

NATALIE B. AVILES

CURRICULUM VITAE

Department of Sociology
University of Virginia
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EMPLOYMENT

University of Virginia	Assistant Professor, Department of Sociology
2019-Present	
Yale University	Yale Presidential Postdoctoral Fellow
2018-2019	Lecturer, Sociology Department Co-Convener, Center for Cultural Sociology
Colby College	Postdoctoral Fellow, Sociology Department
2016-2018	Instructor, Sociology Department
University of California, San Diego	
2015-2016	UC President's Dissertation-Year Fellow Associate-In Instructor, Sociology Department

EDUCATION

University of California, San Diego	
2016	Ph.D., Sociology and Science Studies Dissertation: "Cancer Research <i>in Situ</i> : Organizational Cultures of Vaccine Innovation in the National Cancer Institute's Directed Virus-Cancer Programs, 1961-2008" Committee: Martha Lampland (Chair), Richard Biernacki, Jeffrey Haydu, Catherina Gere (History), Tal Golan (History)
2011	M.A., Sociology Concentration in Science and Medicine
University of California, Berkeley	
2008	B.A., Sociology Highest Honors (summa cum laude) Phi Beta Kappa

SPECIALIZATIONS

Social Theory | Science and Technology Studies | Health and Medicine | Culture |
Comparative-Historical Methods | Organizations | Economics and Public Policy

PUBLICATIONS

Peer-Reviewed Articles

Aviles, Natalie B. (2018) "Situated practice and the emergence of ethical research: HPV vaccine development and organizational cultures of translation at the National Cancer Institute." *Science, Technology & Human Values* 43(5): 810-833.

Aviles, Natalie B. and Isaac Ariail Reed. (2017) "Ratio via machina: Three standards of mechanistic explanation in sociology." *Sociological Methods & Research* 46(4): 715-738.

Aviles, Natalie B. (2015) "The little death: Rigoni-Stern and the problem of sex and cancer in 20th century biomedical research." *Social Studies of Science* 45(3): 394-415.

Winner of the 2015 Hacker-Mullins Student Paper Award. Science, Knowledge, and Technology Section, American Sociological Association.

Book Reviews

Aviles, Natalie B. (2020) "Book Review of *Flatlining: Race, Work, and Health Care in the New Economy* by Adia Harvey Wingfield." *Gender & Society*. Online First: <https://doi.org/10.1177/0891243219896592>

MANUSCRIPTS UNDER REVIEW

Articles

Robin W. Scheffler and Natalie B. Aviles. "Infrastructure and Innovation: Federal cancer vaccine planning and the origins of the oncogene hypothesis." Under review at *Social Studies of Science*.

Book Chapters

"Pragmatism and scientific innovation: Lessons for and from the Sociology of Science." In *Agency, Inquiry, and Democracy: The New Pragmatist Social Science*. Eds. Neil Gross, Christopher Winship, and Isaac Ariail Reed. Under review at Columbia University Press.

WORKS IN PROGRESS

Book Manuscripts

An Ungovernable Foe: Scientific Innovation and Health Policy at the National Cancer Institute. Under contract with Columbia University Press.

Article Manuscripts

“Motivating innovation in the biomedical research economy: The case of non-monetary incentives in public science.”

“Moving targets in the War on Cancer: A pragmatist theory of innovation as social learning.”

“Relational sociology and the problem of complexity: Fields, networks, and ecologies reconsidered.”

“The cognitivist challenge to culture as cognition.”

Book Chapters

“Process theory, pragmatism, and meso-level social order: Theoretical insights from the sociology and philosophy of science.” In *Comparison After Positivism*. Eds. Damon Mayrl and Nicholas H. Wilson.

HONORS & AWARDS

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| 2015 | Hacker-Mullins Student Paper Award, Science, Knowledge, and Technology Section. American Sociological Association.
Certificate of Recognition for Excellence in Undergraduate Mentoring, Sociology Department. University of California-San Diego. |
| 2014 | TA Excellence Award, Sociology Department. University of California-San Diego.
Distinguished Pass in Field Examinations. University of California-San Diego. |
| 2008 | Departmental Citation Honorable Mention, Sociology Department. University of California-Berkeley |

FELLOWSHIPS & GRANTS

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| 2020-2021 | Bankard Fund for Political Economy. University of Virginia. |
| 2018-2019 | President’s Visiting Research Fellowship. Yale University.
Fellowship, Center for Cultural Sociology. Yale University. |
| 2015-2016 | University of California President’s Dissertation Year Fellowship. University of California, San Diego.
Center for the Humanities Dissertation Writing Fellowship. University of California, San Diego. |
| 2014-2015 | Science Studies Program Research Stipend. University of California, San Diego.
Science Studies Program Travel Grant. University of California, San Diego. |
| 2013-2014 | Dean of Social Sciences Travel Fund. University of California, San Diego. |

Sociology Department Summer Research Grant. University of California, San Diego.
Science Studies Program Research Stipend. (Declined.) University of California, San Diego.
Sociology Department Travel Grant. University of California, San Diego.
2009-2013 San Diego Pre-Doctoral Diversity Fellowship. University of California-San Diego.

TEACHING

University of Virginia

2019- Assistant Professor, Sociology Department

Graduate Courses:

- Sociology of Science

Undergraduate Courses:

- Medical Sociology
- Sociology of Science and Knowledge

Yale University

2018-2019 Instructor, Sociology Department

“Universal Health Care: Could It Work Here?”

Colby College

2016-2018 Instructor, Sociology Department

“Universal Health Care: Could It Work Here?”

“The Life Sciences and Society”

“Starting a Business or Nonprofit? Lessons from Sociology”

University of California, San Diego

2015-2016 Associate-In Instructor, Sociology Department

“Medical Sociology”

2010-2014 Teaching Assistant, Sociology Department

“Classical Sociological Theory”; “Sociology of Health Care Issues”;

“Introduction to Sociology”; “Introduction to Social Research Methods”; “Sociology of Scientific Knowledge”

INVITED TALKS (ABRIDGED)

2018 “Governing an Ungovernable Foe: Vaccine Innovation and Public Health Policy in the U.S. National Cancer Institute.”

-Sociology Department Colloquium, University of Virginia.

Charlottesville, VA.

-Sociology Department Colloquium, University of California, Merced. Merced, CA.

-School of History and Sociology Colloquium, Georgia Institute of Technology. Atlanta, GA.

-Sociology and Science, Technology, and Society Department Colloquium, Vassar College.

“Public health policy and scientific statecraft at the U.S. National Cancer Institute.” Initiative for Historical Social Science. State University of New York, Stony Brook. Long Island, NY.

“Social learning and collective creativity in cancer virus vaccine development in the National Cancer Institute’s Intramural Research Program.” Conference on Policy, Politics and Law of Cancer. Solomon Center for Health Law and Policy at Yale Law School. New Haven, CT.

2017 “Innovation for a cure: Social Learning in the National Cancer Institute’s Vaccine Programs.”

-Sociology Department Colloquium, University of California, Berkeley. Berkeley, CA.

-Sociology Department Colloquium, University of Chicago. Chicago, IL.

“Innovation in a ‘culture of planning’: HPV vaccines and translational research in the National Cancer Institute.”

-Sociology Department Colloquium, University of North Carolina, Chapel Hill. Chapel Hill, NC.

-Science, Technology, and Society Department Colloquium, Virginia Tech. Blacksburg, VA.

“Pragmatism and social worlds analysis as a lens for studying meso-level processes in STS.” Third Conference on Sociology and Pragmatism: Renewing the Conversation. Radcliffe Institute for Advanced Study at Harvard University. Cambridge, MA.

2016 “Organizational cultures of translational research in the National Cancer Institute, 1991-2006.” UCSF Biomedical Knowledge Working Group Colloquium. San Francisco, CA.

2015 “A pragmatic process theory of organizational culture in the National Cancer Institute.” Colby College Sociology Department Colloquium Series. Waterville, ME.

“Moving targets in the War on Cancer: Toward a pragmatic event-based theory of organizational culture in the National Cancer Institute.” Junior Theorists Symposium. Chicago, IL.

“The emergence of translational research: Organizational culture and scientific practice at the National Cancer Institute, 1991-2008.” Science Studies Program Colloquium, University of California, San Diego. La Jolla,

CA.

CONFERENCE PRESENTATIONS (ABRIDGED)

- 2018 “Paper cultures of human cancer virus research in the Special Virus-Leukemia Program, 1958-1969.” Annual Meeting of the American Sociological Association. Philadelphia, PA.
“Cancer vaccine innovation and the politics of public health disparities at the National Cancer Institute, 1958-2008.” Annual Meeting of the Social Science History Association. Phoenix, AZ.
- 2017 “HPV vaccine development and organizational cultures of translation at the National Cancer Institute, 1991-2008.” Annual Meeting of the American Sociological Association. Montreal, QC.
“Profit and Public Good in HPV Vaccine Innovation at the National Cancer Institute.” Annual Meeting of the Society for Social Studies of Science, Boston, MA.
“Managing Cancer and Cancer Researchers: Organizing Cold War Cancer Vaccine Development at the National Cancer Institute.” Annual Meeting of the Science and Democracy Network, Harvard University. Cambridge, MA.
- 2016 “Moving targets in the War on Cancer: A pragmatic process theory of organization in the National Cancer Institute.” Annual Meeting of the American Sociological Association. Seattle, WA.
- 2015 “Ratio via machina: Three standards of mechanistic explanation in sociology.” Annual Meeting of the American Sociological Association. Chicago, IL.
“Outline for a Pragmatic Process Theory of Organizational Culture.” Annual Meeting of the Society for Social Studies of Science. Denver, CO.
“Outline for a pragmatic event-based theory of organization.” Annual Meeting of the UCSD Sociology Department Graduate Student Conference. La Jolla, CA.
- 2014 “The little death: The problem of cancerous sex in twentieth century biomedicine.” Annual Meeting of the American Sociological Association. San Francisco, CA.
“Explaining HPV vaccine technology: Goal-oriented versus pragmatic models of action.” Annual Meeting of the Pacific Sociological Association. Long Beach, CA.

DEPARTMENTAL SERVICE

- 2020-2021 Advisor. Sociology Department Distinguished Majors Program, University of Virginia.
Sociology Department Colloquium Committee, University of Virginia.
- 2018-2019 Co-Convener. Center for Cultural Sociology Workshop, Yale University.

- 2017-2018 Session sponsor. Colby Liberal Arts Symposium, Colby College.
- 2015 Organizer. Undergraduate Sociology Club Diversity Forum, University of California, San Diego.
- 2014 Graduate Student Representative. Sociology/Science Studies Hiring Committee, University of California, San Diego.
- Chair. Ad Hoc Steering Committee for the Graduate Student Community Committee, University of California, San Diego.
- Organizer. Graduate Student Conference Planning Committee, University of California, San Diego.

PROFESSIONAL SERVICE

Journals

Reviewer. *American Journal of Sociology (AJS)*; *American Sociological Review (ASR)*; *Sociological Methods & Research (SMR)*; *Gender & Society*; *Social Science & Medicine (SSM)*.

Granting Agencies

Ad hoc Reviewer. Science, Technology & Society (STS) Program, National Science Foundation (NSF)

PROFESSIONAL MEMBERSHIP

American Sociological Association (ASA)
Social Science History Association (SSHA)
Society for Social Studies of Science (4S)