

DATE: September 29, 2021

NAME:

Tom J. Waidzunas
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Temple University
Department of Sociology
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EDUCATION:

University of Texas at Austin

BS Electrical Engineering with Honors

Attended 1989-94, Degree 1994

BA Sociology with High Honors

Attended 1997-99, Degree 1999

University of California, San Diego

M.A. Sociology (Science Studies)

Attended 2003-2006, Degree 2006

Ph.D. Sociology (Science Studies)

Attended 2003-2010, Degree 2010

DOCTORAL DISSERTATION:

“Drawing the Straight Line: Social Movements and Hierarchies of Evidence in
Sexual Reorientation Therapy Debates”

Defended: August 2010, UC San Diego

Chair: Mary Blair-Loy

Co-Chair: Steven Epstein

POSITIONS HELD:

Temple University

Associate Professor, Department of Sociology 2018-present

Assistant Professor, Department of Sociology, 2012-2018

Faculty Affiliate, Gender, Sexuality and Women’s Studies Program, 2012-
present

Northwestern University

Postdoctoral Fellow, Science in Human Culture Program, 2010-2012

Visiting Lecturer, Department of Sociology, 2010-2012

University of California, San Diego

Associate In, Department of Sociology, 2008-2010

Associate In, Critical Gender Studies Program, 2008

Teaching Assistant, Department of Sociology, 2006-2010
Senior Teaching Assistant, Department of Sociology, 2007-2008
Teaching Assistant, Dimensions of Culture, 2004-2006, 2009-2010
Teaching Assistant, Critical Gender Studies Program, 2006
Research Assistant, Dr. Mary Blair-Loy, 2005-2007
Research Assistant, Dr. Steven Epstein, Dr. Héctor Carillo, 2004-2005

PUBLICATIONS:

BOOK:

The Straight Line: How the Fringe Science of Ex-Gay Therapy Reoriented Sexuality. Minneapolis, MN: University of Minnesota Press. November 2015.

ARTICLES IN PEER-REVIEWED JOURNALS:

“Systemic Inequalities for LGBTQ Persons in STEM.” co-authored by Erin Cech and Tom Waidzunus. *Science Advances* 7 (3): eabe0933, 15 Jan 2021. DOI: 10.1126/sciadv.abe0933.

“‘For Men Arousal is Orientation’: Bodily Truthing, Technosexual Scripts, and the Materialization of Sexualities through the Phallometric Test.” co-authored by Tom Waidzunus and Steven Epstein. *Social Studies of Science* 45, 2 (April 2015): 187-213.

“Intellectual Opportunity Structures and Science-Targeted Activism: Influence of the Ex-Gay Movement on the Science of Sexual Orientation.” *Mobilization: An International Journal*. 18, no. 1 (March 2013): 1-18.

“Young, Gay, and Suicidal: Dynamic Nominalism and the Process of Defining a Social Problem with Statistics.” *Science, Technology and Human Values*. 37, no. 2 (March 2012): 199-225.

“Navigating the Heteronormativity of Engineering: The Experiences of Lesbian, Gay, and Bisexual Students.” co-authored by Erin Cech and Tom Waidzunus, *Engineering Studies*. 3, no. 1 (April 2011): 1-24.
Discussed in “Closeted Discoverers: Lesbian, Gay, Bisexual, and Transgender Scientists,” *Science Careers*, October 1, 2010.

BOOK CHAPTER:

“Standards as ‘Weapons of Exclusion’: Ex-Gays and the Materialization of the Male Body.” pp. 33-48 in *Routledge Handbook of Science, Technology, and Society*. Edited by Daniel Lee Kleinman and Kelly Moore. (New York, NY: Routledge, 2014).

OTHER WORKS:

“Measuring Desire: The Science of Phallometric Testing” *Cabinet Magazine*. 34 (Summer 2009): 80-81.

PEER-REVIEWED CONFERENCE PROCEEDINGS:

Cech, Erin A., Tom Waidzunas, and Stephanie Farrell. 2017. “The Inequality of LGBTQ Students in U.S. Engineering Education: Report on a Study of Eight Engineering Programs.” *Proceedings of the 2017 American Society for Engineering Education (ASEE) National Conference*. June 2017.

Cech, Erin A., Tom Waidzunas, and Stephanie Farrell. 2016. “Engineering Deans’ Support for LGBTQ Inclusion.” *Proceedings of the 2016 American Society for Engineering Education (ASEE) National Conference*. June 2016

PAPERS PRESENTED AT PROFESSIONAL MEETINGS:

“Theorizing Active Interviews and Skills: Preparing for a Large Interview Study on LGBT in STEM” American Sociological Association Annual Conference. Sexualities Roundtable. New York, NY. August 2019.

“‘Technically I’m a Contractor’: Marginalized Identities and Complex Career Paths in STEM” (with Ethan Levine, Temple University, and Erin Cech, University of Michigan) Presented at the ASA Sexualities Section Preconference, Drexel University, Philadelphia, PA, 9 August 2018.

“LGBTQ Safe Zones in Engineering: Overcoming Challenges across Higher Education Institutions” Presented at the Annual Meeting of the Eastern Sociological Society. Baltimore, MD, 24 February 2018.

Discussant comments, presented at a panel on “LGBTQ+ Identities in STEM Fields: Research and Implications,” at the annual meeting of the American Association for the Advancement of Science (AAAS). Austin, TX. 18 February 2018.

- “The Inequality of LGBTQ Students in U.S. Engineering Education: A Report on a Study of Eight Engineering Programs” (with Erin Cech, University of Michigan) Presented at the Annual Meeting of the Association of American Colleges and Universities (AAC&U). Washington, DC, 26 January 2018.
- “Becoming an Engineering LGBT Safe Zone Trainer: From Observer to Participatory Action Researcher in Ethnography.” Presented at the Annual Meeting of the American Sociological Association. Refereed Roundtable Session for the Section of Sociology of Sexualities. Montréal, QC, 15 August 2017.
- “Intellectual Opportunity Structures and Constituency-Based Activism: The Case of LGBT Workplace Organizing at NASA” Presented at the Annual Meeting of the American Sociological Association. Seattle, WA, 22 August 2016.
- “Out and equal@NASA: The co-construction of STEM and LGBT identities through an intersectional lens” (with Erin Cech, Rice University) Presented at the Annual Meeting of the Society for the Social Studies of Science. Denver, CO, 14 November 2015.
- “LGBTQ@NASA: Workplace Climates, Employee Resource Groups and Professional Credibility at the Space Agency” (with Erin Cech, Rice University). Presented at the Annual Meeting of the American Sociological Association. Chicago, IL, 24 August 2015.
- “Beyond Incommensurability in Sexual Rights Conflict: Scientific, Religious, and Moral Truths Woven across the United States and Uganda.” Presented at the Annual Meeting of the American Sociological Association. San Francisco, CA, 19 August 2014.
- “From Spitzer to Spitzer: Demedicalization of Homosexuality, Ex-Gay Research, and Technologies of the Sexual Self.” Presented at the Annual Meeting of the Society for Social Studies of Science. San Diego, CA, 11 October 2013.
- “‘Homonormativity’: Uses and limitations for sociological theory” (with Clare Forstie, Northwestern University). Presented at the Annual Meeting of the Eastern Sociological Society. Boston, MA, 24 March 2013.
- “Contesting ‘Western Influence’ in Uganda: Opposing Transnational Movements Framing the Anti-Homosexuality Bill.” Presented at the Annual Meeting of the American Sociological Association, Denver, CO, 18 August 2012.
- “Autonomy and Evasion: Ugandan Mental Health Experts and the Anti-Homosexuality Bill.” Presented at the Facts, Artifacts, and the Politics of Consensus Conference.

Organized by the Science in Human Culture Program, Northwestern University. 5 May 2012.

“Non-Malleable Bodies: Undermining ‘Ex-Gay’ Self-Reports with Hierarchies of Evidence.” Presented at the Annual Meeting of the Society for the Social Studies of Science, Cleveland, OH, 3 November 2011.

“Drawing the Straight Line: Hierarchies of Evidence across Social Worlds in Sexual Reorientation Therapy Debates.” Presented at the Annual Meeting of Society for the Social Studies of Science, Washington, DC, 31 October 2009.

“Drawing the Straight Line: Hierarchies of Evidence across Social Worlds in Sexual Reorientation Therapy Debates.” Presented at the Annual Meeting of American Sociological Association, San Francisco, CA, 9 August 2009.

“Forging a Partnership across Religious and Secular Worlds: Epistemic Practices of Researchers within the Ex-Gay Movement” Presented at the Annual Meeting of Pacific Sociological Association, San Diego, CA, 10 April 2009.

“‘Engineers Who Happen to be Gay’: Lesbian, Gay and Bisexual Students’ Experiences in Engineering.” (with Erin Cech). Presented at the American Society for Engineering Education (ASEE) National Conference, Austin, TX, 18 June 2009.

“Sexualities Built with Brain Scans: Locating the machine in brain tomography research on sexual arousal.” Presented at the Annual Meeting of the Society for the Social Studies of Science. Montreal, QC, 11 October 2007.

“Erectile Truths: The Co-Construction of Male Sexualities and the Phallometric Test.” Presented at the Annual Meeting of the University Consortium of Sexuality Research and Training, Kinsey Institute, Indiana University, Bloomington, IN, 11 April 2007.

“Somewhere Under the Rainbow: Assessing the Pride Flag as Marker of ‘Gay’ Space and Global Citizenship.” Presented at the Annual Meeting of Pacific Sociological Association, Oakland, CA, 31 March 2007.

“Beyond the Fishbowl: Condom Outreach in the ‘Post-Bureaucratic’ Age.” Presented at the Annual UCSD Sociology Graduate Student Conference, 7 April 2006.

“Practicing Phallometry, Making Sexualities: The Prolific Career of the Penile Plethysmograph.” (with Steven Epstein). Presented at the Annual Meeting of the Society for the Social Studies of Science, Pasadena, CA, 21 October 2005.

“High-Tech Masculinities: Informal Interaction and Homosocial Reproduction in an Engineering Firm.” Presented at the Annual Meeting of the American Sociological Association, Philadelphia, PA, 13 August 2005.

INVITED LECTURES:

“LGBTQ@STEM: First Results from the Mixed Method STEM Inclusion Study” (with Erin Cech). Presented as National Science Foundation LGBT Pride Month Keynote Speakers, National Science Foundation. Alexandria, VA, 20 June 2018.

“STEM Inclusion Study Update: Preliminary findings from eight professional societies and pilot interviews” (with Erin Cech). Presented at Temple University, Science Studies Faculty Network. Philadelphia, PA, 18 March 2018.

“LGBTQ+ In Academia and The Workplace: Your Rights and The Law” Presented at Annual Meeting of the American Association for the Advancement of Science (AAAS). Austin, TX, 18 February 2018.

“Agential Realist Sociology: The Case of LGBTQ Inclusion in STEM” Presented at Temple University, Science Studies Faculty Network. Philadelphia, PA, 2 October 2017.

LGBTQ@NASA: Workplace Inclusion Activism and Intellectual Opportunity Structures.” Presented at University of California, San Diego, Sociology Department Colloquium, Aaron Cicourel Lecture, La Jolla, CA, 25 May 2017.

“LGBT in STEM, from pilot to launch: Implications of Research on Inclusion across Two NASA Centers for a Nationwide NSF Study.” Presented at the annual conference of oSTEM (out in Science, Technology, Engineering, and Mathematics), Denver CO, 13 November 2016.

“Ex-Gay Therapies on the Scientific Fringe: Contrasting Intellectual Opportunities across the United States and Uganda.” Presented at the Colloquium Series, Temple Department of Sociology, Philadelphia PA, 19 February 2016.

“Ex-Gay Therapies on the Scientific Fringe: Contrasting Intellectual Opportunities across the United States and Uganda.” Presented at the Department of Sociology Ethnography Lab, University of Texas at Austin, Austin TX, 1 February 2016.

“LGBT Professionals at NASA: Results from a Multi-Center Survey.” co-authored by Erin Cech and William Rothwell. Presented at the LGBT Advisory Board Meeting at NASA Goddard Space Flight Center. Greenbelt, MD, 12 February 2015.

- “Sexual Truth Machine: The Legacy of Phallometric Testing in Struggles over ‘Ex-Gay Therapies’” Presented at the History and Sociology of Science Workshop, University of Pennsylvania Department of History and Sociology of Science, Philadelphia PA, 23 November 2015.
- “Global Flows and Revisions of Science for State Policy: The Case of the Ugandan Anti-Homosexuality Act.” Presented at Introduction to Science and Technology Studies Course and Open Lecture Series, Drexel University, Philadelphia PA 18 November 2014.
- “Recognizing Engineering as a Social World: Implications for Diversity.” Presented at Diversity in STEM Workshop, Purdue University Global Engineering Program, West Lafayette, IN, 17 April, 2014.
- “LGBT Science & Engineering Professionals” (with Erin Cech, Rice University). Presented at the National Science Foundation LGBT Affinity Group Brownbag, Arlington, VA, 4 December, 2012.
- “Second Thoughts on the Gay Teen Suicide Narrative: Complexities of Defining a Social Problem with Statistics.” Presented at the Adler School of Professional Psychology, Chicago, IL, 22 February 2012.
- “Gays and Ex-Gays of Uganda: Transnational Struggles over Knowledge of Sexuality and the Anti-Homosexuality Bill.” Presented at the Faculty & Fellows Colloquium, Buffet Center for International and Comparative Studies, Northwestern University, Evanston IL, 18 November 2011.
- “Measuring Arousal, Making Sexualities: Diverse Trajectories of Phallometric Testing over Half a Century” (with Steven Epstein). Presented at the Epistemologies of Desire Workshop, organized by the Sexualities Project at Northwestern (SPAN), Northwestern University, Evanston IL, 29 April 2011.
- “No Evidence of Efficacy, Potential for Harm: Relegating Sexual Reorientation Therapies to the Scientific Fringe in the United States, 2000-2009,” Presented at the Klopsteg Lecture Series, Science in Human Culture Program, Northwestern University, Evanston IL, 25 October 2010.
- “Drawing the Straight Line: Hierarchies of Evidence across Social Worlds in Sexual Reorientation Therapy Debates.” Presented at the UCSD Gender-Inequalities Group, San Diego CA, 9 April 2009.
- “Drawing the Straight Line: Scientific Knowledge Struggles over Conversion Therapy for Homosexuality.” Presented at the UCSD Science Studies Colloquium, San Diego CA, 13 January 2009.

“Taking Measure of Sexual Reorientation.” Presented at the Dialogues in Sexuality Studies Series. UCSD LGBT Resource Center, San Diego CA, 30 October 2007.

“Homosexuality: Demedicalization and Attempts at Remedicalization.” Lecture for Sociology course on Science, Technology, and Society. UCSD, San Diego CA, 30 January 2008.

“The New Politics of Homophobia.” Lecture for Critical Gender Studies course on Social Movements. UCSD, San Diego CA, 30 November 2006.

“Gay Teens and the Debate over Suicide Risk.” Lecture for Sociology of Gender course. UCSD, San Diego CA, 2 October 2006.

“Risk and Resilience: Scientific Controversies over Gay Teen Suicide.” Lecture for Sociology of Gender course. UCSD, San Diego, CA, 18 April 2006.

“Sciences of Liberation: Gay Teen Suicide, Risk, and Resilience.” Presented at the UCSD Gender Study Group, San Diego CA, 4 April 2006.

“Erectile Truths: Four Decades of Constructing Sexualities with the Phallometric Test.” Presented at the UCSD Science Studies Colloquium, San Diego CA, 27 February 2006.

“Sciences of Liberation: Gay Teen Suicide, Risk, and Resilience.” Presented at the UCSD Science Studies Conference “Making Society/Knowing Society,” San Diego CA, June 2005.

“Hegemonic Masculinity in an Engineering Corporation: Corporate Structure and Informal Interaction as Components of Homosocial Reproduction.” Presented at the UCSD Gender Study Group, San Diego CA, 22 October 2004.

RESEARCH IN PROGRESS:

“Suicide is Only Part of the Story: Telling Wounded Truths about LGBTQ Youth.” Book Chapter submitted to editors Nancy Fischer and Laurel Westbrook for inclusion in *Introducing the New Sexuality Studies* (Routledge/Taylor & Francis)

“LGBTQ@NASA: Work structure and experiences of LGBTQ and allied scientists and engineers at the space agency.” with Erin Cech. Submitted to *Work and Occupations*.

“Authenticities under Managed Diversity: Effects of LGBT Organizing around ‘Outness’ on Sexual and Gender Minority Inclusion at NASA.” with Ethan Levine and Erin Cech. Revise and resubmit at *Sociological Inquiry*.

“Testing Masculinities: Gender Performances among Support Engineers in a High-Tech Firm.” Accepted with minor revisions at *Engineering Studies*.

“Why LGBTQ in STEM?: Professional Mechanisms of Disadvantage for LGBTQ Scientists and Engineers at NASA.” with Erin Cech. In preparation for *Science, Technology, and Human Values*.

GRANTS AND FELLOWSHIPS:

National Science Foundation, “Collaborative Research: A Study of Interactional, Organizational and Professional Mechanisms of Disadvantage in the Underrepresented and Marginalized STEM Workforce,” \$932,628, with Erin Cech, Rice University (Temple award \$420,320), awarded 30 Sept, 2015

National Science Foundation, “EAGER: Promoting LGBTQ Equality in Engineering through Virtual Communities of Practice,” \$299,998, with Stephanie Farrell, Rowan University; Rocio Chavela Guerra, ASEE; Adrienne Minerick, Michigan Tech; Erin Cech, University of Michigan (Temple sub-award \$80,552), awarded 1 July, 2015

HONORS AND AWARDS:

American Society for Engineering Education. Best Diversity Paper 2017. for “The Inequality of LGBTQ Students in U.S. Engineering Education: Report on a Study of Eight Engineering Programs,” coauthored by Erin Cech, Tom Waidzunas, and Stephanie Farrell.

American Sociological Association, Sex and Gender Section. Honorable Mention, Best Graduate Student Paper Award. 2010. for “Navigating the Heteronormativity of Engineering: The Experiences of Lesbian, Gay, and Bisexual Students,” coauthored by Erin Cech and Tom Waidzunas.

American Society for Engineering Education, Professional Interest Council III, Best Paper Award. 2009. for “‘Engineers who Happen to be Gay’: The Experiences of Lesbian, Gay, and Bisexual Students in Engineering,” co-authored by Erin Cech and Tom Waidzunas.

American Sociological Association, Sexualities Section. Martin D. Levine Dissertation Award, Honorable Mention. 2009. for “Drawing the Straight Line: Hierarchies of Evidence in Sexual Reorientation Therapy Debates.”

American Sociological Association, Sexualities Section. Graduate Student Paper Award. 2008. for “Young, Gay, and Suicidal: The Troubled Project of Defining a Social Problem with Statistics.”

National Science Foundation, Dissertation Improvement Grant, awarded August 2008

UCSD Sociology Departmental Writing Fellowship, Fall 2009

UCSD Academic Affairs Summer Graduate Teaching Fellow Program, Summer 2008

UCSD Science Studies Program Research Fellowship, Winter 2008

UCSD Sociology Department Summer Graduate Research Assistantship for Faculty-Student Collaboration 2006. “Erectile Truths: Four Decades of Constructing Sexualities with the Phallographic Test,” with Steven Epstein

UCSD Division of Social Sciences Dean’s Fellowship 2003-2004

UCSD Department of Sociology, TA Excellence Award 2007-08

TEACHING:

COURSES TAUGHT IN LAST FIVE YEARS:

Graduate Courses:

“Gender and the Body” (Temple University, Fall 2016, Fall 2019)

“Sexuality and Gender” (Temple University, Fall 2018, Fall 2020)

“Classical Sociological Theory” (Temple University, Spring 2020, Spring 2022)

“Contemporary Sociological Theory” (Temple University, Spring 2017, Spring 2021)

Undergraduate Courses:

“Science, Technology, and Society” (Spring 2021, Fall 2021)

“Honors: Human Sexuality” (Temple University (General Education), Spring 2017, Spring 2019)

“Human Sexuality” (Temple University (General Education), Fall 2016, Fall 2017, Spring 2018, Spring 2019, Spring 2020)

“Development of Sociological Thought” (Fall 2017, Fall 2018, Fall 2019, Fall 2021)

DOCTORAL COMMITTEE SERVICE:

Bethany Kosmicki, MA, defended proposal May 12, 2021, (chair)

Rebecca Croog, PhD, Geography, 2020

Thomas Berendt, PhD, Religion, 2019

Ethan Levine, PhD, 2018 (chair)

AJ Young, PhD, 2018

Bessie Flatley, PhD, 2015

GRADUATE ADVISEES:

Nicole Cochran
Bethany Kosmicki
Darion McKinley

SERVICE:

SERVICE TO THE PROFESSION:

American Sociological Association, Committee on Status of LGBTQ Persons in Sociology, 2013-2015

- Assessing and developing relationship between this ASA advisory committee and the LGBT caucus at ASA
- Relaying concerns raised by ASA survey on LGBTQ concerns in sociology
- Participation at ASA committee meeting and enacting next steps

Session organizer for panel “Regular Session. Critical Heterosexuality Studies,” Annual Meeting for the American Sociological Association, Montréal, QC. 12 August 2017.

Member of Local Organizing Committee for American Sociological Association Sexualities Section Preconference, held at Drexel University, Philadelphia, PA, 9-10 August 2018.

Session organizer for panel “Regular Session. Emergent Technosocial Entanglements,” Annual Meeting for the American Sociological Association, New York, NY. 12 August 2019.

Peer reviews:

- Book reviews:
Two full manuscripts for University of Minnesota Press
Contemporary Sociology (*Pray the Gay Away*, Barton)
Journal of the History of the Behavioral Sciences, co-authored review with Julia Ericksen, (*Fuckology*, Downing, Morland and Sullivan)
- Papers for journals: *Mobilization: An International Journal*; *Humanity and Society*; *Public Opinion Quarterly*; *The Sociological Quarterly*; *Sexuality Research and Social Policy*; *Sociological Inquiry*; *History of the Human Sciences*; *Culture, Health and Sexuality*; and *Catalyst: Feminism and Technoscience*.
- Grant reviews:
National Science Foundation

SERVICE TO THE UNIVERSITY:

Currently working to bring American Society for Engineering Education (ASEE) LGBTQ Safe Zone Training to Temple, offering STEM specific cultural competency and bystander intervention training on LGBTQ issues to faculty and staff in Temple STEM Departments (College of Science and Technology, and College of Engineering).

Co-founder and Member of the Science, Technology, and Society Network @Temple University (<http://sites.temple.edu/stsnetwork>). Member of the Steering Committee 2016-present

- Organizing colloquium events.
- Developed pilot course “Science, Technology, and Society,” offered Spring 2021.

Member of the Temple University Press Faculty Board of Review, 2018-19.

Member of College of Liberal Arts, Research Awards Committee, Fall 2019-Present.

SERVICE TO THE DEPARTMENT:

Temple Sociology Department Committee Service:

Executive Committee (2013-2014, 2021-2022)

- Deliberations on recommendations for merit, dept grant applications
- Advising chair on necessary matters

Programming Committee (2021-2021)

- Planning and coordinating department events, colloquia, workshops

Hiring Committee (2018-19)

- Read through large pool of applications and eliminate many to bring their number down for all in the department to review

Research and Development Committee (2016-present)

- Working together on communication strategy for department
- Strategies for department fundraising
- Co-organized (with Bob Kaufmann Spring Sociology Student Colloquium for both undergraduate and graduate student presenters with discussants).

Communications Committee (Fall 2015)

- Developing strategy for personal webpages and promotion
- Working together on communication strategy for department

Newsletter (2014-2015)

- Maintaining contact with faculty, students, staff
- Putting together and publishing newsletter

Idea/Incubator Committee (2014-2015)

- Developing ideas for fundraising for the department
- Exploring feasibility of fundraising, grant applications

Gender/Sexuality Prelim Committee (2012-present)

- Maintaining and developing gender prelim reading list
 - Developing questions for gender prelim exam, grading exams
- Admissions Committee (2013-2014)
- evaluating applications, committee meetings, discussions
 - selecting students and writing recommendations for Dean's Fellowship

SERVICE TO THE COMMUNITY:

San Diego Gay Men's Health Program (2007-2010)

- HIV prevention outreach and education

PROFESSIONAL MEMBERSHIPS:

American Sociological Association (2005-present)

Eastern Sociological Society (2013-present)

Society for the Social Studies of Science (2005-present)