

KELLY A. JOYCE

Drexel University

3101 Market Street, Room 220
Philadelphia, PA 19104

Phone: 215.518.7450

E-mail: kaj68@drexel.edu

EDUCATION

Ph.D. in Sociology, Boston College
B.A. in Anthropology, Brown University

RESEARCH INTERESTS

Medical Sociology, Science and Technology Studies, Sociology of Aging, Qualitative Methods

EMPLOYMENT

Academic

Professor, Drexel University, Sociology Department and Center for Science, Technology & Society, 2012-present.
Associate Professor, College of William and Mary, Sociology Department, 2008-2012.
Assistant Professor, College of William and Mary, Sociology Department, 2002-2008.
Lecturer, Harvard University, Committee on Degrees in Social Studies, 1999-2002.

Administrative

Interim Dean of the College of Arts & Science, Drexel University, June 1, 2021-August 31, 2022.
Director, Drexel University, Center for Science, Technology, & Society, 2012-2018.
Interim Head, Drexel University, Sociology Department, 2014-15.
Dean of Undergraduate Studies, College of William and Mary, 2011-12.
Program Director, National Science Foundation (NSF), 2009-11, in:
Science, Technology & Society Program (Directorate of Social, Behavioral and Economic Sciences; Division of Social and Economic Sciences)
Ethics Education in Science and Engineering (Cross-Directorate Program)

HONORS, PRIZES and AWARDS

Publication Awards

Eliot Freidson Outstanding Publication Award, sponsored by the American Sociological Association's Medical Sociology section, awarded 2010 for *Magnetic Appeal: MRI and the Myth of Transparency*.

Honorable mention winner, IEEE Life Members' Prize in Electrical History, sponsored by the Society for the History of Technology, awarded 2007 for "From Number to Pictures: The Development of Magnetic Resonance Imaging and the Visual Turn in Medicine."

Administrative Awards

2011 National Science Foundation Director's Award for Collaborative Integration, for contributions to the Ethics Education in Science and Engineering Program by contributing to the education of ethical scientists, interagency collaboration, and extraordinary efforts in integrating ethical expertise with scientific knowledge.

Teaching Awards

- 2008 Alumni Fellowship Award for Excellence in Teaching, William and Mary Alumni Association
- 2004 Distinguished Member, The National Society of Collegiate Scholars, College of William and Mary
- 2004 Favorite Professor Award, Kappa Alpha Theta, College of William and Mary
- 2000/1 Bok Award for Teaching Excellence, Harvard University

RESEARCH

Books

- 2010 Kelly Joyce & Meika Loe, editors. *Technogenarians: Studying Health and Illness through an Ageing, Technology, and Science Lens*, 16th Sociology of Health and Illness Monograph. Malden, MA: Wiley-Blackwell Publishers.
- 2008 Kelly Joyce. *Magnetic Appeal: MRI and the Myth of Transparency*. Ithaca, NY: Cornell University Press. *Eliot Freidson Outstanding Publication Award given by the Medical Sociology section, American Sociological Association, awarded 2010.

An excerpt reprinted in *The Sociology of Health and Illness: Critical Perspectives, 9th edition*, 2013, edited by Peter Conrad and Valerie Leiter, Worth Publishers.

Special Journal Issue

- 2017 Kelly Joyce & Laura Senier, guest editors. Environmental Exposures: Technologies, Techniques, and Politics. *Environmental Sociology* 3(1).

Refereed Articles

- 2022 Diane Sicotte, Kelly Joyce, and Arielle Hesse. "Necessary, Welcome or Dreaded? Insights on Low-carbon Energy Transitions from Unionized Energy Workers in the United States," *Energy Research & Social Science* 88(102511): 1-10. DOI: 10.1016/j.erss.2022.102511
- 2022 Steve G. Hoffman, Kelly Joyce, Sharla Alegria, Susan Bell, Taylor M. Cruz, Safiya Noble, Benjamin Shestakofsky and Laurel Smith-Doerr. "Five Big Ideas About Artificial Intelligence." *Contexts: Sociology for the Public*.
- 2021 Kelly Joyce, Laurel Smith-Doerr, Sharla Alegria, Susan Bell, Taylor M. Cruz, Steve G. Hoffman, Safiya Noble, and Benjamin Shestakofsky. "Toward a Sociology of Artificial Intelligence: A Call for Research on Inequalities and Structural Change," *Socius: Sociological Research for a Dynamic World*. 7: 1-11. DOI: 10.1177/2378023121999581
- 2020 Kelly Joyce, Jennifer James & Melanie Jeske, "Regimes of Patienthood: Developing an Intersectional Concept to Theorize Illness Experiences," *Engaging Science, Technology & Society* 6: 185-192. DOI: 10.17351/ests2020.389
- 2020 Kelly Joyce & Melanie Jeske, "Using Autoimmune Strategically: Diagnostic Lumping, Splitting, and the Experience of Illness," *Social Science & Medicine* 246(February): DOI: 10.1016/j.socscimed.2020.112785
- 2019 Kelly Joyce & Melanie Jeske, "Revisiting the Sick Role: Performing Regimes of Patienthood in the 21st Century," *Sociological Viewpoints* 33(1): 70-90. DOI:10.26908/3312019_016
- 2019 Kelly Joyce. "Smart Textiles: Transforming the Practice of Medicalisation and Healthcare." *Sociology of Health and Illness* 41(S1): 147- 161. DOI:10.1111/1467-9566.12871.

- 2018 Kelly Joyce, Dalton George, Kendall Darfler, Jason Ludwig & Kris Unsworth. "Engaging STEM Ethics Education." *Engaging Science, Technology and Society* 4: 1-7.
- 2017 Diane Sicotte & Kelly Joyce. "Not a 'Petro Metro': Challenging Fossil Fuel Expansion." *Environmental Sociology* 3(4): 337-347.
- 2017 Kelly Joyce & Laura Senier. "Why Environmental Exposures?" *Environmental Sociology* 3(1): 1-6.
- 2014 Christine Parks, Frederick Miller, Michael Pollard, Carlo Selmi, Dori Germolec, Kelly Joyce, Noel Rose & Michael Humble. "Expert Panel Workshop Consensus Statement on the Role of the Environment in the Development of Autoimmune Disease," *International Journal of Molecular Sciences* 15(8):14269-14297.
- 2011 Fahmida Chowdhury & Kelly Joyce, "Pushing the Boundaries of Transdisciplinary Science Through Cyber-Enabled Research," *American Journal of Preventative Medicine* 40(5S2): S103-S107.
- 2010 Kelly Joyce & Meika Loe. "A Sociological Approach to Ageing, Technology and Health," *Sociology of Health and Illness* 32(2): 171-180.
- 2007 Kelly Joyce, John Williamson & Laura Mamo. "Technology, Science, and Ageism: An Examination of Three Patterns of Discrimination," *The Indian Journal of Gerontology* 21(2): 110-127.
- 2006 Kelly Joyce. "From Numbers to Pictures: The Development of Magnetic Resonance Imaging and the Visual Turn in Medicine," *Science as Culture* 15(1): 1-22. *Honorable mention winner, IEEE Life Members' Prize in Electrical History, sponsored by the Society for the History of Technology, awarded 2007.
- 2005 Kelly Joyce. "Appealing Images: Magnetic Resonance Imaging and the Construction of Authoritative Knowledge," *Social Studies of Science* 35(3): 437-462.

Reprinted and translated into Korean in *Brain, I, and US: What Does Neuroscience Tell Us About Ethics?*, 2010, edited by S. Hong & Dayk Jang, 257-304. Seoul: Badabooks.

Book Chapters

- 2020 Kelly Joyce, "Encountering Ageing, Science, and Technology: Whose Future? Whose Definition of Ageing?" in *Socio-Gerontechnology: Interdisciplinary Critical Studies of Ageing and Technology*, edited by Alexander Peine, Barbara Marshall, Wendy Martin, and Louis Neven.
- 2011 Kelly Joyce, "On the Assembly Line: Neuroimaging Production in Clinical Practice," In *Sociological Reflections on the Neurosciences*, edited by Martyn Pickersgill & Ira Van Keulen, 75-98. Bingley, UK: Emerald Group Publishing Limited.
- 2011 Kelly Joyce, "Is Tuna Safe? A Sociological Analysis of Federal Fish Advisories," In *Mercury Pollution: A Transdisciplinary Treatment*, edited by Sharon Zuber & Michael Newman, 71-100. Boca Raton, FL: CRC Press (Taylor and Francis Group).
- 2010 Kelly Joyce. "The Body as Image: An Examination of the Economic and Political Dynamics of Magnetic Resonance Imaging and the Construction of Difference" in *Biomedicalization: Technoscience, Health and Illness in the United States*, edited by Adele Clarke, Jennifer Fosket, Laura Mamo, Jennifer Fishman & Janet Shim, 197-217. Durham, NC: Duke University Press.
- 2006 Kelly Joyce & Laura Mamo. "Graying the Cyborg: New Directions in Feminist Analyses of Aging, Science,

and Technology” in *Age Matters: Realigning Feminist Thinking*, edited by Toni Calasanti & Kathleen Slevin, 99-121. New York: Routledge. *Reprinted in *Extravagant Bodies: Extravagant Age Reader*, edited by Kontejener, 2013, Anagram Books.

Conference Proceedings

- 2016 William Mongan, Endla Anday, Genevieve Dion, Adam Fontecchio, Kelly Joyce, Timothy Kurzweg, Yuqiao Liu, Owen Montgomery, Ilhaan Rasheed, Cem Sahin, Shrenik Vora & Kapil Dandekar. ‘A Multi-Disciplinary Framework for Continuous Biomedical Monitoring Using Low-Power Passive RFID-Based Wireless Wearable Sensors.’ *Proceedings of the 2016 IEEE International Conference on Smart Computing (SMARTCOMP)*, St. Louis, MO: 1-6.
<http://doi.ieeecomputersociety.org/10.1109/SMARTCOMP.2016.7501674>

Encyclopedia Entries

- 2016 Kelly Joyce, Alexander Peine, Louis Neven & Florian Kohlbacher, “Aging: The Sociomaterial Constitution of Later Life” in *Handbook of Science and Technology Studies*, edited by Ulrike Felt, Rayvon Fouche, Clark Miller and Laurel Smith-Doerr, 915-942. Cambridge, MA: MIT Press.
- 2015 Kelly Joyce, Meika Loe & Lauren Diamond-Brown. "Science, Technology and Ageing" in the *Handbook of Cultural Gerontology*, edited by Julia Twigg and Wendy Martin, 157-164. UK: Routledge.
- 2009 Kelly Joyce. “Green Burials” in *The Encyclopedia of Death and the Human Experience*, edited by Clifton Bryant and Dennis Peck, 527-529. California: Sage Publications, Inc.
- 2009 Kelly Joyce. “Christian Beliefs and Traditions” in *The Encyclopedia of Death and the Human Experience*, edited by Clifton Bryant and Dennis Peck, 192-196. Thousand Oaks, CA: Sage Publications, Inc.
- 2003 Kelly Joyce & John Williamson. “Body Recycling” in *The Handbook of Death and Dying, Volume 2*, edited by Clifton Bryant, 775-785. Thousand Oaks, CA: Sage Publications, Inc.

Reports and Notes

- 2021 Arielle Hesse, Victoria Wible, Kelly Joyce and Diane Sicotte. *Equitable Clean Energy Futures That Support Philadelphia Workers Through Training and Apprenticeship Programs*. Pp.ii-17.
- 2021 Arielle Hesse, Diane Sicotte, and Kelly Joyce. *A Clean Energy Future That Works for Pennsylvania Workers*. Pp.ii-48.
- 2018 Kelly Joyce and Christian Hunold. 2018. “How to Make Philadelphia a Safer Place to Ride Your Bike.” *Philadelphia Inquirer* (January 13).
- 2016 Patricia White, Roberta Spalter-Roth, Amy Best & Kelly Joyce. *A Relational Model for Understanding the Use of Research in the Policy Process Report*, 144 pages. Funded by NSF Award #1441446.
- 2015 Patricia White, Roberta Spalter-Roth, Amy Best & Kelly Joyce, “Social Science Research and Public Policy,” *ASA Footnotes* 43(3): 3.

Book Reviews

- 2013 Chagas Disease: History of a Continent's Scourge (François Delaporte). *International Studies in the Philosophy of Science* 27(4): 459-461.
- 2012 Gender and the Science of Difference: Cultural Politics of Contemporary Science and Medicine (Jill Fisher, editor). *Gender and Society* 26(5): 808 - 810.

- 2012 A Body Worth Defending: Immunity, Biopolitics, and the Apotheosis of the Modern Body (Ed Cohen). *Science as Culture*. 21(1): 135-9.
- 2010 Acting In Anaesthesia: Ethnographic Encounters with Patients, Practitioners and Medical Technologies (Dawn Goodwin). *American Anthropologist* 112(3): 481-2.
- 2009 Health, Technology and Society: A Sociological Critique (Andrew Webster). *Medical Sociology Online* (a free access publication of the British Sociological Association) 4(1).
- 2007 Your Life or Mine: How Geoethics Can Resolve The Conflict Between Public and Private Interests in Xenotransplantation (Martine Rothblatt), *Medical Sociology Online* (a free access publication of the British Sociological Association) 2(2).
- 2004 The 'Better Angels' of Capitalism: Rhetoric, Narrative, and Moral Identity among Men of the Upper Class (Andrew Herman). *Critical Sociology* 30(2): 556-560.

Fellowships and Grants

1. External Funding

- Emily York, PI, James Mason University, Shannon Conley, co-PI, David McGraw, co-PI, Amanda Biesecker, co-PI, Chris Bachmann, co-PI, **Kelly Joyce, co-PI**, "Ethical Reasoning in STEM Through Multi-Disciplinary Collaborative Teaching," Colonial Academic Alliance, \$40,000, 1/1/2020-12/31/21.
- Kapil Dandekar, PI, E. Anday, co-PI, V. Bhandari, co-PI, A. Das, co-PI, G. Dion, co-PI, **Kelly Joyce, co-PI**, W. Mongan, co-PI. "SCH: INT: Smart and Connected Health for Newborn Ventilation" (1 R01 EB02936401, NIH, \$1,038,686, 9/20/2019-6/30/2023.
- Diane Sicotte, PI, **Kelly Joyce, co-PI**, "Standard Grant: Societal Aspects of Energy Infrastructure Expansion" (#1827464), NSF, \$345,270, 9/1/2018-8/30/2021.
- Rose Corrigan, PI, **Kelly Joyce, co-PI**, Anna Kirkland, co-PI, "Workshop: Identifying Gaps, Building Bridges: Fostering Critical Exchange Between Socio-legal Studies and STS" (#1656095), NSF, \$48,215, 6/15/2017-7/14/2018.
- Kapil Dandekar, PI, **Kelly Joyce, co-PI**, "CPS: Synergy: Sensing, Processing, and Actuation of Biomedical Smart Textiles for Deep Venous Thrombosis Prevention" (#1U01EB023035-01), NIH, \$1,392,557, May 15, 2016-February 28, 2020.
- Susan Sterett, PI, **Kelly Joyce, co-PI**, "Workshop: Advancing Ethics for Trustworthy Cyberspace and Data Analytics" (#1623445), NSF, \$47,455, February 15, 2016-January 31, 2017.
- Kapil Dandekar, PI, **Kelly Joyce, Senior Personnel**, "PFI: BIC Wearable Smart Textiles Based on Programmable and Automated Knitting Technology for Biomedical and Sensor Actuation Applications" (#1430212), NSF, \$799,577, 8/01/2014 - 07/31/2017.
- Kelly Joyce, PI**, Kris Unsworth, co-PI, "The Ethics of Algorithms" (#1338205), NSF, EESE program, \$300,000, Sept 2013-August 2017.
- Roberta Spalter-Roth, PI, **Kelly Joyce, co-PI**, "EAGER: A Relational Model for Understanding the Use of Research in the Policy Process" (#1441446), NSF, Sociology Program, June 2014-May 2015, \$71,421.

2. Internal Funding

- Claire Herbert, Jason Orne, **Kelly Joyce**, and Diane Sicotte, "Sociology of Property, Regulation and Land Use," Sociology Department Faculty Development Fund, Drexel University, 2/1/2018-1/30/2019, \$7800.
- Susan Bell, **Kelly Joyce**, and Kelly Underman, "Building Medical Sociology: Connecting Universities in the United Kingdom and Drexel University," Sociology Department Faculty Development Fund, Drexel University, 2/1/2018-6/30/2019, \$10,800.
- Kelly Joyce**, International Travel Award, Drexel University, British Sociological Association Annual Conference, Glasgow, UK, September 20, 2018, \$1,000.

Genevieve Dion, David Breen, Kapil Dandekar, Yuri Gogotsi, Kelly Joyce, Antonios Kontsos, William Mongan, Aleister Schauer, Integrated Design Research and Engineering for Advanced Manufacturing (iDREAM), Drexel DARE Proposal, \$250,000, 9/1/2016-8/30/2017.

Diane Sicotte and Kelly Joyce, "Philadelphia: Energy Futures," Sociology Department Faculty Development Fund, Drexel University, 2/29/2016-6/30/2016, \$7860.

Kelly Joyce, Sharpe Service-Learning Faculty Fellow, College of William and Mary, 2007-8, \$1500.

Kelly Joyce, "Researching Chagas Disease in Virginia," Sharpe Community Partnerships Program Research Grant, College of William and Mary, 2006-7, \$2000.

Kelly Joyce, "Theorizing the Fungal Body: Candida Overgrowth, Gender, and Biomedical Knowledge," Faculty Summer Research Grant, College of William and Mary, Summer 2007, \$5000.

Kelly Joyce, "The Rise of Radiology: From X-Ray Technology to an Imaging Revolution," Faculty Summer Research Grant, College of William and Mary, Summer 2005, \$5000.

Kelly Joyce, "Imagining Technology: Perceptions of Magnetic Resonance Imaging in Japan," Faculty Summer Research Grant, College of William and Mary, Summer 2003, \$4000.

Kelly Joyce, University Dissertation Fellowship, 2000-1, Boston College, \$15,000.

Invited Presentations

- 2022 "Plenary: Ageing and Artificial Intelligence: Where is Social Science Research?" Critical Explorations of Ageing Bodies and Socio-Gerontechnology Symposium, May 24.
- 2022 "Smart Textiles: Transforming the Practice of Health Care," New Ideas for Medicine Symposium, the Technical University of Munich, June 11.
- 2021 "Teaching Intelligence Ethics Across the Curriculum." Indiana University, Bloomington, May 11.
- 2018 "Smart Textiles: The Contemporary Contours of Medicalisation and Surveillance Medicine," Cardiff University, April 13; University of York, April 17; University of Edinburgh, April 19, British Sociological Association Medical Sociology Annual Conference, Glasgow, UK, September 20.
- 2018 "Visualizing Health: MRI and Smart Textiles," Medical Humanities Seminar, Center for Cultural Analysis, Rutgers, The State University of New Jersey, New Brunswick, January 17.
- 2017 Critic, Author Meets Critics Session: Miriam Solomon's *Making Medical Knowledge*, Temple University, October 28.
- 2017 Kelly Joyce and Susan Sterett, "Whose Analysis? Whose Expertise?: Partnering for Data Analytics for Small Cities." University of Massachusetts, Amherst, Institute for Social Science Research, October 20.
- 2017 "STS @ Drexel: Lessons Learned," College of Liberal Arts, Temple University, May 8.
- 2016 Diane Sicotte & Kelly Joyce, "Expanding Fossil Fuel Infrastructure: An Overview," Philadelphia Energy Futures Summit, Drexel University, November 16.
- 2016 "Algorithms, Disciplinary Expertise, and Inequalities," SFSU, Health Equity Institute, March 16; University of Massachusetts, Amherst, Institute for Social Science Research, October 27.
- 2015 "Technogenarians: Putting Elders in the Center of Research and Design," Lafayette College, Aging Studies, March 31.
- 2015 Kris Unsworth & Kelly Joyce, "Elegance, Speed and Collaboration: Working with Algorithms in the 21st Century," Thinking with Algorithms: Cognition and Computation in the Work of N. Katherine Hayes Workshop, Durham University, Durham, UK, February 26-7.

- 2014 "Conceptualizing Environmental Exposures and Autoimmune Illnesses," Arizona State University, Barrett, The Honors College, April 16.
- 2013 "Visualizing Health: A Sociological Analysis of MRI," The Rise of the Big Machine: The Use of Magnetic Resonance Imaging (MRI) Healthcare Interdisciplinary Symposium, Interdisciplinary Centre for the Social Sciences (ICOSS), University of Sheffield, December 10.
- 2012 "Classifying Bodies, Classifying Illness: Tracing the Creation of Autoimmune Disease," Boston College, Sociology Department Seminar, November 13.
- 2012 "Technogenarians: What Does Science and Technology Studies Offer the Study of Aging (and Vice Versa)" STS Brownbag Series, University of Wisconsin, Madison, October 11.
- 2012 "Creating Networks and Social Worlds: The Rise of the Category Autoimmunity," Holz Center for Science and Technology Studies, University of Wisconsin, Madison, October 11.
- 2011 "Creating Networks and Social Worlds: The Rise of the Category Autoimmunity (Or, the Horror Autotoxicus)," HTS Seminar Series, Georgia Tech, Atlanta, GA, October 10.
- 2011 "A Sacred Technology? Connecting Cultural Stories about MRI to Medical Practice," *American Cultures in a Digital Age* conference, Vanderbilt University, Nashville, TN, March 16.
- 2010 "Producing and Using Neuroimages in the Clinic," *Neurosociety...What is it with the Brain These Days?!* Conference, Oxford University, Oxford, UK, December 6-7.
- 2010 "Visualizing Health: A Sociological Analysis of MRI," Brandeis University, November 18.
- 2010 "Technogenarians: Integrating Health, Aging, Science and Technology into Sociological Approaches," presented with Meika Loe, British Sociological Association's Futures of Ageing Conference, London, UK, July 17.
- 2010 "Creating Networks and Social Worlds: The Rise of the Category Autoimmune Disease in the United States," American Association for the Advancement of Science-Chemical Heritage Foundation seminar series, Washington D.C., June 15.
- 2010 "Visualizing Health: Magnetic Resonance Imaging in Popular Culture and American Medicine," *Interpreting Technoscience: Explorations in Identity, Culture and Democracy* series, University of Illinois, Urbana-Champaign, March 16.
- 2010 "A Sacred Technology? Connecting Cultural Stories about MRI to Medical Practice," *Biomedical Visualisations and Society: The Transparent Body? Diagnostic Radiology* workshop, University of Warwick, UK, sponsored by the Economic and Social Research Council, January 26-7.
- 2009 "Strategic Visibility: Creating Chagas Disease in Williamsburg, VA," Institute for Health and Aging/Social and Behavioral Sciences Colloquium Series, University of California, San Francisco, April 27.
- 2008 "Seeing Through the Body: Using Qualitative Methods to Explore MRI," Qualitative Methods Group, School of Education, College of William and Mary, April 11.

- 2008 "Magnetic Appeal: MRI and the Myth of Transparency," Science, Technology, and Society Colloquium, University of Virginia, March 13.
- 2006 "Visualizing the Body: Theories and Literatures," *Theories of Science, Medicine, and the Body* seminar, University of Maryland, College Park, February 28.

Contributed Scholarly Papers and Talks

- 2022 Susan Bell, Patrick Grzanka, Kelly Joyce and Laura Senier. "Masking (Not Masking): An STS Visual-Intersectional Approach to Understanding Publics and Science During Rapid Change." American Sociological Association Annual Meeting, Los Angeles, CA, August 5-9.
- 2021 Kelly Joyce and Melanie Jeske, "Medical Device Regulation: The Curious Case of US FDA," Society for the Social Studies of Science Virtual Annual Meeting, October 6-9.
- 2021 Diane Sicotte, Kelly Joyce, and Arielle Hesse, "Envisioning the Just Transition: Energy Workers Envision the Sociotechnical Energy System," Society for the Social Studies of Science Virtual Annual Meeting, October 6-9.
- 2021 Diane Sicotte, Kelly Joyce, and Arielle Hesse, "Which Energy Future? Unionized U.S. Energy Workers Speak," American Sociological Association Virtual Annual Meeting, August 6-10.
- 2019 Kelly Joyce & Diane Sicotte, "Fossil Fuel Infrastructure: Labor, Technology & Expertise," Social Studies of Science Annual Meeting, New Orleans, LA, September 4-7.
- 2017 Kelly Joyce & Diane Sicotte, "Socio-Technical Systems and Urban Energy Politics in the 21st Century," Society for the Social Studies of Science, Boston, MA, August 30-September 2.
- 2017 Diane Sicotte & Kelly Joyce, "Pipelines and Environmental Justice: A Sociology of Natural Gas Infrastructure Buildout," American Sociological Association Annual Meeting, Montreal, Quebec, August 12-15.
- 2017 Diane Sicotte & Kelly Joyce, "Natural Gas Infrastructure as Site of Risk and Resistance," Eastern Sociological Society, Philadelphia, PA, February 23-26.
- 2015 "Technogenarians: Elders, Innovation and Design," Confronting Innovation and Equality Session, Society for the Social Studies of Science Annual Meeting, Denver, CO, November 11-14.
- 2014 Policy and Research Workshop: A Model for Bringing Research into the Policy Process, American Sociological Association Annual Meeting, San Francisco, CA, August 15-19.
- 2012 "The Ethics of Algorithms," Society for the Social Studies of Science Annual Meeting, Copenhagen, Denmark, October 17-20.
- 2012 "Theorizing the Role of Patient Foundations in Scientific Practice in the United States," The Neoliberal State, Science and Technology Workshop, Madison, WI, June 1-2, 2012.
- 2011 "Theorizing Science in Federal Agencies: An Analysis of Methylmercury Fish Advisories in the United States," The Political Sociology of Science and Technology Conference, RPI, Troy, NY, April 29-May 1.
- 2011 "Gender, Aging, and Autoimmune Illnesses," Gender & Aging: Ageism, Health, and Carework session, Gerontological Society of America 64th Annual Meeting, Boston, MA, November 18-22.

- 2010 "A Sociology of Medical Knowledge: Chinese Medicine and Autoimmunity," American Sociological Association Annual Meeting, Atlanta, GA, August 14-18.
- 2009 "Classifying Bodies, Classifying Illness: Tracing the Creation of 'Autoimmune Disease.'" Society for the Social Studies of Science Annual Meeting, Crystal City, VA, October 28-31.
- 2009 "The Rise of Autoimmunity (Or, the Horror Autotoxicus)," 3rd Annual Southern History of Science and Technology Conference, Richmond, VA, April 3-4.
- 2008 "Studying Aging through a Science and Technology Lens," presented with John Williamson and Laura Mamo, American Sociological Association Annual Meeting.
- 2007 "Creating Chagas Disease in the United States," Society for Social Studies of Science Annual Meeting.
- 2006 "Theorizing the Fungal Body: Gender, Sexuality, and Candida Overgrowth," presented with Shashwat Pandhi, Society for Social Studies of Science Annual Meeting.
- 2005 "Cultures of Medicine: Perceptions of Magnetic Resonance Imaging Technology in Japan and the United States," American Sociological Association Annual Meeting.
- 2005 "Graying the Cyborg: Aging Citizens and New Directions in STS Research" presented with Laura Mamo, STS (R)Evolution conference, Virginia Tech, March.
- 2003 "Legitimacy in Contemporary Medicine: The Not-So Difficult Integration of Controversial Technologies," American Sociological Association Annual Meeting.
- 2002 "The Politics of Safety: Magnetic Resonance Imaging and the Social Construction of Risk," American Sociological Association Annual Meeting.
- 2001 "Appealing Images: Cultural Perceptions, Profits, and MRI Exams," Society for Social Studies of Science Annual Meeting.
- 2001 "Seeing is Believing?: MRI Images in Context," American Sociological Association Annual Meeting.
- 2000 "The Emergence of MRI: Magnetic Fields, Radio Waves, and the Construction of Knowledge," Society for Social Studies of Science Annual Meeting.
- 1996 "She's the One Called Sailor Moon: A Discussion of Gender and Nation in Japanese Animation," American Sociological Association Annual Meeting.
- 1994 "Stinking Simulations: The Displacement of Smell in the Virtual Body," Eastern Sociological Society Annual Meeting.

Session Organizer or Discussant

- 2021 Co-organizer, Paper Session: Regulating Medical Devices (Or Not): Standards, Evidence, and the Political Economy of Medical Device Innovation, Society for the Social Studies of Science Annual Meeting, October 6-9.
- 2020 Organizer, Invited Paper Session: Artificial Intelligence, Machine Learning, and Inequalities, American Sociological Association Annual Meeting, San Francisco, CA, August 8-11.

- 2018 Co-organizer (with David Hess, Vanderbilt University), Paper Session: Energy Politics, Technology and Just Transitions, American Sociological Association Annual Meeting, Philadelphia, PA, August 11-14.
- 2016 Co-organizer (with Celeste Campos-Castillo, University of Wisconsin-Milwaukee), Paper Session-Technology, Health and Medicine, American Sociological Association Annual Meeting, Seattle, WA, August 20-23.
- 2014 Discussant, Section on Science, Knowledge and Technology Invited Session: Science & Morality, American Sociological Association Annual Meeting, San Francisco, CA, August 15-19.
- 2013 Discussant, Paper Session: Sociology of Science, American Sociological Association Annual Meeting, NYC, NY, August 9-12.
- 2012 Organizer, Paper Session: Sociology of Science, American Sociological Association Annual Meeting, Denver, CO, August 16-20.
- 2011 Discussant, "Mapping Biomedicalization: Health, Identities, and Power in the Contemporary United States," American Studies Association Annual Meeting, Baltimore, MD, October 20-23.
- 2011 Chair, "Reporting Back on Break Out Sessions," OECD-NSF Workshop: Building a Smarter Health and Wellness Future, Arlington, VA, February 15-6.
- 2009 Organizer, Sociology of Science Regular Session, American Sociological Association Annual Meeting, San Francisco, CA, August 8-11.

MEDIA COVERAGE/PUBLIC INTEREST PRESS

- Drexel News, "The Future of Artificial Intelligence Requires the Guidance of Sociology," April 13, 2021.
- Drexel News, 'But You Don't Look Sick?' How Broad Categories Like Autoimmune Impact Patient Experience," March 23, 2020.
- Mary Bates, "Robotic Pets: A Senior's Best Friend?," IEEE Pulse Magazine, July/August 2019.
<https://www.embs.org/pulse/articles/robotic-pets-a-seniors-best-friend/>
- Drexel News, "NSF-Backed Study Investigates the Ethics of Algorithms," January 8, 2018.
- EXEL Magazine, "Ethics of Algorithms: Two Drexel Researchers are Examining How Computer Scientists' Personal Values and Cultural Influences Shape the Content of Algorithms," 2014.
- Tor.com (Science fiction, fantasy, the universe, and related subjects), "Letters from Abroad: An Interview with Professor Kelly Joyce," November 4, 2009.
- Boston Globe, "Of Course I Love You, and I Have the Brain Scan To Prove It," August 17, 2008.
- The World's Fair (a science blog), "Medical Knowledge, Healthcare Policy, and Those Huge, Loud Machines with Author Kelly Joyce," April 1, 2008.
- William and Mary Alumni Magazine, "Innovative Educators: The 2008 Alumni Fellowship Award Recipients Inspire Students through Creative Scholarship," Fall 2008.

COURSES TAUGHT

- HNRS 302 Pipelines, Refineries & Pennsylvania Politics
- SCTS 207 Medicine & Society
- SCTS 501 Introduction to Science, Technology & Society
- SCTS 502 Research Methods
- SCTS 620 Medicine, Science & Technology
- SCTS 590: Experiences of Illness
- SOC 101: Introduction to Sociology

SOCL494W: Senior Capstone Seminar
SOCL428: Technology, Science & Power
SOCL362: Medical Sociology
SOCL250: Principles of Sociology
SOCL351: Sociological Theory
Freshmen Seminar 45: The Politics and History of the Internet
Social Studies 10: Introduction to Social Theory

Dissertations

Committee Member, Michael Dickard, "Remember When?: How Emerging Adults Reflect On, Share, and Make Sense of Photos on Social Media," Drexel University, Information Studies, 2019.
Committee Member, Sabrina Weiss, "Disruptive Enactments: Five Dimensions of Change in Sociotechnical Ecologies," RPI, Science & Technology Studies, 2016.
Committee Member, Ryan McDonald, "Reengineering Global Higher Education: American Polytechnics, Transnationalization, and Cultural Configuration," College of William and Mary, American Studies, 2012.
Committee Member, Kathleen Scott, "Recipe for Citizenship: Professionalization and Power in World War I Dietetics," College of William and Mary, American Studies, 2009.

Master's Theses

Member, Ann Campbell, "The Position of Microbiology between Organismal Biology and the Applied Sciences; The American Type Culture Collection: 1911-1984," STS, 2018-19.
Member, Paul Callomon, "The Nature of Names: Japanese Vernacular Nomenclature in Natural Science," STS, 2016-17.
Member, Bushra Alfaraj, "Understanding How Cultural Stereotypes in Video Games Affect the Gameplay Experience of Arab Gamers," Digital Media, 2015-16.
Chair, Mel Jeske, "Beyond BMI: Conceptualizing Health in the 'Obesity Epidemic,'" STS, 2014-15.
Member, Bill Drust, "Embodied Care, Spatiality and the Ethics of Robotic Surgery," STS, 2014-15.
Member, Ami Diallo, "Evaluating the Assessment of the UNISDR Disaster Risk Reduction Framework: Past, Present, and Future," STS, 2014-15.

Honors Theses

Committee Member, Jana Chavers, "Special Education Policies in Haiti and the United States," 2004-5.
Committee Member, Sheila Leonard, "Old Lesbians: Inhabiting Aging Bodies," 2004-5.
Committee Member, Allison Markowsky, "Analysis of Gene Regulation Mediated by the Two-Component Signal Transduction System *HP1364-HP1365* in *Helicobacter pylori*," 2003-4.
Committee Member, Sara Covington, "Gender and Aging: A Qualitative Investigation," 2002-3.
Chair, Jessica Blaemire, "But, What Will People Say? The Effects of Societal Stigma on the Decision to Seek Treatment & Coping Abilities of Individuals with Bipolar Disorder," 2002-3.
Committee Member, Kimberly Dendramis, "Organomanganese Complexes with Caged Phosphite Ligands," 2002-3.

PROFESSIONAL SERVICE

Department Service

Drexel

Liaison, Strategic Plan (at all levels-department, college and university), Sociology Department, 2020-21.
Chair, Strategic Planning Committee, Sociology Department, 2020-21.
Member, Promotion Committee, Sociology Department, 2020-21.
Member, Sociology Research Committee, 2015-2021.
Member, Sociology Department Hiring Committee, one tenure track faculty position, 2016-17.
Chair, Science, Technology & Society Hiring Committee, one tenure track faculty position, 2016-17.
Member, Sociology Department Hiring Committee, two tenure track faculty positions, 2015-16.
Member, Sociology Department Hiring Committee, one teaching faculty position, 2015-16.

Member, Sociology Head Hiring Committee, 2014-15.
Chair, Science, Technology & Society Hiring Committee, one tenure track faculty position, 2013-14.
Member, Science, Technology & Society Hiring Committee, two tenure track faculty positions, 2012-13.

William and Mary

Member, Honor's Proposal Evaluation Committee, 2004, 2008.
Member, Personnel Committee, 2006-8.
Lecture Coordinator, 2006-8.
Member, Ad Hoc 2-2 Teaching Load Committee, 2007.
Member, R. Wayne Kernodle Student Award Committee, 2004.
Member, Course Evaluation Re-Evaluation Committee, 2004.
Member, Ad Hoc Committee on Department Goals, 2003.
Member, Grade Review Committee, 2003.
Co-Editor, Sociology Department Newsletter, 2002-3.
Member, Curriculum Review Committee, 2002.

University Service

Drexel

Member, Drexel's School of Public Health Tenure & Promotion Committee, Sept-Nov 2020.
Reviewer, CNHP, Promotion Case, January 2021.
Career Consultant, Executive Leadership in Academic Technology, Engineering and Science (ELATES), Drexel University, August 11, 2021.
Presenter, CoAS Open House, Sociology Department, November 14, 2020.
Member, Arts, Social Sciences, and Humanities (ASH) Committee, 2017-2019.
Member, Research Strategic Task Force, chaired by President Fry, 2014-2019.
Member, Tenure and Promotion Committee, Westphal, 2017.
Member, Mid-tenure Review Committee, Food & Hospitality Management, 2016.
Co-Chair, Cross-Appointment Guidelines Working Group, 2015-16.
Member, Office of Undergraduate Research Advisory Committee, 2013-15.
Member, Health Sciences Working Group, March 2014-15.
Member, Search Committee, Professional Grants Staff (two positions), 2014.
Co-Chair, Social Sciences Committee, 2013-14.
Member, Review Panel, ExCITe Seed Grant Fund, July 2013.
Organizer, Life Online: The Ethics and Methods of Conducting Research in a Digital Age workshop, March 14, 2013.
Member, Retention and Promotion Committee, College of Arts and Sciences, 2013.
Member, Computing Task Force, 2013.
Member, Review Panel, Westphal College Creativity Fund, 2013-16.

William and Mary

Organizer, Health & Society: Working Across Disciplinary Boundaries workshop, July 23, 2012.
Chair, Committee on Degrees, 2011-12.
Member, Committee on Academic Status, 2011-12
Member, First Year Experience Task Force, 2011-12.
Member, Academic Calendar Committee, 2011-12.
Faculty Instructor, ENSP250: Campus Sustainability (one credit course), 2008.
Member, Public Policy Lecture Committee, 2007-8.
Freshmen Advisor, 2007-2008.
Member, Women's Studies Carol Woody Internship Prize Committee, 2007.
Chair, Dean's Prize for Student Scholarship on Women Committee, 2007.
Member, American Studies Executive Committee, 2004-7.
Member, Organizing Committee, Women, Gender, and Television Conference, 2003-4.

Faculty Participant, AMST350: Asian-American Studies Through Film (one credit course), 2002.

Professional Service

Co-organizer, A Sociology of Artificial Intelligence, Drexel University, NSF Supplement #2015845, \$19,422.

Participant (Invited), The Future of Aging in Smart Environments Scenario Workshop, ASU, Tempe, AZ, January 9-10, 2020.

Participant (Invited), Emerging Technologies, Racial Equity, and the Future of Work Workshop, NSF Award #1744356, UMASS, Amherst, MA, April 5-6, 2018.

Co-organizer, "Bodies That Matter: 2018 Boswell Initiative Workshop," with Steve Otto (WM) and John Donohue (WM), the College of William and Mary, Williamsburg, VA, March 15, 2018.

Member, Faculty Advisory Committee, STGlobal Consortium, September 2014- June 2018.

Co-organizer, Philadelphia Energy Futures Summit, Drexel University, November 15-16, 2016.

Member, Local Organizing Committee, Spinoffs of Mobility: Technology, Risk & Innovation, 12th International Conference on the History of Transport, Traffic and Mobility, Drexel University, September 18-21, 2014.

Co-organizer, Conceptualizing Environmental Exposure: From Data to Decisions workshop, April 10-11, 2014.

Member, Advisory Panel to the Fund for the Advancement of the Discipline, 2012-15.

Member, Eliot Freidson Outstanding Publication Award Committee, American Sociological Association, Medical Sociology Section, May 2012-August 2013.

External Reviewer, Committee Member, Social Sciences and Policy Studies Department, WPI, March 25-6, 2013.

Participant (Invited), Public Policy Issues in Aging, Syracuse University, June 3-7, 2012.

External Evaluator, Committee Member, Bates College, Sociology Department, January 2011.

Member, Planning Committee, National Institute of Environmental Health Sciences Autoimmune Expert Panel Workshop, 2010.

Participant (Invited), "Centers, Universities, and the Scientific Innovation Ecology: A Workshop," National Science Foundation, Arlington, VA, March 26-7, 2009.

Organizer, Mentor Program, Sociology, Knowledge, and Technology section, American Sociological Association, 2008-2009.

Member, Local Arrangements Committee, Southern Sociological Society Annual Meeting, 2007-8.

Chair, Hacker-Mullins Graduate Student Paper Award Committee, Science, Knowledge, and Technology Section, American Sociological Association, 2007.

Member, Social Action Committee, Sociologists for Women in Society, 2003-6.

Member, Social Action Undergraduate Award Committee, Sociologists for Women in Society, 2004.

Member, Hacker-Mullins Graduate Student Paper Award Committee, Science, Knowledge, and Technology Section, American Sociological Association, 2004.

Session Organizer, Reproductive Politics Session, Sociologists for Women in Society's Annual Meeting, 2003.

Reviewer for *Science as Culture*, *Science, Technology, and Human Values*, *Social Studies of Science*, *Social Science & Medicine*, *Sociology of Health and Illness*, *Biosocieties*, *Research in Social Problems and Public Policy*, Cambridge University Press, MIT Press, National Science Foundation, New York University Press, Oxford University Press, Palgrave MacMillan, Polity Press, Roxbury Publishing Company.

Advisory Panel Member, National Science Foundation, 2008-9.

Professional Society Offices and Editorships

Chair (elected position), Science, Knowledge and Technology Section, American Sociological Association, September 1, 2022-August 31, 2023.

Member, Committee on Scientific Freedom and Responsibility, American Association for the Advancement of Science (AAAS), 2020-current.

Member, Editorial Advisory Board (EAB), *Advances in Medical Sociology (AMS)*, 2015-current.

Associate Editor for Social and Behavioral Sciences, Online Ethics Center (OEC), National Academy of Engineering, January 2019-September 2021.

Member, Editorial Board, *Engaging Science, Technology, and Society*, 2015-December 31, 2020.

American Sociological Association Council: Member at Large (elected position), American Sociological Association, 2012-15.

Associate Editor, *Encyclopedia of Death and the Human Experience*, Sage Publications, 2006-9. *Recognized by *Choice* as a 2010 Outstanding Academic Title.

Secretary/Treasurer (elected position), Science, Knowledge, and Technology Section, American Sociological Association, 2005-8.

Member, Editorial Collective, *Critical Sociology*, 2001-2.

PROFESSIONAL AFFILIATIONS

American Sociological Association
Society for Social Studies of Science