy and Center for Society & Genetics, 2004-2005

Northwestern University

Postdoctoral Fellow, Dept. of Sociology and Science in Human Culture Program, 2002-2004

EDUCATION

Cornell University

Ph.D., Department of Science & Technology Studies, 2003
M.A., Department of Science & Technology Studies

University of Chicago

B.A., Department of Biology

BOOKS

Patent Politics: Life Forms, Markets, and the Public Interest in the United States and Europe. Chicago, IL: University of Chicago Press (hardcover: February 2017; paperback: September 2020)

- Recipient of the 2018 Robert K. Merton award, Science, Knowledge, and Technology section, American Sociological Association
- Author Meets Critics session, Law and Society Association meeting 2018
- Reviewed in *H-Sci-Med-Tech* (2017), *Choice* (2017), *Critical Policy Studies* (2017), *New Genetics and Society* (2018); *Studies in the History and Philosophy of the Biological and Biomedical Sciences* (2018), *American Journal of Sociology* (2018), *Journal of Responsible Innovation* (2018), *Technology and Culture* (2018); *Tapuya: Latin American Science, Technology, and Society* (2018); *IP Law Book Review* (2019);

Issues in Science and Technology (2019); *Asian Biotechnology and Development Review* (2019); *HISTORY: Reviews of New Books* (2021).

Building Genetic Medicine: Breast Cancer, Technology, and the Comparative Politics of Health Care. Cambridge, MA: MIT Press (hardcover: April 2007; paperback: Spring 2012).

- Wrote an expert declaration that influenced *AMP v. Myriad* (2013), litigation over the patentability of human genes that was ultimately decided by the US Supreme Court.
- Reviewed in *Technology and Culture* (2009), *Metascience* (2009), *Historical Studies in the Natural Sciences* (2009), *Sociology of Health and Illness* (2009), *European Journal of Human Genetics* (2008), *Bulletin of the History of Medicine* (2008), *BioSocieties* (2008), *American Scientist* (2008), *American Journal of Human Biology* (2007)

WORKS IN PROGRESS

Shobita Parthasarathy, "How Sanitary Pads Came to Save the World: Knowing Inclusive Innovation through Science and the Marketplace," *Social Studies of Science*. Accepted with revisions, resubmitted.

Shobita Parthasarathy, "A Tale of Two Perspectives on Innovation and Global Inequality." Submitted to *Engaging Science, Technology, and Society*. Accepted with revisions, resubmitted.

SCHOLARLY JOURNAL ARTICLES AND BOOK CHAPTERS

Shobita Parthasarathy (2022). "How to Be an Epistemic Trespasser." *Historical Studies in the Natural Sciences*. 52(1): 140-142.

Abby J. Kinchy, Shobita Parthasarathy, and Jason Delborne (2020). "A Five-Year Engagement." *Engaging Science, Technology, and Society*. 6: 411-415.

Shobita Parthasarathy (2020). "Innovation Policy, Structural Inequality, and COVID-19." *Democratic Theory*. 7(2): 104-109.

Shobita Parthasarathy (2020). "Approaching Intellectual Property Scholarship Differently: A Qualitative Research Review and Agenda." *Science and Public Policy*. Online first: <https://doi.org/10.1093/scipol/scaa010>.

Shobita Parthasarathy (2020). "Seeing Hoodia, seeing the world." *Biosocieties*, 15: 148-152.

Shobita Parthasarathy (2018). "Patenting." In Sahra Gibbon, Barbara Prainsack, Stephen Hilgartner, and Janelle Lamoureaux, eds., *Handbook of Genomics, Health and Society*. Routledge.

Shobita Parthasarathy (2017). "Grassroots Innovation Systems for a Post-Carbon World: Promoting Economic Democracy, Environmental Sustainability, and the Public Interest." *Brooklyn Law Review*, 82(2): 761-787.

Shobita Parthasarathy (2016). "Lessons for CRISPR from the Missed Opportunities of Asilomar." *Ethics in Biology, Engineering, and Medicine*. 6 (3-4): 305-312.

Shobita Parthasarathy (2015). "Co-Producing Knowledge and Political Legitimacy: Comparing the Life Form Patent Controversies in Europe and the United States." In Stephen Hilgartner, Clark Miller, and Rob Hagendijk, eds., *Science and Democracy: Emerging Trends*. Routledge.

Shobita Parthasarathy (2014). "Producing the Consumer of Genetic Testing for Breast Cancer: The Double-Edged Sword of Empowerment." In Kelly Moore and Daniel Kleinman, eds. *Handbook of Science, Technology, and Society*. Routledge.

Shobita Parthasarathy and Alexis Walker (2014). "Observing the Patent System in Social and Political Perspective: A Case Study of Europe." In Margo Bagley and Ruth Okediji, eds., *Global Perspectives on Patent Law*. Oxford University Press.

Book Review: "Seed, Science, and Struggle: The Global Politics of Transgenic Crops." In *Journal of Economic Literature*. March 2013.

"Science and Politics." In *Encyclopedia of Science & Technology Communication*. Edited by Susanna Hornig-Priest, et al. Thousand Oaks, CA: Sage Publications, 2010.

Shobita Parthasarathy (2011). "Whose Knowledge? Whose Values? The Comparative Politics of Patenting Life Forms in the United States and Europe." *Policy Sciences*. 44(3): 267-288.

Shobita Parthasarathy (2010). "The Implications of Direct-to-Consumer Genomic Testing for the Public's Health: Taking Sociotechnical Architectures Seriously." *Genetics in Medicine*. 12 (9): 544-547.

Shobita Parthasarathy (2010). "Breaking the Expertise Barrier: Understanding Activist Challenges to Science and Technology Policy Domains." *Science & Public Policy*. 37(5): 355-367.

Shobita Parthasarathy (2009). "Crisis at the Patent Office: Understanding the Emergence of the Public Patent Movement in the United States." In *Living Properties: Making Knowledge And Controlling Ownership In The History Of Biology*, edited by Dan Kevles and Jean-Paul Gaudilliere. Berlin: Max Planck Institute for the History of Science.

Shobita Parthasarathy (2008) Book Review: *Science and Technology Policy: Open Systems in Action*. *Technology & Culture*.

Shobita Parthasarathy (2006). "Reconceptualizing Technology Transfer: The Challenge of Building an International System of Genetic Testing for Breast Cancer." In David H. Guston and Daniel Sarewitz, editors, *Shaping Science and Technology Policy: The Next Generation of Research*. University of Wisconsin Press.

Shobita Parthasarathy (2005). "Architectures of Genetic Medicine: Comparing Genetic Testing for Breast Cancer in the USA and UK." *Social Studies of Science*. 35(1): 5-40.

Shobita Parthasarathy (2005). "The Patent is Political: The Consequences of Patenting the BRCA genes in Britain." *Community Genetics [now Public Health Genomics]*. (Vol. 8, pp. 235-242), 2005.

Shobita Parthasarathy (2004). "Regulating Risk: Defining Genetic Privacy in the US and Britain." *Science, Technology, and Human Values*. 29(3): 332-352.

Shobita Parthasarathy (2003). "Knowledge is Power: Genetic Testing for Breast Cancer and Patient Activism in the US and Britain" in *How Users Matter: The Co-Construction of Users and Technology*. Nelly Oudshoorn and Trevor Pinch, eds. MIT Press. 2003.

Book Review: "The Breast Cancer Wars," and "A Darker Ribbon," *Isis*, 95 (December 2004): 728.

POLICY REPORTS, COMMENTARIES, OPINION PIECES, PROFILES

Johanna Okerland, Evan Klasky, Aditya Middha, Sujin Kim, Hannah Rosenfeld, Molly Kleinman, and Shobita Parthasarathy, [*What's in the Chatterbox? Large Language Models, Why They Matter, and What We Should Do About Them*](#), Technology Assessment Project, Science, Technology, and Public Policy Program, University of Michigan (2022).

- Findings covered by *Nature*, *Scientific American*.

The Ongoing Transformation Podcast (2022). "[Episode 9: Maximizing the Good of Innovation with Shobita Parthasarathy](#)." March 1.

Eclectic Spacewalk (2022). "[STS Shorts #2—Shobita Parthasarathy](#)." Interview with Nicholas McCray. January 26.

America Dissected with Dr. Abdul El-Sayed (2022). "[The Innovation Gap with Professor Shobita Parthasarathy](#)." Crooked Media. January 11.

Shobita Parthasarathy (2022). "[Innovation as a Force for Equity](#)." *Issues in Science and Technology*. 38 (2): 30-36.

Shobita Parthasarathy (2021). "Health Innovation Policy for the People" *Democracy Collaborative*. <https://democracycollaborative.org/learn/publication/health-innovation-policy-people>

Zixuan Wang, Margarita Maria Rodriguez Morales, Molly Kleinman, and Shobita Parthasarathy, "[In Communities We Trust: Institutional Failures and Sustained Solutions for Vaccine Hesitancy](#)." Technology Assessment Project report, May 2021.

- Findings covered by *MLive*, *The Hill*, WXYZ Detroit.

Shobita Parthasarathy, "[The AstraZeneca Vaccine Crisis in Europe Isn't About Science At All](#)." *Slate*, March 17, 2021 [Reprinted in *The Wire*, an online newsmagazine in India.]

Shobita Parthasarathy, "[Ensuring Global Access to COVID-19 Vaccines](#)," *Issue Memos for an Incoming Administration*, Ford School of Public Policy, January 21, 2021.

Shobita Parthasarathy and Dan Sarewitz, "[Public Thinker: Shobita Parthasarathy on Why We Need to Diversify Expertise](#)." *Public Books*, January 4, 2021.

Featured scholar in "['Stick to the Science': When Science Gets Political](#)." Three-part podcast series produced by *Nature*. November 2020.

"[Racism is baked into patent systems](#)." *Nature*. 587 (2020): 30-31.

Shobita Parthasarathy, "[More Testing alone will not get us out of this Pandemic](#)." *Nature*. 585 (2020): 8.

Claire Galligan, Hannah Rosenfeld, Molly Kleinman, and Shobita Parthasarathy, [Cameras in the Classroom: Facial Recognition Technology in Schools](#). Technology Assessment Project, Science, Technology, and Public Policy Program, University of Michigan (2020).

- Findings covered by *Business Insider*, *WIRED*, *Los Angeles Times*, *NBC News*, *Minneapolis Star-Tribune*, *WDET* (NPR affiliate), *WUOT* (NPR affiliate), *Venture Beat*, *Common Dreams*, *News Break*, *Tech for Good*, *Nation of Change*, *Futurity*, *ASU Mag*, *Click on Detroit*, *Biometric Update*, *MI Tech News*, *THE Journal*, *Cyber News*, *Michigan Daily*, *PublicSource*.

Josephine Tolin, "[U-M Professor of Public Policy, Dr. Shobita Parthasarathy, Receives NSF Rapid Response Research Grant](#)." *UM India Impact Newsletter*. July 1, 2020.

Jeff Karoub, "[Shobita Parthasarathy: Politics, public trust drive differing responses to coronavirus](#)." *University of Michigan News*. March 31, 2020.

Orion Open Science Podcast, "[An Inventive Step: Shobita Parthasarathy on the Role of Patents and Innovation in Science](#)." March 5, 2020.

"[Colleges Must Play a Role in Bridging Ethics and Technology](#)." (with David H. Guston) *The Chronicle of Higher Education*. October 13, 2019.

"[The power \(and disempowerment\) of Menstrual Hygiene Management](#)." *Discard Studies*. October 2019.

Flash Forward podcast (hosted by Rose Eveleth), "[CRIME: Can You Sue an Algorithm?](#)" August 27, 2019.

"[The Patent Perplex](#)." *Issues in Science and Technology*. Summer 2019. Vol. 35, No. 4.

"[Patent Politics](#)," *New Books podcast*, November 2018.

"[Use Patents to Regulate Gene Editing](#)." *Nature*. October 25, 2018.

Shobita Parthasarathy, "Indian-Americans need role models in public policy." *The Times of India*. June 18, 2018.

"[An early expression of democracy, the US patent system is out of step with today's citizens](#)." [Updated]. *The Conversation*. July 4 2018. (reprinted in *Business Insider*, *Associated Press*, among other outlets)

"Patent Politics," *Wine with Friends podcast*, January 2018.

Center for Genetics and Society, "Webcast on Patent Politics, a discussion with Tania Simoncelli, Chan Zuckerberg Institute", November 16, 2017.

"[How to make sure we all benefit when nonprofits patent technologies like CRISPR](#)." *The Conversation*. July 19, 2017.

Center for Democracy and Technology, "[TechTalk](#) Podcast." Interview with Brian Wesolowski (on

Patent Politics). March 31, 2017.

[“Obama administration’s big science and tech innovation: Socially engaged policy.”](#) *The Conversation*. December 19, 2016. (reprinted in *Business Insider*, *Associated Press*, *Houston Chronicle* among other outlets)

[“Fostering Grassroots Innovation: Lessons India Can Teach Michigan.”](#) *The Next Idea, Stateside, Michigan Radio*. May 9, 2016. Op-ed and radio interview.

[“CRISPR Dispute Raises Bigger Patent Issues That We're Not Talking About.”](#) *The Conversation*. April 4, 2016. (reprinted in *Singularity Hub*, *Phys.org* among other outlets)

[“Awash in pink, but breast cancer awareness isn’t a cure.”](#) [Updated]. *The Conversation*. October 22 2015. (reprinted in *The Huffington Post* among other outlets)

[“An early expression of democracy, the US patent system is out of step with today’s citizens.”](#) *The Conversation*. July 31, 2015. (reprinted in *Science Codex* among other outlets)

[“Awash in pink, but breast cancer awareness isn’t a cure.”](#) *The Conversation*. October 22 2014.

[“Population Screening for BRCA: Is it the way forward for genetic medicine?”](#) In *UM Risk Science Center Blog*. September 12 2014.

“Designing global deliberation for geoengineering governance.” *Risk Science Center Blog*. September 18 2014.

[“Giving Away Our Future?”](#) *Leaping Robot Blog*. June 19 2014.

[“Permitting Ownership of Genes Stops Research”](#). In, *Room for Debate: Can the Human Blueprint Have Owners?*. The New York Times. June 7 2013.

“Central Time” [discussion](#) on gene patenting, Wisconsin Public Radio, June 14, 2013.

[“Cancer Survivor Day”](#), Author Q&A, MIT Press Blog. June 2 2013.

[“Patents will Shape Geoengineering R&D.”](#) Response to K. Caldeira and D. Keith, “The Need for Climate Engineering Research.” *Issues in Science and Technology*. Winter 2011.

“Gene Patents and Democracy,” *Nature Online*. 2011.

Invited Comment: “Science’s Rightful Place.” Response to D. Sarewitz, “The Rightful Place of Science.” *Issues in Science and Technology*. Winter 2010.

“A Public Good? Geoengineering and Intellectual Property.” STPP Working Paper 10-1. With Chris Avery, Nathan Hedberg, Jessie Mannisto, and Molly Maguire. (Produced for the US Government Accountability Office), 2010.

“Ocean Iron Fertilization: A Case Study of Geoengineering’s Regulatory Challenges.” STPP Working Paper 10-2. With Chris Avery, Christina Sylvester, Kevin Reed, Arthur Lee-Feldman (Produced for the

US Government Accountability Office), 2010.

“Geoengineering the Arctic: Defining the Governance Dilemma.” STPP Working Paper 10-3. With Lindsay Rayburn, Mike Anderson, Jessie Mannisto, Molly Maguire, Dalal Najib. (Produced for the US Government Accountability Office), 2010.

"[Gene Patenting](#)." Panel discussion with Shobita Parthasarathy, Joshua Sarnoff, and Hans Sauer. *The Kojo Nnamdi Show*. WAMU Radio (Washington, DC). June 4, 2009.

Invited Expert Declaration in support of the plaintiffs: Association For Molecular Pathology et. al. vs. United States Patent And Trademark Office and Myriad Genetics et al. (Extensively cited in Sweet, Robert J (2010). Opinion In Association for Molecular Pathology, et al., vs. United States Patent and Trademark Office, et al. United States District Court Southern District of New York. 09 Civ. 4515, 2009.

Interview with Benjamin Cohen, “Building Genetic Medicine: A Discussion with STS and Public Policy Scholar Shobita Parthasarathy.” *The World’s Fair: All Manner of Human Creativity on Display*. September 10, 2007.

Daniel Diermeier and Shobita Parthasarathy, *Myriad (A): Breast Cancer Testing in the United States* Case 5-304-503(A) (Evanston, IL: Kellogg School of Management, Northwestern University, 2005.

Daniel Diermeier and Shobita Parthasarathy, *Myriad (B): Breast Cancer Testing in the United States* Case 5-304-503(B) (Evanston, IL: Kellogg School of Management, Northwestern University, 2005.

Daniel Diermeier and Shobita Parthasarathy, *Myriad (A): Breast Cancer Testing in Britain* Case 5-304-503(A) (Evanston, IL: Kellogg School of Management, Northwestern University, 2005.

Daniel Diermeier and Shobita Parthasarathy, *Myriad (B): Breast Cancer Testing in Britain* Case 5-304-503(B) (Evanston, IL: Kellogg School of Management, Northwestern University, 2005.

National Research Council Space Studies Board, Committee on Space Biology and Medicine, *A Strategy for Space Biology and Medicine in the New Century*, National Academy Press, Washington, D.C., 1998.

National Research Council Space Studies Board, Task Group on Issues in Sample Return, *Mars Sample Return: Issues and Recommendations*, National Academy Press, Washington D.C, 1997.

National Research Council Space Studies Board, *A New Science Strategy for Space Astronomy and Astrophysics*, National Academy Press, Washington, D.C., 1997.

National Research Council Space Studies Board, *Radiation Hazards to Crews of Interplanetary Missions: Issues and Research Strategies*, National Academy Press, Washington, D.C, 1996.

[White House] Advisory Committee on Human Radiation Experiments, “Research Proposal Review Project”, “Nontherapeutic Research on Children”, “Subject Interview Study”, “Current Federal Policies Governing Human Subjects Research”, “Appendices”, *Final Report of the Advisory Committee on Human Radiation Experiments*, GPO: Washington, D.C., 1995 and New York: Oxford University Press, 1996.

PODCAST

Executive Producer and Co-host (with Jack Stilgoe), *The Received Wisdom* (August 2019-present)

AWARDS, HONORS, FELLOWSHIPS, AND VISITING SCHOLARSHIPS

Faculty Recognition Award, University of Michigan, 2021 (for mid-career faculty who have demonstrated outstanding achievements in scholarly research; excellence as a teacher, advisor and mentor; and distinguished engagement with the university and elsewhere)

Guest Professor, Department of Science and Technology Studies, University of Vienna, May/June 2019

Recipient of the 2018 Robert K. Merton award, Science, Knowledge, and Technology section, American Sociological Association for *Patent Politics: Life Forms, Markets, and the Public Interest in the United States and Europe*.

Visiting Scholar, American Bar Foundation, 2011-2.

Public Policy Fellowship, Woodrow Wilson International Center for Scholars, Washington, DC (2007-8).

Fellowship Award, American Council of Learned Societies (2007-8).

Faculty Fellowship Enhancement Award, Office for the Vice President of Research and Rackham Graduate School, University of Michigan (2007-8).

Fellowship, Max Planck Institute for Intellectual Property, Competition, and Tax Law (now Max Planck Institute for Innovation and Competition), Munich, Germany (2007-8).

Visiting Scholar, Center for Family Research and Department of Social and Political Sciences, University of Cambridge (July-October 1999), 2003-5

Graduate Student Paper Award, Health/Health Policy Section, Society for Study of Social Problems, 2003.

Named one of the Next Generation of Leaders in Science and Technology Policy, Center for Science and Policy Outcomes and AAAS, Washington, DC, 2002.

Research Scholar, New Beginnings Program on Science, Technology, and Society, Duke University, 2001-2.

Research Fellow, Belfer Center for Science and International Affairs, Kennedy School of Government, Harvard University, 2000.

Invited Participant, Max Planck Institute for the History of Science, International Summer Academy: "Science, Technology, and Law", Berlin, Germany, 1999.

US Department of Education Foreign Language and Area Studies Fellowship, 1998-9.

National Science Foundation Research Training Grant Fellowship on Social Implications of Changing Knowledge in the Life Sciences, 1996-2001.

GRANTS

Principal Investigator, "Innovation Policy Institutions, Epistemological Power, and the Implications for Structural Inequality." Economic Security Project, 2021 (\$20,000)

Principal Investigator, "Core Funding for the Science, Technology, and Public Policy Program, Gerald R. Ford School of Public Policy, University of Michigan." Ford Foundation, 2021 (\$400,000).

Principal Investigator, "How Large Language Models May Transform Societies: An Analogical Case Study Analysis." Sloan Foundation, 2021 (\$165,303).

Principal Investigator, "Rethinking Computer Science Education: Bringing Public Interest Technology into Undergraduate and Postdoctoral Training", Public Interest Technology University Network/New Venture Fund, 2020 (\$90,000).

Principal Investigator, grant to develop The Received Wisdom podcast, Center for Academic Innovation, University of Michigan, 2020 (\$15,064).

Principal Investigator, "RAPID: Cultural Differences in Shaping Diagnostic Testing Regimes in Response to the COVID-19 Pandemic." National Science Foundation, 2020 (\$100,000).

Principal Investigator, "The Politics of Technology for the Poor: Between India and the World." Office of Research, University of Michigan, 2017 (\$30,000).

Principal Investigator, "The Politics of Technology for the Poor: Between India and the World." Poverty Solutions, University of Michigan, 2017 (\$15,672).

Co-Principal Investigator, "Workshop: Exploring New Horizons in STS Research at the Intersection of Science, Technology, Law, and Governance," US National Science Foundation, 2017-present (USD \$49,999).

Co-Principal Investigator, "Public Health and Public Policy Approaches to Electronic Waste Recycling", MCubed Program Grant, University of Michigan, 2016-present (USD \$60,000).

Principal Investigator, "Grassroots Innovation and Gender Order in India." Institute for Research on Women and Gender, University of Michigan, 2016 (\$9,400).

Co-Investigator, Global Challenges for a Third Century Phase I grant, University of Michigan, 2013-4 (USD \$299,878).

Principal Investigator, MCubed Program grant, University of Michigan, 2012-4 (USD \$60,000).

Principal Investigator, Risk Governance Focus Initiative, University of Michigan Risk Science Center, 2012-6 (USD \$150,000).

Principal Investigator, Scholars Award, Science, Technology, and Society Program, Directorate

for Social, Behavioral, and Economic Sciences, US National Science Foundation, 2007-12 (SES-0724664: USD \$200,000).

Principal Investigator, Research Grant, "Crisis at the Patent Office: Rethinking Governance of Biotechnology in Comparative Perspective." Ethics in Public Life Program, University of Michigan, 2006-7. (USD \$15,000).

Principal Investigator, Research Grant, "Navigating Ethically Treacherous Waters: Understanding the Development of the Global Stem Cell Industry." Center for International Business Education, University of Michigan, 2006 (USD \$8000).

Principal Investigator, Research Fellowship, "Global Technologies for the Global Consumer: An Exploration of the Transnational Politics of the Genomic Age", The Wellcome Trust, UK. (partial salary plus GBP £40,000 for research) (2003-2006).

Principal Investigator, Research Grant, Cornell Genomics Initiative, 2001 (USD \$1000).

Beatrice Brown Award, Cornell Women's Studies Program, 2001 (USD \$500).

Doctoral Dissertation Research Grant, Science & Technology Studies Program, Division of Social and Economic Sciences, US National Science Foundation, 1999-2000 (SES-9906183: USD \$12,000).

Principal Investigator, Research Travel Grant, Cornell Einaudi Center for International Studies, 2000 (USD \$3000).

Principal Investigator, Pre-Dissertation Research Grant, Cornell Einaudi Center for International Studies, 1999 (USD \$3,000).

Principal Investigator, Sicca Pre-Dissertation Research Grant, Cornell Institute for European Studies, 1999 (USD \$3,000).

PUBLIC POLICY ACTIVITIES

Member, Committee on Science for Judges, National Academies of Science, Engineering, and Medicine, 2022-present.

Member, Study Committee on Creating a Framework for Emerging Science, Technology, and Innovation in Health and Medicine, 2022-present.

Panelist, "Technology in and for society: Innovating well for inclusive transitions," Organization for Economic Cooperation and Development, December 2021.

Testimony before US House Committee on Science, Space, and Technology, Subcommittee on Energy, Hearing on "Fostering Equity in Energy Innovation". (July 2021).

Advisory Board, "Technology in and for Society: Responsible Innovation for Inclusive Transitions," Organization for Economic Cooperation and Development (2021-2022).

Member, National Conference of Lawyers and Scientists, American Association for the Advancement

of Science, 2021-2022.

Testimony before US House Appropriations Committee, Subcommittee on Energy and Water Development, and Related Agencies, Hearing on “Strategies for Energy and Climate Innovation”. (February 2021).

High Level Thought Leader Panel (to comment on Science, Technology, and Innovation Policy 5 Year Plan), Department of Science and Technology, Government of India (January 2021).

Advisory Board, Community Technology Collective, 2019-present.

Non-Resident Fellow, Center for Democracy and Technology, 2019-present.

Advisor, Civic Science Project, American Association for the Advancement of Science, 2020-present.

Advisory Board, Project on “Evidence-based Science Communication to Policymakers,” American Association for the Advancement of Science and American University, 2017-2019.

Planning Committee, Meeting on Making the Living World Engineerable: Science, Practice, and Policy, National Academies of Science, Engineering, and Medicine, November 2016.

Board Member, Breast Cancer Action (April 2014-2018)

Presentations to: National Academy of Sciences, Engineering, and Medicine; US Congress Science and Technology Committee; Government Accountability Office; European Patent Office; Dutch Medical Biotechnology Commission; Secretary’s Advisory Committee on Genetics, Health, and Society (US Department of Health and Human Services); Austrian Genome Research Programme; American Civil Liberties Union; Policy Committee of the University of Michigan’s Consortium for Stem Cell Therapies.

Consultations with congressional committees and staff on legislation related to science and technology policy (2009-present).

MEDIA COVERAGE

Quoted or work cited in: Planet Money Indicator Podcast (NPR), *Associated Press*, *The Washington Post*, *Huffington Post*, *Newsweek*, *The New York Times*, *BBC*, *Science*, *Los Angeles Times*, *The American Prospect*, *Yahoo News*, *The Hill*, *Scientific American*, *WGBH* (Boston NPR affiliate) *Business Insider*, NPR’s Planet Money podcast, *NBC News*, *Minneapolis Star-Tribune*, *Yahoo News*, *WIRED*, *WDET* (Detroit NPR affiliate), *New Statesman*, *WUOT* (Knoxville NPR affiliate), *Venture Beat*, *Common Dreams*, *News Break*, *Click On Detroit*, *THE Journal*, *MI Tech News*, *Biometric Update*, *Cyber News*, *Michigan Daily*, *Chemistry World*, *WXYZ Detroit*, *Times Higher Education*, *Chemical & Engineering News*, *O Globo* (Brazil), *Axios*, *DualDove*, *The Caravan* (India), *Michigan Radio* (NPR affiliate), *The Fiscal Times*, *Pittsburgh Tribune-Review*, *Cell*, *Pittsburgh Tribune*, *San Diego Union-Tribune*, *USA Today*, *Deseret News*, *PBS NOVA*next, *Nature*, *The New Haven Independent*, *German ARD* (Public) Radio, *Great Lakes Innovation and Technology Report*, *New Scientist*, *Intellectual Property Watch*, *AAAS News*, *The Seattle Times*, *Privacy Hub*, *Toledo Blade*, *E&E News*, *Popular Science*, *MLive*, *FYI Science Policy*, *PublicSource*.

INVITED PRESENTATIONS

Rotman Institute of Philosophy, Western University, London, Ontario (March 2023).

Buchdahl Speaker, Science, Technology, and Society Program, North Carolina State University, Raleigh, NC (Winter 2023).

Program on Regulation, Therapeutics, and Law, Division of Pharmacoepidemiology & Pharmacoeconomics, Harvard Medical School (November 2022).

Enabling Openness in Australian Stem Cell Research (EOAR) research cluster, University of Adelaide (October 2022).

Invited Panel, Science, Knowledge, and Technology In and For Policy, American Sociological Association (August 2022).

Science policy virtual workshop, Johns Hopkins University (June 2022)

Science in Human Culture Program, Northwestern University (April 2022).

Keynote speaker, "Institutions and the Scientific Research Agenda" workshop, Center for Philosophy of Science, University of Pittsburgh (April 2022).

Wicked Problems in Global Vaccine Equity, Center for Global Health Equity, University of Michigan (October 2021).

Distinguished Lecture Series, Osher Lifelong Learning Institute, Ann Arbor, MI (September 2021).

Orientation speaker, Science and Technology Policy Fellowships (STPF) Program, American Association for the Advancement of Science (September 2021).

Plenary speaker, "Communicating the Future: Engaging the Public in Basic Science" conference sponsored by The Kavli Foundation, Science Public Engagement Partnership, and the US Department of Energy Office of Science (July 2021).

Panel on *The Color of Creatorship: Intellectual Property, Race, and the Making of Americans*, Working with Intellectual Property: Innovation, Labor, and Creativity, Stanford Center for Law and History (April 2021).

Science, Technology, Medicine, and Society Seminar Series, University of Michigan (April 2021 – virtual due to COVID)

Panel on the documentary *Coded Bias*, Cornell University (March 2021 – virtual due to COVID)

Department of Science and Technology Studies, University College London (March 2021 – virtual due to COVID)

Hong Kong University of Science and Technology (January 2021 – virtual due to COVID)

Keynote Speaker, Policy Hackathon, Massachusetts Institute of Technology (October 2020 – virtual)

due to COVID)

“Preparing for Human Genome Editing Technologies (P-GET): An anticipatory approach”, Baylor College of Medicine (September 2020 – virtual due to COVID)

Department of Science and Technology Studies, York University, virtual presentation (September 2020 – virtual due to COVID)

Panel on Crisis and Solidarity, Graduate Research in Science and Technology Studies conference, Harvard University (September 2020 – virtual due to COVID)

Plenary panel, Science and Democracy Network Annual Meeting (August 2020 – virtual due to COVID)

Multispecies Coronavirus Reading Group (August 2020 – virtual due to COVID)

Keynote Speaker, “Roundtable on Systemic Change in Undergraduate STEM Education”, National Academies of Science, Engineering, and Medicine, virtual presentation (May 2020 – virtual due to COVID).

“Postsecondary Response to COVID-19: Hubs of Knowledge and Resources for the Nation”, National Academies of Science, Engineering, and Medicine (April 2020 – virtual due to COVID)

National Academies of Science, Engineering, and Medicine symposium, *The Evolving Scientific Enterprise* (February 2020).

Center for Bioethics and Social Science in Medicine, University of Michigan (February 2020).

ESC Plan: The ESC Opening Event, Center for Ethics, Society, and Computing, University of Michigan (January 2020).

Department of Development Sociology, Cornell University (November 2019)

Center for the Study of Social Difference, Columbia University (September 2019)

“Patents as Scientific Information, 1895-2010” conference, Linköping University, Sweden (September 2019)

“Innovation” plenary panel, *Society for the Social Studies of Science* conference, New Orleans, LA (September 2019)

“Interrogating Innovation” workshop, Nanyang Technical University, Singapore (August 2019)

College of Business, University College Dublin, Ireland (June 2019)

Munich Center for Technology in Society, Technical University of Munich, Germany (May 2019)

Department of Science and Technology Studies, University of Vienna, Austria (May 2019)

Fastest Path to Zero Summit, University of Michigan (April 2019)

Center for South Asian Studies, University of Michigan, Ann Arbor (January 2019)

Center for Studies in Science Policy, Jawarhalal Nehru University, New Delhi, India (December 2018)

Department of Science and Technology – Centre for Policy Research and Centre for Contemporary Studies, Indian Institute of Science, Bangalore, India (November 2018)

Anticipatory Social Research, Social Science Research Council (October 2018)

Department of Sociology and Social Policy, School of Social and Political Sciences, University of Sydney (August 2018).

“Science and Politics from Obama to Trump”, Invited Panel Session, American Sociological Association meeting, Philadelphia, PA (August 2018)

Author Meets Critics Panel on *Patent Politics: Life Forms, Markets, and the Public Interest in the United States and Europe*, Law and Society Annual Meeting, Toronto, Ontario (June 2018)

National Science Foundation workshop on “Identifying Gaps, Building Bridges: Fostering Critical Exchange between Sociological Studies and Science and Technology Studies,” Drexel University, Philadelphia, PA (May 2018)

“Science, Values, and the Public Workshop”, University of Michigan, Ann Arbor (April 2018)

Changing the Global e-Waste Cycle, University of Michigan, Ann Arbor (April 2018)

Keynote Speaker, “Beyond Therapy and Enhancement: Restructuring Ethical Debates on Biotechnological Innovation.” University of Illinois, Urbana-Champaign, IL (March 2018)

Keynote Speaker, “Workshop on Questioning Science in Uncertain Times,” Ohio State University, Columbus, OH (February 2018)

Center for Science, Technology, Medicine & Society, University of California, Berkeley, CA (November 2017)

Advancing Science for Policy through Interdisciplinary Research in Regulation meeting, Berkeley, CA (November 2017)

School of Public Policy, Georgia Tech, Atlanta, GA (October 2017)

Keynote Speaker, “International Symposium: Editing Genomes with CRISPR – Between Scientific Breakthroughs and Societal Challenges”, University of Vienna, Austria (October 2017)

Instituto de Estudios Avanzados (Institute for Advanced Studies), Universidad de Santiago de Chile (August 2017)

Washington, D.C. Book Launch at the Woodrow Wilson International Center for Scholars.
Commentators: Daniel Sarewitz, Consortium for Science, Policy, and Outcomes, Arizona State University, and Richard Harris, science/health journalist, National Public Radio (June 2017)

Keynote speaker, Conference on IP ethics and markets in an age of personalized medicine, University of Oxford, England (June 2017)

Keynote speaker, Fifth Annual Conference on Governance of Emerging Technologies: Law, Policy, and Ethics, Arizona State University, Tempe, AZ (May 2017)

Patent Data Workshop sponsored by the National Science Foundation, Arizona State University, Washington, DC (May 2017)

Plenary Panel on Science, Policy and Economic Development, Africa-US Frontiers in Science Conference, Yaoundé, Cameroon (May 2017)

Technis Intellectual Property and Innovation Research Group, Greece (January 2017)

Keynote speaker, Health Equity symposium, San Francisco State University, San Francisco, CA (November 2016)

“The Debate” on Synthetic Biology and GMOs, American Chemical Society Meeting, Philadelphia, PA (August 2016)

International Workshop: Responsiveness in European patenting practices, Max Planck Institute for Innovation and Competition, Munich Germany (May 2016)

Keynote speaker, STGlobal conference, Washington, DC (April 2016)

Workshop on the Politics of Science and Innovation Policy, Brookings Institution, Washington, DC (March 2016)

Trager Symposium, Brooklyn Law School, New York, NY (February 2016)

Indian Institute of Management, Bangalore, India (December 2015)

The Future of Health Monitoring and Pre-symptomatic Medicine Workshop, Consortium for Science, Policy, and Outcomes, Arizona State University (October 2015)

Decision Consortium, University of Michigan, Ann Arbor, MI (October 2015)

Biointerfaces Institute Research Group, University of Michigan, Ann Arbor, MI (June 2015).

Geoengineering Workshop, Harvard University, Cambridge, MA (April 2015).

Lyman-Briggs College, Michigan State University, Lansing, MI (April 2015).

The Science Policy Interface: International Comparisons, Balsille School of International Affairs, University of Waterloo, Ontario, Canada (May 2014).

Department of Biochemistry and Molecular Biology, Baylor College of Medicine, Houston, TX (October 2014).

Institute for Policy and Management, Chinese Academy of Sciences (May 2014).

Center for Bioethics, Chinese Academy of Medical Sciences (May 2014).

Department of Science & Technology Studies, Cornell University, Ithaca, NY (April 2014).

Spoerl Lecture, Lawrence University, Appleton, WI (February 2014).

Robert Wood Johnson Foundation Health Policy Research Seminar Series, University of Michigan, Ann Arbor (February 2014).

STS Circle, Kennedy School of Government, Harvard University (September 2013).

Technology, Culture, and Society Program, New York University (February 2013).

Seminar on “Mobile Health”, Radcliffe Institute for Advanced Study, Harvard University (September 2013).

“Expertise, Justice, and Changing Legal Orders” Workshop, The Edmond J. Safra Center for Ethics, Tel Aviv University, Israel (June 2013).

Plenary Session on the “Role of Research in Setting Breast Cancer Policy”, From Research to Action: Two Decades of Change, California Breast Cancer Research Program, Costa Mesa/Orange County, CA (2013).

“Facts, Artifacts, and the Politics of Consensus: A Midwest Conference for Science and Technology Studies”, Northwestern University (2012).

“Patient organizations, health movements and medical research: varieties, effects and future of civil society engagement in science, technology development and research policies”, University of Augsburg, Germany (2012).

“Political Civility and Scientific Objectivity: Science, Technology, and Public Policy in Democratic Societies”, University of California – San Diego (2012).

“The Neoliberal State, Science, and Technology”, University of Wisconsin – Madison (2012).

Leadership Summit, Office of Public Health Practice, University of Michigan (2012).

Reilly Center for Science, Technology, and Human Values, University of Notre Dame (2012).

Institute for Science, Innovation, and Society, Oxford University, United Kingdom (2012).

Klopsteg Lecture Series, Science in Human Culture Program, Northwestern University (2011).

Nanotechnology Unplugged, Risk Science Center, University of Michigan, Ann Arbor, MI (2011).

Keynote Speaker on Ethics, University of Michigan Symposium on Pharmacological Sciences and Biorelated Chemistry, Ann Arbor, MI (2011).

American Bar Foundation, Chicago, IL (2011).

Science, Technology, Medicine & Society Colloquium Series, University of Michigan, Ann Arbor, MI (2010).

Governing Emerging Technologies through Norms? – The Life Sciences and Technologies, Paris, France (2010).

Greenwall Project Workshop on *The Constitutional Foundations of Bioethics: A Cross-National Comparison*, Harvard University, Cambridge, MA (2010).

Gordon Research Conference on Science and Technology Policy, Waterville Valley, NH (2010).

Research Seminar, Department of Pediatrics, University of Michigan, Ann Arbor, MI (2010).

American Civil Liberties Union (University of Michigan chapter), Ann Arbor, MI (2010).

Medical Innovation Center, University of Michigan, Ann Arbor, MI (2010).

Intellectual Property Workshop, University of Michigan Law School, Ann Arbor, MI (2010).

Science Outside the Lab: A Policy (Dis)orientation, Center for Nanotechnology in Society, Washington, DC (2009).

Who Owns Your Genes? Intellectual Property, Innovation Policy, and the Future of Genetic Medicine, Ethical, Legal, and Social Implications of Personal Genomics Seminar Series, University of Michigan, Ann Arbor, MI (2009).

Science and Technology Policy Issues Facing the US, Brookings Institution, Washington, DC (2009).

Workshop on Reconciling the Supply of and Demand for Research in the Science of Science and Innovation Policy, sponsored by the Center for Science and Technology Policy Research, University of Colorado – Boulder and the Center for Technology, Innovation, and Culture, University of Oslo, Oslo, Norway (2009).

Department of Science & Technology Studies, Virginia Polytechnic Institute, Blacksburg, VA (2009).

American Association for the Advancement of Science, Washington, DC (2009).

Consortium for Science, Policy, and Outcomes, Arizona State University, Washington, DC (and Tempe, AZ) (2009).

Department for Social Studies of Science, University of Vienna, Austria (2009).

Distinguished Lecture Series, Osher Lifelong Learning Institute, Ann Arbor, MI (2008).

Living Properties: Making Knowledge and Controlling Ownership in the History of Biology, Max Planck Institute for the History of Science, Berlin, Germany (2008).

HapMap Community Group, Department of Anthropology, University of Houston – Clear Lake, and Baylor College of Medicine (2008).

Council on Comparative Political Studies Seminar Series, School of International Service, American University (2008).

Science, Technology, and Equity: Designing Effective Policies and Programs, Symposium at American Association for the Advancement of Science, Washington, DC (2008).

Department of Science, Technology, and Society, University of Virginia (2008).

History and Sociology of Science Department, University of Pennsylvania (2008).

Ford School of Public Policy, University of Michigan (book launch) (2007).

Taubman Center for Public Policy and American Institutions, Brown University (2007).

Secretary's Advisory Committee on Genetics, Health, and Society, Department of Health and Human Services, Washington, DC (2007).

Gordon Research Conference on Science and Technology Policy, Big Sky, Montana (2006).

Society for the Social Studies of Science conference, Vancouver, British Columbia (2006).

Science and Democracy Network Meeting, Cambridge, MA (2006).

Genomics & Society: Toward a Socially Robust Science, Organized by *ESRC Centre for Economic and Social Aspects of Genomics* (UK) and *Center for Genomics and Society* (Netherlands), Amsterdam, The Netherlands (2006).

Forbidding Science Conference, Arizona State University (2006).

Cancer Genomics Centre, University of Utrecht, Netherlands (2006).

Midwest Biomedical Engineering Conference, Ann Arbor, Michigan (2006).

Life Sciences & Society Symposium: The Social & Cultural Implications of New Biomedical Technologies, University of Missouri – Columbia (2005).

Biotechnology and Society Colloquium, University of California – Los Angeles (2005).

Center for the Analysis of Risk and Regulation, London School of Economics, England (2005).

Seminar on Science and the Law, University of California – Irvine (2005).

Science Studies Reading Group, Department of Science & Technology Studies, Cornell University, Ithaca, NY (2005).

Cambridge Genetics Knowledge Park and Centre for Family Research, University of Cambridge, England (2005).

History of Science Colloquium, University of California – Los Angeles (2005).

Center for Society & Genetics Colloquium, University of California – Los Angeles (2004).

Kellogg School of Management, Northwestern University, Illinois (2004).

MacLean Center for Clinical Medical Ethics Seminar Series, University of Chicago (2004).

University of Illinois-Chicago Medical Humanities Lecture Series (2003).

Science in Human Culture Program, Northwestern University, Illinois (2003).

Northwestern University Sociology Colloquium, Illinois (2002).

National Institute of Environmental Health Sciences, Durham, North Carolina (2002).

UNC-Duke Bioethics Forum, Duke University, North Carolina (2002).

Science Faculty Colloquium, Wells College, Aurora, New York (2001).

Department of Biology, Wells College, Aurora, New York (2001).

Department of Science and Technology Studies, York University, Toronto, Ontario (2001).

Department of the History and Philosophy of Science, University of Cambridge, England (1999).

CONFERENCE PRESENTATIONS

European Association for the Study of Science and Technology conference, Madrid, Spain (July 2022).

Canadian Science Policy Conference, virtual due to COVID (November 2020).

Society for the Social Studies of Science conference, New Orleans, Louisiana (August 2019).

Society for the Social Studies of Science conference, Sydney, Australia (August 2018).

Science and Democracy Network Meeting, Munich, Germany (June 2018).

Society for the Social Studies of Science conference, Boston, MA (August 2017).

Science and Democracy Network Meeting, Cambridge, MA (June 2017).

European Association for the Social Studies of Science and Technology/Society for the Social Studies of Science meeting, Barcelona, Spain (August 2016).

History of Science Society meeting, San Francisco, California (November 2015).

Society for the Social Studies of Science conference, Denver, Colorado (November 2015).

Gordon Conference on Science & Technology Policy, Waterville Valley, NH (August 2014).

Society for the Social Studies of Science and *Sociedad Latinoamericana de Estudios Sociales de la Ciencia y la Tecnología* meeting, Buenos Aires, Argentina (August 2014).

Post-Normal STS: Constraints, Blind Spots, and New Directions, University of Michigan Science, Technology, and Society Program (May 2014).

3rd Annual University of Michigan Sujal Parikh Memorial Symposium on Health and Social Justice (2013).

Society for the Social Studies of Science meeting, San Diego, CA (2013).

Society for the Social Studies of Science and *European Association for the Social Studies of Science and Technology* meeting, Copenhagen, Denmark (2012).

Society for the Social Studies of Science meeting, Cleveland, OH (2011).

Science and Democracy Network Meeting, Cambridge, MA (2011).

American Sociological Association meeting, Las Vegas, NV (2011).

The Tarrytown Meetings [on human biotechnologies and society], Tarrytown, New York (2010).

The Asilomar International Conference on Climate Intervention Technologies, Monterey, CA (2010).

Law and Society meeting, Chicago, IL (2010).

Science and Governance: Global and Comparative Perspectives, Arizona State University, Tempe, AZ (2010).

Society for the Social Studies of Science meeting, Washington, DC (2009).

American Political Science Association meeting, Toronto, ON (2009).

American Sociological Association meeting, San Francisco, CA (2009).

Science and Democracy Network Meeting, Cambridge, MA (2009).

Society for the Social Studies of Science and *European Association for the Social Studies of Science and Technology* meeting, Rotterdam, The Netherlands (2008).

Science and Democracy Network meeting, Cambridge, MA (2008).

The Future of Medical Diagnostics Workshop, Consortium for Science, Policy, and Outcomes, Arizona State University (2007).

Society for the Social Studies of Science conference, Montreal, Quebec (2007).

European Intellectual Property Policy conference, Lund, Sweden (2007).

Society for the Social Studies of Science conference, Vancouver, British Columbia (2006).

Science and Democracy Network Meeting, Cambridge, MA (2006).

Society for the Social Studies of Science conference, Pasadena, CA (2005).

Society for the Social Studies of Science and European Association for the Social Studies of Science and Technology meeting, Paris, France (2004).

American Sociological Association conference, San Francisco, CA (2004).

Society for the Study of Symbolic Interaction conference, San Francisco, CA (2004).

American Sociological Association conference, Atlanta, GA (2003).

Society for the Study of Social Problems conference, Atlanta, GA (2003).

Symposium of the Next Generation of Leaders in Science & Technology Policy, Washington, DC (2002).

Society for the Social Studies of Science conference, Milwaukee, WI (2002).

Science and Democracy Workshop, Berlin, Germany (2002).

“Technologies/Moralities: The Ethical Grammar of Technological Systems” workshop, Blacksburg, VA (2002).

Society for the Social Studies of Science conference, Cambridge, MA (2001).

“Knowledge in Plural Context” Summer School, Lausanne, Switzerland (2001).

“Technologies of Uncertainty: Reconstructing Order Through the Rhetorics of Risk” conference, Ithaca, NY (2001).

Society for the Social Studies of Science and European Association for the Social Studies of Science and Technology meeting, Vienna, Austria (2000).

“Genomic Futures: Ethical Challenges, Social Choices, and the University” conference, Ithaca, NY (2000).

Society for the Social Studies of Science conference, San Diego, CA (1999).

Second International Interdisciplinary Conference on Women & Health, Edinburgh, Scotland (1999).

“Technology and Identity” conference, Ithaca, NY (1999).

“Making People” conference, Ithaca, NY (1998).

Society for the Social Studies of Science conference, Halifax, Nova Scotia (1998).

PROFESSIONAL ACTIVITIES

Committee of Visitors, Directorate for Social, Behavioral, and Economic Sciences, National Science Foundation (2021).

Co-organizer, “Behind Walls, Beyond Disciplines: Science, Technology, and the Carceral State” webinar series, University of Michigan (2021).

Panel chair, Science and Democracy Network annual meeting, August 2020.

“Getting Stuff Done: Getting it Right on Social Media.” Webinar sponsored by the Program in Practical Policy Engagement, University of Michigan (2020).

Co-organizer, open panels on “Technology, Inequality, and Social Justice,” Society for the Social Studies of Science meeting, New Orleans, Louisiana (2019).

“Leveraging Social Media as Scholars”, Enriching Scholarship conference, University of Michigan (2019).

Co-organizer, open panels on “The Politics of Science and Technology in International Development,” Society for the Social Studies of Science meeting, Sydney, Australia (2018).

Speaker, Author Meets Critics Session for the Carson Prize, Society for the Social Studies of Science, Sydney, Australia (2018).

Organizer, Author Meets Critics Session for the Fleck Prize, Society for the Social Studies of Science, Sydney, Australia (2018).

Keynote Speaker, Institute for Social Change, Program in Public Scholarship, Rackham Graduate School, University of Michigan (2017).

Organizer, Author Meets Critics Session for the Carson Prize, Society for the Social Studies of Science, Boston, MA (2017).

Speaker, “Increasing Diversity in Science and Technology Studies and Science Policy”, Washington, DC (2017).

Organizer, *Patents, Social Justice, and Public Responsibility Symposium*, University of Michigan (2017). Sponsored by the Institute for the Humanities.

Speaker, Public Scholarship Workshop, University of Michigan (2017)

Discussant, *Gender: New Works, New Questions* (Focus on Anna Kirkland's book, *Vaccine Court: The Law and Politics of Injury*, NYU Press, 2017), University of Michigan.

Moderator and Co-Organizer, Meeting on Making the Living World Engineerable: Science, Practice, and Policy, National Academies of Science, Engineering, and Medicine, November 2017.

Co-Organizer, "Envisioning a Feminist Approach to Science and Technology Policy," *European Association for the Social Studies of Science and Technology/Society for the Social Studies of Science* meeting, Barcelona, Spain (2016).

Discussant, "Replaceable Parts: Prosthetic Technologies in Biomedicine," *Society for the Social Studies of Science* meeting, Denver, Colorado (2015).

Co-Organizer, "The Other Experts in Policy", *Society for the Social Studies of Science* meeting, Denver, Colorado (2015).

Organizing Committee: Knowledge from the Margins: Social Justice and Sustainability Conference, Michigan State University, Lansing, MI (2015).

Discussant, Imagining Energy Futures Panel, *Society for the Social Studies of Science/ESOCITE* meeting, Buenos Aires, Argentina (2014).

Chair, "Next Generation" Technologies: Expectations, Continuities, and Governance, *Society for the Social Studies of Science/ESOCITE* meeting, Buenos Aires, Argentina (2014).

Presenter/Faculty Mentor, STS Summer School: Science and Governance at the Frontiers of Life, Harvard University, Cambridge, MA (2014).

Participant, Invitational Workshop on SRM Geoengineering Governance, sponsored by the Bipartisan Policy Center, Environmental Defense Fund, Carnegie Mellon University, and UC Berkeley (2014).

Workshop on Geoengineering Mapping, University College London (2013).

"Race and Genes" discussant for seminar with Prof. Joan Fujimura, University of Michigan (2013).

Organizer, Panel on "Understanding the Politics of the Patent System in Comparative and International Perspective", Copenhagen, Denmark (2012).

Scientific Committee, 2011 Risk Science Center Symposium: Risk, Uncertainty, and Sustainable Innovation, University of Michigan – Ann Arbor (2011).

Co-organizer, Panel on "Understanding the Politics of Expertise in Policy Domains," *Society for the Social Studies of Science* meeting, Cleveland, OH (2011).

Program Committee, Annual Meeting, Society for the Study of Nanoscience and Emerging Technologies, Tempe, AZ (2011).

Co-organizer, Panel on "Energy Controversies and Conflicts," *Science, Knowledge, and Technology*

Section of the *American Sociological Association* (2011).

Presenter, STS: The Next Twenty – A Conversation for STS Graduate Programs, Harvard University, Cambridge, MA (2011).

Organizer, Panel on “The Politics of Expertise,” *Law and Society Association* meeting, Chicago, IL (2010).

Peer Review Panel, Austrian Genome Research Foundation’s Ethical, Social, and Legal Implications Program (invited but declined) (2009).

NSF Workshop on Interpretive Methodologies in Political Science, Toronto, ON (2009).

Program Committee, Atlanta Conference on Science and Innovation Policy, Atlanta, GA (2009).

Organizer, Panel Series on “New Sentinels of Progress: Emerging Forms of Governing Technology,” *Social Studies of Science* conference, Washington, DC (2009).

Moderator and Career Panel Speaker, Science & Technology in Society: An International, Interdisciplinary Graduate Student Conference, *American Association for the Advancement of Science* (2008).

Session Organizer and Chair, International Issues Panel, *Gordon Conference on Science and Technology Policy*, Big Sky, Montana, August 2006.

Commentator, *Bodies, Networks, Geographies: Colonialism, Development, & Cold War Technopolitics*, Conference, University of Michigan (2005).

Organizer, Panel Series on “Science, Technology, and the Corporation,” *Society for the Social Studies of Science* Conference, Pasadena, CA (2005).

Commentator, *Society for the Social Studies of Science* conference, Atlanta, GA (2003).

Commentator, *Race and the New Genomics: A Multidisciplinary Symposium on Science and Society’s Impact on Racialized Identities*, University of Illinois – Chicago (2003).

Panel Series Organizer, “Seeing like a Corporation: Power, Accountability, and Responsibility in the Development of Technology,” *Society for the Social Studies of Science* conference, Milwaukee, WI (2002).

Commentator, *Organizing Visions: The Ambivalence of Transparency in Science, Technology, and Politics* conference, Ithaca, NY (2002).

Panel Organizer, *Society for the Social Studies of Science* conference, Cambridge, MA (August 2001).

Organizer, *Technologies of Uncertainty: Reconstructing Politics Through Rhetorics of Risk*, Cornell University (May 2001).

Organizer, *Graduate Student Conference on Technology and Identity*, Cornell University (May 1999).

Organizer, *Graduate Student Workshop on Knowledge and Practice*, Cornell University (May 1997).

PROFESSIONAL MEMBERSHIPS:

Science and Democracy Network
Society for the Social Studies of Science
American Sociological Association
American Association for the Advancement of Science
The IPBio Network

PROFESSIONAL LEADERSHIP

Technology Advisory Board, Sloan Foundation (2021-present)
Science and Democracy Network Governing Council (2008-present)
American Sociological Association
 Merton Book Prize Committee, 2020
Society for the Social Studies of Science
 Council member (elected), (2014-2017)
 Mullins Article Prize Committee, 2015
 Carson Book Prize Committee, 2016
 Fleck Book Prize Committee, 2017
 Council member, Student Section of the Society for the Social Studies of Science (2002-2005)
 Student Representative (elected) to the 4S Council (2000-2002)

SELECTED PROFESSIONAL EXPERIENCE

RAND Critical Technologies Institute
 American Association for the Advancement of Science (AAAS) Intern, Summer 1997.

National Academy of Sciences
 Research Assistant, Space Studies Board, Nov. 1995-Dec. 1997

White House Advisory Committee on Human Radiation Experiments
 Research Associate, Nov. 1994-Oct. 1995

TEACHING EXPERIENCE

University of Michigan – Ann Arbor, Ford School of Public Policy
 The Politics of Public Policy (comparative politics variant, graduate)
 Introduction to Science and Technology Policy Analysis (graduate)
 Genetics and Biotechnology Policy (graduate and undergraduate)
 Qualitative Methods (graduate)

Guest Lectures, University of Michigan (listed by department, course number, course title)
 HBHE 715: *Ethics, Genomics & Health*
 BIO 144: *Genomics in Society*
 History 285: *Science, Technology, Medicine, and Society*
 History/SI/Rackham 619: *Knowledge/Power/Practice in Science, Technology, and Medicine*
 HMP 517: *Issues in Public Health Genetics*
 PUBPOL 657: *Practicum in Science & Technology Policy*

PubPol 496: *Senior Colloquium*
PubPol 754: *Research Seminar in Science, Technology, and Public Policy*
PubPol 757: *National Science Policy*
RC 275: *Social Dynamics of Science, Technology, and Medicine*
SOC 475: *Medical Sociology*
Ford School of Public Policy *Summer Program in Public Policy and International Affairs*
UC 245: *Global Interdependence*
UC 254: *Predicting the Future*
UC 475: *When Faith Meets Science: An Evolving Dialogue on New Choices and New Technologies*
WS 402: *Gender and Health Policy*

University of California – Los Angeles, Department of Public Policy
The Politics of International Health, from Smallpox to Stem Cells

Northwestern University, Department of Sociology
Law and Society
The Politics of Biomedicine
Cultural Studies of Biomedicine

Duke University, Department of Economics
The Economics and Politics of Biomedicine
Sociology of Technology
Economic Science Studies

Cornell University, Department of Science and Technology Studies
Environmental Ethics (teaching assistant)
Agriculture, History, and Society (teaching assistant)
Ethics in Health and Medicine (teaching assistant)

UNIVERSITY OF MICHIGAN SERVICE

Ford School of Public Policy:

Chair, Racial Justice Faculty Hiring Committee, 2021-present
Target of Opportunity Faculty Hiring Committee, 2021-present
Third Year Faculty Review Committee, 2021-2022
Clinical Faculty Hiring Committee, 2020-2021
BA Program Committee, 2019-2021
Research and Public Engagement Task Force, 2017-2018
Global Engagement Task Force, 2017-2018
Executive Committee, Graham Sustainability Institute, 2017-2018
Planning Lead, Diversity, Equity, and Inclusion Committee, Summer 2015-Summer 2016
Ad-Hoc Tenure and Third Year Review Committees, 2014, 2016, 2017
Faculty-Student Alliance, 2015
Executive Committee, 2013-2015
Sustainability Faculty Search Committee, 2014-2015
Faculty Advisor, Health Policy Students Association
Faculty Advisor, Ford + SPPG Case Competition
Diversity Committee, 2014
Sociology Faculty Search Committee, 2012-2013

Grant Reviewer, Center for Public Policy in Diverse Societies, 2013
International Curriculum Committee, 2009-2010
Master's Program Committee, Fall 2008
Speaker's Committee, Fall 2008
Faculty Affiliate, International Policy Center, 2005-present

Other University Service:

Selection committee, Anti-Racism Faculty Hiring Initiative, 2021
UM Faculty Grievance Panel, 2020-present
Representative to the Public Interest Technology University Network, 2019-present
Provost's Planning Committee on Science and Technology Policy, 2017-2018
Executive Committee, Institute for Research on Women and Gender, 2017-present
STS Speaker Series Committee, 2017-2018
Faculty Advisory Board, Office of the Vice Provost for Equity, Inclusion, and Academic Affairs, Summer 2015-Summer 2016
Center for Research on Learning and Teaching, Faculty Advisory Board, Fall 2014-Spring 2015.
STS Mini-Conference Steering Committee, 2014-2015
Provost's Committee on Diversity, Equality, and Inclusion, 2014
Steering Committee, Science, Technology, and Society Program, 2005-present
Executive Committee, Risk Science Center (2013-2015)
Internal Advisory Board, Risk Science Center (2010-2015)
External Advisory Board, Risk Science Center (2010-2015)
Dow Doctoral Fellows Sustainability Review Committee, 2013
Search Committee, Risk Science Center (2010-2011)
Faculty Affiliate, Center for Global Health (2011-2012)
Series Co-organizer, ELSI/Personal Genomics Work-in-Progress series, 2010-2011
Steering Committee, OVPR-funded seminar series on ELSI Issues in Personal Genomics, 2009-2010
Faculty Affiliate, Life Sciences & Society Program, 2005-2008
Faculty Affiliate, Program in the Environment, 2008-present

PHD STUDENTS AND POSTDOCTORAL FELLOWS SUPERVISED

PhD Students:*

Ember McCoy, School for Environment and Sustainability, 2021-present
Margarita Maria Rodriguez Morales, PhD Program in Sociology and Public Policy, 2020-present (advisor)
Tara Easter, School for Environment and Sustainability, 2020-present (pre-dissertation and dissertation committee)
Gabriel Grill, School of Information, 2020 (pre-dissertation committee)
Hined Rafeh, Department of Science and Technology Studies, Rennselear Polytechnic Institute, 2018-2021 (dissertation committee)
Katherine Browne, School for Environment and Sustainability, 2017-2021 (dissertation committee)
Rebecca Frank, School of Information, 2015-2018 (dissertation committee)
Matthew Sullivan, Sociology, 2014-2018 (dissertation committee)
Erica Morrell, Joint Program in Sociology and Public Policy, 2011-2016 (co-chair)
Benjamin Trump, Department of Health Management and Policy, 2015-2016 (dissertation committee)
Leslie Rott, Sociology, 2010-2013 (dissertation committee)
Fiona Greenland, Sociology, 2010-2012 (pre-dissertation committee)
Christine Kirchhoff, School for Natural Resources and the Environment and STPP, 2006-2007 (pre-

dissertation committee)

**All at University of Michigan unless otherwise noted*

Postdoctoral Fellows:

Johanna Okerlund, 2021-2022

Beza Merid, 2019-2021

Jason Cross, 2010-2012

Leah Nichols, 2009-2011

Joy Rohde, 2008-2010

Paul Erickson, 2006-2008

Dan Plafcan, 2006-2008

MANUSCRIPT AND GRANT REVIEWS

Editorial Board, *Science, Technology, and Human Values* (2022-present)

Editorial Board, *Endeavour* journal (2016-present)

Editorial Board, *Engaging Science, Technology, and Society* journal (2015-2020)

Review Board, *International Journal of Technoethics* (2010-2017)

Advisory Board, Science, Values, and the Public book series, University of Pittsburgh Press (2019-present)

Editorial Board, Technoscience and Society book series, University of Toronto Press (2020-present)

Editorial Board, Elements of Public Engagement in Science series, Cambridge University Press (2022-present)

Columbia University Press; Oxford University Press; Cambridge University Press; Johns Hopkins University Press; Routledge Press; Elsevier; Polity Press; Springer Press; University of Michigan Press; World Scientific; Economic & Social Research Council (UK); Dutch Cancer Society; National Science Foundation, *BioSocieties*, *Catalyst: Feminism, Theory, Technoscience*; *Science & Engineering Ethics*; *BioSocieties*; *Science & Public Policy*; *Social Studies of Science*; *Public Understanding of Science*; *Science, Technology, & Human Values*; *Trends in Biotechnology*; *American Journal of Public Health*; *Social Science & Medicine*; *Journal of Women's Health*; *Minerva*; *Journal of Public Affairs Education*; *Critical Policy Studies, Technology & Culture*, *Engaging Science, Technology, and Society*; *Journal of Responsible Innovation*; *Journal of Law, Medicine, and Ethics*; *History of Science*; *Yale Journal of Biology and Medicine*; *The CRISPR Journal*; *Journal of Counseling Psychology*; *Energy Research and Social Science*.

Senior Advisory Panel, Science and Technology Studies Program, National Science Foundation (2009-2012)

LANGUAGE PROFICIENCY

English (primary/native language); Tamil (fluent); Spanish (proficient); German (proficient)