

# SHOBITA PARTHASARATHY

FORD SCHOOL OF PUBLIC POLICY, UNIVERSITY OF MICHIGAN  
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## **ACADEMIC POSITIONS**

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### University of Michigan

Associate Professor, Ford School of Public Policy, September 2011-present  
Director, Science, Technology, and Public Policy Program, 2016-present  
Department of Women's Studies, January 2016-present (appointment by courtesy)  
Faculty Affiliate, Organizational Studies Program  
Faculty Affiliate, Feminist Science Studies Program  
Steering Committee, Science, Technology, & Society Program  
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**

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### 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**

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*Patent Politics: Life Forms, Markets, and the Public Interest in the United States and Europe* (University of Chicago Press, February 2017)

[Reviewed in *Critical Policy Studies* 2017 (short review)]

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

[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)]

## **JOURNAL ARTICLES**

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"Grassroots Innovation Systems for a Post-Carbon World: Promoting Economic Democracy, Environmental Sustainability, and the Public Interest." *Brooklyn Law Review*, Volume 82, Issue 2, 2017,

pp. 761-787.

“Lessons for CRISPR from the Missed Opportunities of Asilomar.” *Ethics in Biology, Engineering, and Medicine* (Vol. 6, No. 3-4, p. 305-312) 2016.

“Whose Knowledge? Whose Values? The Comparative Politics of Patenting Life Forms in the United States and Europe.” *Policy Sciences* (Vol 44, No. 3, p. 267-288), 2011.

“The Implications of Direct-to-Consumer Genomic Testing for the Public’s Health: Taking Sociotechnical Architectures Seriously.” *Genetics in Medicine* (Vol 12, No. 9, p. 544-547), 2010.

“Breaking the Expertise Barrier: Understanding Activist Challenges to Science and Technology Policy Domains.” *Science & Public Policy*. (Vol. 37, No. 5, pp. 355-367), 2010.

“Architectures of Genetic Medicine: Comparing Genetic Testing for Breast Cancer in the USA and UK.” *Social Studies of Science*. (Vol. 35, No. 1, pp. 5-40), 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.

“Regulating Risk: Defining Genetic Privacy in the US and Britain.” *Science, Technology, and Human Values*. (Vol. 29, No. 3). pp. 332-352, 2004.

## **BOOK CHAPTERS**

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“Patents and Politics.” In Sahra Gibbon, Barbara Prainsack, Stephen Hilgartner, and Janelle Lamoureaux, eds., *Handbook of Genomics, Health and Society*. Routledge, forthcoming (peer reviewed).

“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, 2015 (peer reviewed).

“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, 2014 (peer reviewed).

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

“Reconceptualizing Technology Transfer: The Challenge of Building an International System of Genetic Testing for Breast Cancer.” *Shaping Science and Technology Policy: The Next Generation of Research*, edited by David H. Guston and Daniel Sarewitz, University of Wisconsin Press, 2006 (peer reviewed).

“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. Cambridge, MA: MIT Press. pp. 133-150, 2003 (peer reviewed).

## **FELLOWSHIPS, AWARDS, AND VISITING SCHOLARSHIPS**

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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.

## **RESEARCH GRANTS**

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Requested: Principal Investigator, "The Politics of Technology for the Poor: Between India and the World," US National Science Foundation (USD \$280,800).

Requested: Principal Investigator, "Scientific Citizenship in the 21<sup>st</sup> Century: A Research and Engagement Project--Building Capacity for Civic Engagement through Science Education," Templeton Foundation (USD \$217,400).

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).

Sole 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).

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

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

Sole 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).

Sole 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).

Sole 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).

Sole 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).

Sole 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).

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

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

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

## POLICY PAPERS AND OPINION PIECES

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

["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.

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.

## **OTHER PUBLICATIONS**

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.

“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, 2009.

“Book Review: Science and Technology Policy: Open Systems in Action.” *Technology & Culture*. Fall 2008.

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.

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

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.

## **INVITED PRESENTATIONS**

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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)

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

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

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

"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**

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*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).

3<sup>rd</sup> 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).

## **MEDIA COVERAGE**

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Center for Genetics and Society, “Webcast on Patent Politics, a discussion with Tania Simoncelli, Broad Institute of MIT and Harvard”, November 10, 2017.

Diana Crow, “[Silicon Valley Meets Biomedical Research in the Chan Zuckerberg Initiative.](#)” *Cell*. Vol. 169, Issue 5, p. 767-769.

Center for Democracy and Technology, “[TechTalk](#) Podcast.” Interview with Brian Wesolowski (on *Patent Politics*). March 31, 2017.

CJ Arlotta, “[Britain’s Best Option to Undo Brexit.](#)” *The Fiscal Times*. July 1, 2016.

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

Ian Dillingham. “[Proposed genetic research moratorium raises ethical considerations, but unlikely to impact University projects.](#)” *The Michigan Daily*. March 22, 2015.

Tom Fontaine, Megha Satyanarayana, and Adam Smeltz. “[CDC’s misinformation spreads faster than Ebola virus.](#)” *Pittsburgh Tribune-Review*. October 25, 2014.

Katelyn Feral. "[Komen acceptance of drilling-linked money raises ire.](#)" *Pittsburgh Tribune*. October 25, 2014.

Bradley Fikes. "[Unanswered Questions with Gene Patent Ruling.](#)" *San Diego Union-Tribune*. July 31, 2013.

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

Richard Wolf. "[Justices rule human genes cannot be patented.](#)" *USA Today*. June 13, 2013.

Lois Collins. "[Supreme Court says no patent on natural DNA, upholds other Myriad patents.](#)" *Deseret News*. June 13, 2013.

Lois Collins. "[Can a human gene patented? Myriad Genetics says yes; Supreme Court poised to decide.](#)" *Deseret News*. June 10, 2013.

Amy Maxmen. "[Are Gene Patents Standing in the Way of Personalized Medicine?](#)" *PBS NOVA*next.. March 19 2013.

Daniel Cressey. "[Cancelled project spurs debate over geoengineering patents.](#)" *Nature*. May 23 2012.

Gwyneth K. Shaw. "[No Such Thing as 'Nanotechnology'? Discuss.](#)" *The New Haven Independent*. February 11, 2011.

Silke Hasselman. "[USA-Biotech Justizministerium will Gen-Patentierung stark einschränken.](#)" German ARD (Public) Radio. November 5, 2010.

"Judge Cites UM Researcher's Work in Landmark Gene Patent Case." *Great Lakes Innovation and Technology Report*. April 1, 2010.

Jim Giles, "[Hack the Planet: Who Decides?](#)" *New Scientist*. March 29, 2010.

Catherine Saez, "[Gene Patenting in Question in the US, EU; New Resistance Effort.](#)" *Intellectual Property Watch*. September 2, 2009.

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

Earl Lane. "Battles Brewing as Public Questions Biotech's Living Inventions." *AAAS News*. May 26, 2009.

Ángel González, "Protesters demand new cancer drugs." *The Seattle Times*. September 19, 2007.

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.

## **PROFESSIONAL ACTIVITIES**

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

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Science and Democracy Network Governing Council (2008-present)

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)

### **POLICY WORK**

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

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

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

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

## **SELECTED PROFESSIONAL EXPERIENCE**

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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**

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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)

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**

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### **Ford School of Public Policy:**

Research and Public Engagement Task Force, 2017-present  
Global Engagement Task Force, 2017-present  
Ford School representative to the Graham Sustainability Institute, 2017-present  
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:**

Provost's Planning Committee on Science and Technology Policy, 2017-present  
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**

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*PhD Students:*

Katherine Browne, School of Natural Resources and the Environment, 2017-present (on dissertation committee)

Rebecca Frank, School of Information, 2015-present (on dissertation committee)

Matthew Sullivan, Sociology, 2014-present (on dissertation committee)

Erica Morrell, Joint PhD in Sociology and Public Policy, 2011-2016 (on dissertation committee)  
Current position: Postdoctoral fellow, Middlebury College

Benjamin Trump, Department of Health Management and Policy, 2015-2016 (on dissertation committee)  
Current position: Postdoctoral fellow, Oak Ridge Institute for Science and Education

Leslie Rott, Sociology, 2010-2013 (on dissertation committee)  
Current position: Health Data Analyst, HealthCall Detroit

Fiona Greenland, Sociology, 2010-2012 (on dissertation committee)  
Current position: Postdoctoral fellow, University of Chicago

Christine Kirchhoff, School for Natural Resources and the Environment and STPP, 2006-2007 (on pre-dissertation committee)  
Current position: Assistant Professor, Department of Civil and Environmental Engineering, University of Connecticut

*Postdoctoral Fellows:*

Jason Cross, postdoctoral fellow, 2010-2012

Current position: Director of the Innovation & Technology Policy Lab & Law School, Duke University

Leah Nichols, postdoctoral fellow, 2009-present

Current position: Associate Program Director, National Science Foundation

Joy Rohde, postdoctoral fellow, 2008-2010

Current position: Assistant Professor of Public Policy, University of Michigan

Paul Erickson, postdoctoral fellow, 2006-2008

Current position: Associate Professor of History, Wesleyan University

Dan Plafcan, postdoctoral fellow, 2006-2008

Current position: Policy Advisor, US Department of Defense

## **MANUSCRIPT AND GRANT REVIEWS**

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

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

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

Johns Hopkins University Press; Routledge Press; Elsevier; Polity Press; Springer Press; University of Michigan Press; Economic & Social Research Council (UK); Dutch Cancer Society; National Science

*Foundation, 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.*

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

## **LANGUAGE PROFICIENCY**

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