

Timothy Sacco

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EDUCATION

- Ph.D **Sociology**, University of Massachusetts, Amherst (expected 2020)
Dissertation: “Shaping Future Scientists: Student Labor and Training in the Knowledge Economy”
Committee: Laurel Smith-Doerr (Chair), Melissa Wooten, Jonathan Wynn, Jane Fountain, Daniel Kleinman
- MA **Applied Sociology**, Loyola University Chicago (2012)
Thesis: “Participatory Budgeting in Chicago’s 49th Ward: An Ethnography”
- BA **Sociology and Anthropology**, Plymouth State University (2009)

AREAS OF EXPERTISE

Science and Technology, Organizations, Work, Social Networks, Culture, Inequality

GRANTS AND FELLOWSHIPS

- 2018 National Science Foundation Doctoral Dissertation Research Improvement Grant for “Shaping future scientists: Student labor and training in the knowledge economy” (Laurel Smith-Doerr, PI, **Timothy Sacco** Co-PI). \$17,875. 2018-2019.
- 2016 Professional development funds for international travel to the Conference on Academic Entrepreneurship, Knowledge, and Technology Transfer. Kassel University, Kassel, Germany. Awarded Amount: \$300.00
- 2013 Summer comprehensive exam fellowship. Department of Sociology, University of Massachusetts Awarded Amount: \$2,500.

PUBLICATIONS

Peer-Review

- 2017 Smith-Doerr, Laurel, Shara Alegria, and **Timothy Sacco**. “How Diversity Matters in the US Science and Engineering Workforce: A critical review considering integration in teams, fields, and organizational contexts.” *Engaging Science, Technology, and Society* 3: 139-153.
- 2016 Smith-Doerr, Laurel, **Timothy Sacco**, and Angela Stoutenberg. “Crisis of Confidence: Young Women Doing Gender and Science,” in Branch, Enobong Hannah (ed.). *Pathways, Potholes, and the Persistence of Women in Science: Reconsidering the Pipeline*. Lanham, MD: Lexington Books.
- 2016 Smith-Doerr, Laurel, Jennifer Croissant, Itai Vardi, and **Timothy Sacco**. “Epistemic Cultures of Collaboration: Coherence and Ambiguity in Interdisciplinarity,” in Frickel, Scott, Mathieu Albert, and Barbara Prainsack (eds.). *Investigating Interdisciplinary Research*. Newark NJ: Rutgers University Press.
- 2016 Wooten, Melissa, and **Timothy Sacco**. “Configurations in Inter-Organizational Cooperation: From Dyads to Organizational Fields.” In *Palgrave Handbook on Inter-Organizational Relations*, edited by Rafael Biermann and Joachim Koops. New York: Palgrave Macmillan.

Scholarly Publications

- 2017 Nusslein, Klaus, Om Parkash Dhankher, Baoshan Xing, Laurel Smith-Doerr, **Timothy Sacco**, Frans Maathuis, Ashwani Pareek, P.V. Vara Prasad, Anna-Maria Botha, Christine H. Foyer, Karl Kunert, Christopher Cullis, Marc G. Dumont, Baoliang Chen, and Lingli Lu. “Correspondence: Food Security Needs Social-Science Input.” *Nature* vol. 535: 37.
- 2016 Smith-Doerr, Laurel, and **Timothy Sacco**. Review of *Trouble in the University: How the Education of Health Care Professionals Became Corrupted*, by Mildred A. Schwartz. *Contemporary Sociology* 45(3): 500-501.

Reports

- 2009 Eisenhauer, Brian, Nick Stevenson, **Timothy Sacco**, and Christian Weber. *Every Acres Counts: The Newfound Watershed Master Plan: A Report on the Second Community Survey (NH DES)*. Prepared by the Center for the Environment at Plymouth State University.
- 2009 Amsden, Benjamin, Zach Brohinsky, Brian Eisenhauer, Thad Guldbrandsen, M. Okrant, A. Richmond, Meghan Rodier, Diana Ross, **Timothy Sacco**, Nicholas Stevenson, and Christian Weber. 2009. *White Mountain National Forest Alternative Transportation Report: A Review of Literature, Resources, and Survey Results. (AMC, WMNF)* Prepared by the Center for Rural Partnerships at Plymouth State University.

Manuscripts in Preparation

Sacco, Timothy. “The good, the bad, and the ugly: Dimensions of success and failure in research collaboration. (R&R at *Sociological Forum*)

Sacco, Timothy. “How physical science internships shape students’ commercial imaginaries: An ethnographic investigation.” (In preparation for submission at *Science, Technology, and Human Values*)

Martinez, Elisa, Laurel Smith-Doerr, and **Timothy Sacco.** “Measured Success: Evaluators as Insiders, Outsiders, and Knowledge Producers.” (Under review at *Research in the Sociology of Work*)

PRESENTATIONS

Invited Presentations

- 2016 Smith-Doerr, Laurel, Sharla Alegria, and **Timothy Sacco.** [co-presentation by Smith-Doerr, Laurel, Sharla Alegria, and **Timothy Sacco**] “Why and How Diversity Matters in the U.S. Science and Engineering Workforce.” Invited presentation to **the White House Office of Science and Technology Policy**, Washington D.C.
- 2016 **Sacco, Timothy.** “Shaping Future Scientists: STEM Training and the Commercial Landscape of Science.” Invited presentation to the **Conference on Academic Entrepreneurship, Knowledge, and Technology Transfer**. Kassel University, Kassel, Germany.

Conference Presentations

- 2019 **Sacco, Timothy.** “How physical science internships shape students’ commercial imaginaries: An ethnographic investigation.” **Eastern Sociological Society**, Boston MA.
- 2018 **Sacco, Timothy.** “Ambiguous positions, ambiguous work: How physical science internships shape students’ commercial imaginaries.” **American Sociological Association**, Philadelphia PA.
- 2016 **Sacco, Timothy,** Laurel Smith-Doerr, and Jennifer Croissant. “Breaking Up is Hard to Do: Processes and Contexts of Failed Scientific Collaboration.” Regular Session, **American Sociological Association**, Seattle WA.
- 2016 Wilkerson, Tiamba, **Timothy Sacco,** Laurel Smith-Doerr, and Jennifer Croissant. [Co-presented by Tiamba Wilkerson and **Timothy Sacco**] “Chemical Scientists’ Narratives about Why they Enter their Field.” **Eastern Sociological Society**, Boston, MA.

- 2015 Laurel Smith-Doerr, Jennifer Croissant, Itai Vardi, and **Timothy Sacco**. [Presented by **Timothy Sacco**] “Epistemic Cultures of Collaboration: Coherence and Ambiguity in Interdisciplinarity.” **Society for the Social Study of Science**, Denver CO.
- 2015 **Sacco, Timothy**, Laurel Smith-Doerr, and Jennifer Croissant. [Presented by **Timothy Sacco**] “Research Collaboration in the Chemical Sciences: A Study of How Institutions Shape Networks.” **American Sociological Association**, Chicago IL.
- 2015 **Sacco, Timothy**, Laurel Smith-Doerr, Jennifer Croissant, and Itai Vardi. [Presented by **Timothy Sacco**] “Epistemic Cultures of Interdisciplinary Collaboration.” **Eastern Sociological Society**, New York NY.

Presided Panels

- 2015 Presider: **Sacco, Timothy**. “Panel on Environment and Sustainability.” **Institute for Social Science Research**, University of Massachusetts Amherst. Amherst, MA.
- 2015 Presider: **Sacco, Timothy**. “Work, Meaning, and Identity.” **Eastern Sociological Society**, New York NY.

Poster Sessions

- 2008 Eisenhauer, Brian, Meghan Rodier, **Timothy Sacco**, and Christian Weber. “Relationship to Land Stewardship to Environmental Concerns and Support of Zoning Regulations.” **The Seventh Annual New England Undergraduate Environmental Research Symposium**. Bridgewater, Mass.

TEACHING EXPERIENCE

Instructor of Record – University of Massachusetts, Amherst

Social Networks and Analysis

Teaching Assistant

Sociological Theory
Race, Class, Gender, and Inequality
Criminology

Invited Classroom Lectures

Research Methods, UMass Amherst

RESEARCH EXPERIENCE

Research Assistantships

- 2015 - Research Assistant, Science of Science research on the National Science Foundation Research Traineeship (NRT) program, University of Massachusetts Amherst. Funded by the National Science Foundation. Kenneth Carter, University of Massachusetts Amherst Polymer Science and Engineering Department, PI; and, Gregory Tew, University of Massachusetts Amherst Polymer Science and Engineering Department, Co-PI. Supervised by Laurel Smith-Doerr. Grant #1545399; Awarded Amount: \$2,975,376.00
- 2014 – 2015 Research Assistant, The Social Organization of Collaboration in the Chemical Sciences. National Science Foundation Grant, Laurel Smith-Doerr, University of Massachusetts Amherst, lead PI with Jennifer Croissant, University of Arizona. Grant #1063944; Total collaborative grant \$672,274. 2011-2016.

Evaluation Project Experience

- 2011 *Loyola University's ITS Workshop Evaluation Survey* for Loyola University Chicago's Information Technology Services. Responsibilities: Constructing and administering five separate surveys through Opinio.
- 2011 *Loyola University's ITS Student Technology Survey* for Loyola University Chicago's Information Technology Services. Responsibilities: Coding/entering data, data analysis, participation in research-team meetings.
- 2011 *The Housing First Fidelity Index Survey* for the Center for Urban Research and Learning at Loyola University Chicago, the Chicago Alliance to End Homelessness, and the City of Chicago. Responsibilities: Administering survey interviews, coding/quantifying qualitative data, research-team participation.
- 2010 *Evaluation of Chicago's Ten-Year Plan to End Homelessness, Phase III* for the Center for Urban Research and Learning at Loyola University Chicago, the Chicago Alliance to End Homelessness and the City of Chicago. Responsibilities: Administering survey interviews, coding/quantifying qualitative data, research team participation.
- 2009 *Every Acre Counts: Newfound Lake Watershed Master Plan, Phase II* for the Center for the Environment at Plymouth State University and the Newfound Lake Region Association. Responsibilities: Survey creation/development, survey administered via mail, SPSS database creation/data entry, data analysis, assistance in writing/compiling report, participating in research-team meetings/meetings with other organizations involved in project.
- 2009 *D'Acres Organic Farm and Educational Homestead Program Evaluation and Needs Assessment* for the Center for the Environment at Plymouth State University. Responsibilities: Survey created/administered through Surveymonkey.com, participating in research-team meetings.

- 2009 *Carbon Emissions of Plymouth State University's Commuting Students* for the President's Commission on Environmental Sustainability at Plymouth State University, Senior Project. Responsibilities: Survey created/administered through Surveymonkey.com, SPSS database creation/data entry, data analysis, written report, participating in research-team meetings.
- 2009 *Carbon Emissions of Plymouth State University's Commuting Faculty* for the President's Commission on Environmental Sustainability at Plymouth State University. Responsibilities: Survey creation/administered through Surveymonkey.com, SPSS database creation/data entry, data analysis, participating in research-team meetings.
- 2008 *White Mountain National Forest Alternative Transportation Report* for the Center for Rural Partnership at Plymouth State University. Responsibilities: Data entry for an SPSS database, data analysis, assistance in writing report, participating in research-team meetings.
- 2008 *Ways of the Woods: Survey on Participants Knowledge of the Northern Forest* for the Center for the Environment at Plymouth State University and the Northern Forest Center. Responsibilities: Survey creation/administered via face-to-face interviews, qualitative coding of open-ended responses SPSS database creation/data entry, Data analysis, participating in research-team meetings.
- 2007 *Every Acre Counts: Newfound Lake Watershed Master Plan, Phase I* for the Center for the Environment at Plymouth State University and the Newfound Lake Region Association. Responsibilities: Second survey data entry into SPSS database, Data analysis, participating in research-team meetings.

OTHER RELATED EMPLOYMENT

- 2015–2016 Student Coordinator for the Environment and Sustainability Working Group, Institute for Social Science Research, University of Massachusetts Amherst.
- 2010–2012 Information Technology Services Assistantship, Loyola University Chicago Information Technology Services.

PROFESSIONAL SERVICE

Journal Peer Reviewer

PLOS One
Sociological Perspective

Disciplinary Service

- 2011 Graduate Coordinator, Global Studies Conference, Loyola University Chicago.

Departmental Service

- 2017–2018 Graduate Student Representative, Sociology Department Faculty Recruitment Committee, UMass Amherst.
- 2014–2015 Sociology Department Representative, Graduate Student Senate, UMass Amherst
- 2013–2014 Co-Chair, Sociology Graduate Student Administration, UMass Amherst
- 2013 – 2014 Graduate Student Representative, Sociology Department Undergraduate Policy Committee, UMass Amherst
- 2013 Graduate Student Research Panel Planning Committee, UMass Amherst
- 2013 Co-Organized Sociology Graduate Student Writing Retreat, UMass Amherst
- 2011–2012 Co-Chair, Graduate Association of Sociologists. Loyola University Chicago.

PROFESSIONAL AFFILIATIONS

American Sociological Association
Section on Science, Knowledge and Technology
Section on Occupations, Organizations, and Work
Section on Culture

Eastern Sociological Society

Society for the Social Studies of Science

REFERENCES

Laurel Smith-Doerr, Professor of Sociology
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