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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, History and Politics Department, 2012-present.
Director, Drexel University, 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

Associate Dean for Humanities and Social Science Research, Drexel University, 2013-2014.

Dean of Undergraduate Studies, College of William and Mary, 2011-2012.

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."

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

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.

RESEARCH

Books

- 2010 Kelly Joyce and 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.

Refereed Articles

- 2011 Fahmida Chowdhury and Kelly Joyce, "Pushing the Boundaries of Transdisciplinary Science Through Cyber-Enabled Research," *American Journal of Preventative Medicine*, 40(5S2): S103-S107.
- 2010 Kelly Joyce and Meika Loe. "A Sociological Approach to Ageing, Technology and Health," *Sociology of Health and Illness* 32(2): 171-180.
- 2007 Kelly Joyce, John Williamson, and 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 and Dayk Jang, 257-304. Seoul: Badabooks.

Book Chapters

- 2011 Kelly Joyce, "On the Assembly Line: Neuroimaging Production in Clinical Practice," In *Sociological Reflections on the Neurosciences*, edited by Martyn Pickersgill and 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 and 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, and Janet Shim, 197-217. Durham, NC: Duke University Press.
- 2006 Kelly Joyce and 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 and Kathleen Slevin, 99-121. New York: Routledge. *Reprinted in *Extravagant Bodies: Extravagant Age Reader*, edited by Kontejener, 2013, Anagram Books.

Encyclopedia Entries

- 2015 Kelly Joyce, Meika Loe, and Lauren Diamond-Brown. "Science, Technology and Ageing" in the *Handbook of Cultural Gerontology*, edited by Julia Twigg and Wendy Martin. 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 and 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.

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.

Invited Presentations

- 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

- 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, 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

- 2013 Discussant, Sociology of Science Regular Session, American Sociological Association Annual Meeting, NYC, NY, August 9-12.
- 2012 Organizer, Sociology of Science Regular Session, 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.

FELLOWSHIPS AND GRANTS

- Kelly Joyce, PI, Kris Unsworth, co-PI, "The Ethics of Algorithms," EESE program, NSF, \$300,000, Sept 2013-August 2016.
- Sharpe Service-Learning Faculty Fellow, 2007-8, College of William and Mary, \$1500.
- Sharpe Community Partnerships Program Research Grant, 2006-7, College of William and Mary, "Researching Chagas Disease in Virginia," \$2000.
- Faculty Summer Research Grant, 2007, College of William and Mary, "Theorizing the Fungal Body: Candida Overgrowth, Gender, and Biomedical Knowledge," \$5000.
- Faculty Summer Research Grant, 2005, College of William and Mary, "The Rise of Radiology: From X-Ray Technology to an Imaging Revolution," \$5000.
- Faculty Summer Research Grant, 2003, College of William and Mary, "Imagining Technology: Perceptions of Magnetic Resonance Imaging in Japan," \$4000.
- University Dissertation Fellowship, 2000-1, Boston College, \$15,000.

MEDIA COVERAGE/PUBLIC INTEREST PRESS

- 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

- HIST590: Experiences of Illness
- HIST501: Introduction to Science, Technology and Society
- SOCL494W: Senior Capstone Seminar
- SOCL428: Technology, Science, and 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, Ryan McDonald, Ph.D. Dissertation "Reengineering Global Higher Education: American Polytechnics, Transnationalization, and Cultural Configuration," 2012.

Committee member, Kathleen Scott, Ph.D. Dissertation "Recipe for Citizenship: Professionalization and Power in World War I Dietetics," 2009.

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

Chair, History & Politics/Science, Technology & Society Hiring Committee, one tenure track faculty position, 2013-14.

Member, History & Politics/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, Office of Undergraduate Research Advisory Committee, 2013-current.

Member, Health Sciences Working Group, March 2014-current.

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 & 2014.

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

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-current.
 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.
 Invited Participant, 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.
 Invited Participant, "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, New York University Press, Oxford University Press, Palgrave MacMillan, Polity Press, Roxbury Publishing Company.
 Ad Hoc Reviewer, National Science Foundation, Science, Technology and Society Program.
 Advisory Panel Member, National Science Foundation, 2008-9.

Professional Society Offices and Editorships

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