

CURRICULUM VITAE

Michael A. Yudell, PhD, MPH

Chair and Associate Professor
Department of Community Health & Prevention
Dornsife School of Public Health
Drexel University, Philadelphia, PA

GENERAL INFORMATION

Place of Birth: New York, NY
Work Address: 3215 Market Street
Nesbitt Hall, 4th FL
Philadelphia, PA 19104
Work Telephone: 267.359.6084
Electronic Mail: myudell@drexel.edu

EDUCATION

October 2008 PhD, Sociomedical Sciences
Program in the History and Ethics of Public Health
Mailman School of Public Health
Graduate School of Arts and Sciences, Columbia University,
New York, NY
Dissertation: *"Making Race: Biology and the Evolution of the Race
Concept in 20th Century American Thought"* (Awarded Distinction &
Nominated for Bancroft Dissertation Award)
Dissertation Advisor: David Rosner, PhD, MPH

May 2001 MPH, Sociomedical Science
Department of Sociomedical Sciences
Mailman School of Public Health
Columbia University, New York, NY
Thesis: "Race and the Genomic Revolution"

February 1998 MPhil, U.S. History
Department of History
Graduate Center, City University of New York, New York, NY

May 1990 BA, History and Soviet Studies
Tufts University, Boston, MA
Honors Thesis: "Black-Jewish Relations in New York and Atlanta
During the Civil Rights Movement"
Thesis Advisor: Gerald Gill, PhD

PROFESSIONAL EXPERIENCE

- 2015 – present **Chair**, Department of Community Health and Prevention
- Successful leadership and management of 19 faculty and 4 staff.
 - Manage annual budget of \$7.2 million for department (FY2018), including salary, grant funding, and discretionary funds.
 - Lead successful doctoral, MPH, and certificate programs.
 - Managed departmental growth, including adding 7 new full-time faculty (4 tenured/tenure track) since 2014.
 - Reorganized and expanded department staff to include a new Department administrator, a Grants Administrator, and an Assistant to the Chair.
 - Developed new department research infrastructure, which contributed to a more than 50% increase in funded projects in our department from 2015 and 2017, and a two-fold increase in the total number of grants submitted by department faculty from 2014-2017.
 - Developed new department initiatives to support student academic success, including travel funding for students.
 - Implemented program (in 2016) to fully fund all new full-time doctoral students.
 - Led department effort to reimagine our MPH Program, including adding six new areas of specialization including maternal and child health, history and ethics, LGBT health, and program evaluation, among others.
 - Led department effort to submit new degrees and online certificates including Maternal & Child Health Certificate (start date Fall 2017); PhD in Community Health Sciences (start date Fall 2019); M.S. in Public Health Ethics (start date Fall 2020).
 - Launched new department diversity initiative to enhance student and faculty recruitment and examine diversity and inclusion issues in our education offerings and community engagement.
 - Conducted a community-engagement census to characterize and improve our community partnerships to benefit faculty research, student practice opportunities, and community partnerships.
- 2019-present **Chair**, Newborn Screening and Followup Technical Advisory Board, Department of Health, Commonwealth of Pennsylvania
- 2014 – 2015 **Interim Chair**, Department of Community Health and Prevention
- 2012 – present **Director**, Program in Public Health Ethics and History
- 2012 – present **Institute Research Fellow**, A.J. Drexel Autism Institute
Drexel University, Philadelphia, PA
- 2011 – present **Associate Professor** (with tenure)

- 2011 – 2017 **Blogger**, Philadelphia Inquirer
Creator and writer of *The Public's Health*, a public health blog.
The Philadelphia Inquirer, Philadelphia, PA
- 2004 – 2011 **Assistant Professor**
Drexel University School of Public Health, Philadelphia, PA
- 1996 – 2004 **Graduate Researcher**, Molecular Laboratories
The American Museum of Natural History, New York, NY
- 2001 – 2002 **Health Policy Analyst**, National Institute of Environmental Health
Sciences, Research Triangle Park, NC

AWARDS AND HONORS

- 2016 **Arthur J. Viselwear Prize** for *Race Unmasked* and contributions to
the history of public health, American Public Health Association,
Medical Care Section.
- 2008 **Dissertation Awarded Distinction** and Nominated for Bancroft
Dissertation Award, Columbia University.
- 2007 **Golden Apple Teaching Award**, Drexel University School of Public
Health.
- 2004 **Library Resident Research Fellow**, American Philosophical
Society, Philadelphia, PA.
- 1990 **Magna Cum Honore and Dean's List**, Tufts University.

Publications

Books

DeSalle, R. and **M. Yudell**. *Welcome to the Genomes*. John Wiley & Sons, (Revised Second Edition Forthcoming, 2019).

Yudell, M. *A Way of Being Human: Autism in Science and Society* (Under contract with Columbia University Press, forthcoming).

Yudell, M. (with Samuel Kelton Roberts) *Race, Inequality, and Health*, series co-editors, Columbia University Press.

(This new series, combining work in history, the social sciences, the biological sciences, and public health, will deepen our understanding of how ideological and scientific claims about race and race difference have impacted health and society historically and in the present day. Our first title, *Troublesome Science: The Misuse of Genetics and Genomics in Understanding Race* by Ian Tattersall and Rob DeSalle, was published in June 2018. *Black Biopolitics and HIV/AIDS: The Topology of a Continuing Crisis* by Lester Spence, Associate Professor of Political Science and Africana Studies at Johns Hopkins University and *Redeeming Race?: Anti-Racist Science and Postcolonial Development in the Twentieth Century* by Sebastián Gil-Riaño, Assistant Professor of History and Sociology of Science, are under contract for our series. Other books are currently in peer review or preparation for review).

Yudell, M. *Race Unmasked: Race and Biology in the 20th Century*. (Columbia University Press, September 2014, cloth, May 2018, paperback).

(The book was awarded the Arthur J. Visel tear Prize by the American Public Health Association and has been reviewed in *Nature*, *Bioscience*, *Science News*, *The Biologist*, *Kirkus Reviews*, *Library Journal*, *Publishers Weekly*, *Choice*, *Social Science and Medicine*, *The Journal of the History of Medicine*, *American Historical Review*, *Quarterly Review of Biology*, *The Journal of American History*, and *The Nursing History Review*, among others)

DeSalle, R. and **M. Yudell**. *Welcome to the Genome: A User's Guide to the Genetic Past, Present and Future*. John Wiley & Sons, 2004.

Yudell, M. and R. DeSalle, eds. *The Genomic Revolution: Unveiling the Unity of Life*, National Academy/Joseph Henry Press, 2002.

Articles, Book Chapters, White Papers, and Book Reviews

Under Review

Garfield, T., **Yudell, M.** "Participatory Justice and Ethics in Autism Research," *Journal of Empirical Research on Human Research Ethics* (under review).

Budenz, A., Klassen, A., Purtle, J., **Yudell, M.**, and Massey, P. "'If I Was to Post Something, It Would Be Too Vulnerable:' University Students and Mental

Health Disclosures on Instagram," *Journal of Health Communication* (under review).

In Press or Published

Yudell, M. Roberts, D. DeSalle, R. and S. Tishkoff. "A Future for Racial Research?" *The Race Debates*, Quayshawn Spencer, ed., (Oxford University Press, forthcoming, 2019).

Budenz, A., Purtle, J., Klassen, A., Yom-Tov, E., **Yudell, M.**, & Massey, P., (2018). Mass Shootings and Violence-Related Mental Illness Stigma on Twitter. *Stigma and Health* (in press).

Mohanty, S., Carroll-Scott, A., Wheeler, M., Davis-Hayes, C., Turchi, R., Feemster, K., **Yudell, M.**, & Buttenheim, A.M. (2018). "Vaccine Hesitancy in Pediatric Primary Care Practices," *Qualitative health research*, (in press).

Mohanty, S., Buttenheim, A.M., Feemster, K.A., Moser, C.A., Field, R.I., **Yudell, M.**, Turchi, R.M., & Carroll-Scott, A. (2018). "Pediatricians' Vaccine Attitudes and Practices before and after a Major Measles Outbreak," *Journal of Child Health Care*, (in press).

Arana, E., Carroll-Scott, A., Massey, P., Lee, N., Klassen, A. **Yudell, M.** (2018). "Racial/Ethnic Disparities in Mammogram Frequency among Women with Intellectual Disabilities," *Intellectual and Development Disabilities Journal*. (in press).

Yudell, M. "Review: *Defectives in the Land: Disability and Immigration in the Age of Eugenics* by Douglas Baynton," *Journal of American History*, 104(March 2018) pp.1034-1035.

Rossi, J. Langer, D. Carroll-Scott, A. Plumb, J. Berrigan, L. and **M. Yudell.** "Improving Risk Communication in Autism Spectrum Disorders: Ethical and Policy Considerations," White Paper Prepared for Autism Speaks (2017).

Yudell, M. "Review: *On Immunity: An Inoculation* by Eula Biss," *Kennedy Institute of Ethics Journal*, 26(2016) pp.e1-e3.

Yudell, M. "Review: *Postgenomics: Perspectives on Biology after the Genome* by Sarah S. Richardson and Hallam Stevens," *Social History of Medicine*, (2016) doi: 10.1093/shm/hkw060

Yudell, M. Roberts, D. DeSalle, R. and S. Tishkoff. "Taking Race Out of Human Genetics," *Science*, 351(February 5, 2016) pp.564-564.

Yudell, M. "Ernst Rüdin and the State of Science," *PLoS Genetics*, 11(2015): e1005707. doi: 10.1371/journal.pgen.1005707.

Yudell, M. "Breve Historia del Concepto de Raza," *Pasajes*. (Spring 2014) pp.32-47.

- Gidaya, N. Lee, B. Burstyn, I. **Yudell, M.** Mortensen, E, Newschaffer, C. "In utero Exposure to Selective Serotonin Reuptake Inhibitors and Risk for Autism Spectrum Disorder," *Journal of Autism and Developmental Disorders*. 44(October 2014) pp.2558-2567.
- Caplan, A., Chernak, E., Arana, E., Blank, N., and **M. Yudell**. "Vaccination Mandates for Healthcare Professionals – An Evaluation of Current Practices and Recommendations for Implementation," White Paper Prepared for the National Vaccine Program Office, (2013).
- Rossi, J. Newschaffer, C. and **M. Yudell**. "Autism Spectrum Disorders, Risk Communication and the Problem of Inadvertent Harm," *Kennedy Institute of Ethics Journal*. 23(2013) pp.105-138.
- Burstyn, I. Lee, B. Gidaya, N. **Yudell, M.** "Presentation of Study Results: The Authors' Responsibility," *Environmental Health Perspectives*. 120(September 2012) pp.343-344.
- Yudell, M.** Tabor, H. Dawson, G. Rossi, J. and C. Newschaffer. "Priorities for Autism Risk Disorders Risk Communication and Ethics." *Autism*. 17(2012) pp.701-722.
- Rossi, J. and **Yudell, M.** "The Use of Persuasion in Public Health Communication: An Ethical Critique," *Public Health Ethics*. 5(2012) pp.192-205.
- Rossi, J. and **Yudell, M.** "Value-Ladenness and Rationality in Health Communication," *American Journal of Bioethics*. 12(February 2012) pp.20-22.
- Yudell, M.** "A Short History of the Race Concept," in *Race and Genetics*, Sheldon Krinsky, ed. (Columbia University Press, 2011).
- Yudell, M.** "Review: *Segregation's Science: Eugenics and Society in Virginia*, by Gregory Dorr," *Journal of the History of Biology*. 43(May 2010) pp.419-422.
- Yudell, M.** "Public Health Ethics: An Update on an Emerging Field" in the *Penn Center Guide to Bioethics*, Vardit Ravitsky, Autumn Fiester, and Arthur Caplan, eds. (Springer, 2009) pp.559-569.
- Yudell, M.** "Review: *Moments of Truth in Genetic Medicine*, by Susan M. Lindee," *Journal of the History of Medicine and Allied Sciences*. 62 (2007) 111-113.
- Yudell, M.** "Race and Science," in *Encyclopedia of African-American Culture and History: The Black Experience in the Americas*, Colin Palmer, ed., MacMillan Reference USA, 2005.
- Sharp, R., **Yudell, M.** and S. Wilson. "Shaping Science Policy in the Age of Genomics," *Nature Reviews Genetics*, 5 (April 2004) 311-317.
- Yudell, M.** and R. DeSalle, "A Review of *The Triple Helix: Gene, Organism, And*

Environment by Richard Lewontin," *Quarterly Review of Biology*, 76 (September 2001), 341-2.

Yudell, M. "Accounting for the Fear Factor," *Genome Technology*, (June 2001) 56.

Yudell, M. and R. DeSalle, "Sociobiology: 25 Years Later," *Journal of the History of Biology*, 33 (Winter 2001) 577-584.

Yudell, M. "From Eugenics to Genomics," *American Scientist*, 88 (July/August 2000) 368-369.

Yudell, M. "Kinsey's Other Report," *Natural History* 108 (July/August, 1999) 80-81.

Yudell, M. "Our Cells, Our Selves," *Natural History*, 107 (September, 1998) 11.

DeSalle, R., Bang, R., Meier, R. and **M. Yudell**, "Predictive Value of *Drosophila*," *Science*, 275 (March 14, 1997) 1549-1551.

Manuscripts in Preparation

Hansen, H. Roberts, D. and **M. Yudell**. "Opioid Science and the Construction of White Race."

Rossi, J., Langer, D., Carroll-Scott, A., Plumb, J., Berrigan, L., Grossman, S., and **M. Yudell**. "Autism Risk Communication: A Path Forward."

Yudell, M and Rossi, J. "Uncertainty in Autism Research: Lessons for Risk Communication in an Era of Blame."

Presentations

Keynotes and Invited Talks

Ethical Considerations in Conducting and Disseminating Biosocial Research, Summer Institute on Biological Approaches in the Social Sciences, Northwestern University, June 2019.

The Persistence of Race Concepts in Biology and Genetics, Department of the History of Science, Harvard University, October 2018.

Ethical Autism Research Cultures and Community Engagement (with Chloe Silverman), National Science Foundation, CCE STEM Program Meeting, Washington, DC, September 2018.

Public Health Advocacy: From Scientific Research to Community Engagement to Ethics (keynote speaker), Israeli Public Health Physicians Association, Tel Aviv, Israel, June 2018.

Health Disparities and Genomics (invited panelist), Precision Medicine Leadership Summit, Jersey City, NJ, May 2018.

Neurodiversity: History, Politics, and Human Well-Being, Center for Neuroscience and Society, University of Pennsylvania, March 2018.

The Persistence of Race Concepts in Biology and Genetics, Clinical Sequencing Evidence-Generating Research Consortium, Bethesda, MD, January 2018.

The Persistence of Race Concepts in Biology and Genetics, American Historical Association, Annual Meeting, Washington, DC, January 2018.

History, Ethics, and Understanding Autism Risk Research. Pediatric Grand Rounds, Northwestern University, September 2017.

Taking Race Out of Human Genetics: Implications for Science and Medicine, Institute for Public Health and Medicine, Northwestern University, September 2017.

W.E.B. Du Bois and the Past and Future of the Race Concept, Barbara Bates Center for the Study of the History of Nursing, University of Pennsylvania, School of Nursing, March 2017.

What Should We Do About the Race Concept in Genetics? Robert Wood Johnson Scholars Program, University of Pennsylvania School of Medicine, December 2016.

Taking Race Out of Human Genetics, Department of Medical Ethics, University of Pennsylvania, November 2016.

Taking Race Out of Human Genetics, Department of Anthropology Lecture Series on Race: An Anthropological Perspective, University of Pennsylvania, November 2016.

Taking Race Out of Human Genetics: Historical Considerations for Reconsidering Classificatory Structures in Human Genetics (keynote speaker), Philosophy of Science Association, Biennial Meeting, Atlanta, GA, November 2016.

Understanding the History of Race and Science (invited panelist), Penn Museum, University of Pennsylvania, September 2016.

Ending Racism in America: Agendas From and For Science (invited panelist) at *Persistent & Emerging Issues in Population Health Science*, Penn State University, September 2016.

Historical and Contemporary Lessons About Risk, Ethics and Autism, Autism Re-Examined: Ethical Challenges in Care, Support, Research and Inclusion, Annual Pediatric Bioethics Conference, Treuman Katz Center for Pediatric Bioethics, Seattle Children's Hospital, July 2016.

Taking Race Out of Human Genetics, National Academies of Science, Board on Life Sciences, May 2016.

Implications of Understanding Interindividual Variability (invited panelist), National Academies of Sciences, Interindividual Variability: New Ways to Study and Implications for Decision-Making, Washington, DC, October 2015.

Autism Risk Communication and Ethics, Neurodevnet Brain Development Conference, Ottawa, Canada, September 2015.

The Polio Vaccination Campaign of Summer 2013 in Israel (invited commentator), Edmund J. Safra Center for Ethics, Tel Aviv University, July 2015.

The Past and Future of Race in Research, Grand Rounds, The Mayo Clinic, Rochester, MN, May 2015

The Future (and Past) of Racial Research, Thomas Jefferson Medical College, March, 2015

The Future (and Past) of Racial Research, Drexel University School of Medicine, April, 2015

Race Unmasked, Edmund J. Safra Center for Ethics, Tel Aviv University, June 2014.

The Ethics of Influenza Vaccine Mandates for Health Care Workers, National Vaccine Program Office, Department of Health and Human Services, Washington DC, June 2014.

Race Unmasked, Barbara Bates Center For the History of Nursing, University of Pennsylvania, Philadelphia, PA, October 2013.

A Historian in Public Health, Israeli Society for the History and Philosophy of Science, Jerusalem, Israel, June 2013.

Why the Biological Race Concept Continues to Shape Science and Society, Ben Gurion University, Be'er Sheva, Israel, June 2013.

Autism, Risk Communication, and Ethics: An Overview, Hebrew University, Jerusalem, Israel, June 2013.

Autism, History, and The Communication of Scientific Findings in Eras of Controversy and Uncertainty, Safra Center for Ethics, Tel Aviv University, June 2013.

Autism, History, and the Communication of Scientific Findings in Eras of Uncertainty and Controversy. NIH Workshop: Ethical, Legal and Social Implications of Autism Research, September 2011.

Autism, History, and the Controversy of Nosological Categories. Categories & Controversies: The Ethical Dimensions of The DSM-5, University of Pennsylvania & Scattergood Foundation, September 2011.

- A History of Blame? Autism Spectrum Disorder Etiology Research Since 1943*, Barbara Bates Center for the Study of the History of Nursing, School of Nursing, University of Pennsylvania, April, 2010.
- Risk Communication and Ethical Challenges Associated with Autism Spectrum Disorders*, Inaugural Partnerships for Environmental Public Health Program Meeting, National Institutes of Environmental Health Sciences, Research Triangle Park, NC, April, 2010.
- Making Race: Biology and the Evolution of the Race Concept in 20th Century American Thought*, Anthropology Colloquium Series/History and Sociology of Science Workshop, April, 2010.
- A Short History of The Race Concept*, Council for Responsible Genetics Workshop, American Museum of Natural History, New York, NY, August 2009.
- Why the Return to Racial Science? Implications for Public Health*, Drexel University School of Public Health, Public Health Grand Rounds, October 2005.
- From Eugenics to Genomics: A Look at the History and Clinical Impact of Scientific Racism*, Drexel University School of Medicine, Humanities Grand Rounds, September 2005.
- Genomics and the Public's Health: Opportunities and Challenges Ahead*, Grand Rounds, Drexel University School of Public Health, Philadelphia, PA, November 2004.
- Welcome to the Genome*, American Museum of Natural History, New York, NY, December 2004.
- The Human Genome Project: Implications for the Future*, Autism Society of America, Manhattan Chapter, New York, NY, January 2004.
- Welcome to the Genome*, Princeton University, Woodrow Wilson National Fellowship Foundation Genome Workshop, Princeton, NJ, July 2003.
- The Genomic Revolution*, Chesterfield County Public Schools, Richmond, VA, October 2003.
- The Genomic Revolution*, American Museum of Natural History, New York, NY, April 2003.
- Environmental Health Policy in the Age of Genomics*, National Institute of Environmental Health Sciences, Genetics and Environmental Health Workshop, Research Triangle Park, NC, May 2002.
- The Coming Age of Genomic Medicine: Promises and Challenges*, North Carolina Museum of Natural Science, Raleigh, NC, May 2002.

Conference Talks

- Transcending Racial Boundaries in Human Genetic Research (co-organizer and moderator)*, AAAS Annual Meeting, Washington, D.C., February 2019.
- Ethics of Risk Communication in Autism Environmental Risk Research*, American Public Health Association, Annual Meeting, Chicago, IL, November 2015.
- What's at Stake in the History of Autism?* American Association for the History of Medicine, Annual Meeting, New Haven, CT, May 2015
- Communicating Complex Autism Risk: Challenges and Opportunities: An Update*, International Meeting for Autism Research, Annual Meeting, Atlanta, GA, May 2014.
- Medical History in Other Venues*, American Association for the History of Medicine, Annual Meeting, Chicago, IL, May 2014.
- Blogging for the Public's Health*, American Public Health Association, Annual Meeting, Boston, MA, October 2014.
- Risk of Inadvertent Harm in Autism Risk Communication*, International Meeting for Autism Research, Annual Meeting, San Sebastian, Spain, May 2013.
- Communicating Complex Autism Risk: Challenges and Opportunities*, International Meeting for Autism Research, Annual Meeting, San Sebastian, Spain, May 2013.
- Communicating Public Health Through A Newspaper Blog and Column*, American Public Health Association, Annual Meeting, San Francisco, CA, October 2012.
- Autism Social, Ethics, and Legal Research*, International Meeting for Autism Research, Annual Meeting, Toronto, CA, May 2012.
- What The History Of Autism Spectrum Disorders Can Teach Us About Risk Communication And Ethics In Public Health*, Annual Meeting of the Section of Ethics in Public Health, European Public Health Association Annual Meeting, Copenhagen, Denmark, November 2011.
- How History Can Help Us Improve Approaches For Communicating Uncertainty Around Emotionally And Politically Charged Issues—Roundtable Discussion*, American Public Health Association, Annual Meeting, Washington, D.C., October 2011.
- With John Rossi, *Autism, Risk Communication, and Ethics*. American Public Health Association, Annual Meeting, Washington, D.C., October 2011.
- Ages of Uncertainty: Autism Spectrum Disorders and the Search for Cause and Cure*, Fifth Biennial Conference for the History of Children and Youth, June, 2011.

Ethics of Communicating Scientific Findings of Autism Risk: Novel and Enduring Challenges in Maternal and Child Health, American Public Health Association, Annual Meeting, Denver, CO, November, 2010.

Why The Race Concept Continues to Shape Science and Society in the 21st Century, Special Session, American Public Health Association, Annual Meeting, Denver, CO, November, 2010.

With Jennifer Breaux, *Stigma and the Welfare Mother: How History Continues to Haunt Social Welfare Policies in the United States*, American Public Health Association, Annual Meeting, Denver, CO, November, 2010.

Hope, Fear, and Blame: Ethical Challenges in Communicating Autism Risk, American Society for Bioethics and Humanities, Annual Meeting, San Diego, CA, October, 2010.

Autism, History, and the Communication of Scientific Findings in Eras of Uncertainty and Controversy, International Meeting for Autism Research, Philadelphia, PA, May 2010.

A History of Autism Spectrum Disorder Etiologic Research, American Association for the History of Medicine, Annual Meeting, Rochester, MN, May 2010.

With Julia Brody, *Ethics of Communication*, Risk Communication Workshop, Partnerships for Environmental Public Health, National Institute of Environmental Health Sciences, Research Triangle Park, NC, April, 2010.

How the History of Autism Spectrum Disorders Can Improve an Understanding of Public Health Ethics, American Public Health Association, Annual Meeting, Philadelphia, PA, November 2009.

With Jennifer Ibrahim and David Barnes, *Teaching the History of Public Health of Philadelphia, A Collaborative Approach*, American Public Health Association, Annual Meeting, Philadelphia, PA, November 2009.

Ages of Uncertainty in Autism Research: Lessons for Risk Communication in an Era of Blame, The Ethics of Communicating Scientific Findings of Autism Risk Conference, Philadelphia, PA, October 2009.

The History of the Biological Race Concept and Its Impact on Personalized Medicine. Genetics & Ethics in the 21st Century: 13th Conference, Breckenridge, CO, July 2009.

From Eugenics to Genomics: A History of the Race Concept and Its Impact on Contemporary Health Disparities, American Public Health Association, Annual Meeting, San Diego, CA, 2008.

With Michelle Chyatte, *Guiding Uncomfortable Decisions While Defining Public Health Ethics: The Divisive Debate Over Nuclear Waste Storage At Yucca Mountain*,

American Public Health Association Annual Meeting, Washington, D.C., November 2007.

A Conflict of Histories: The Battle to Build the Yucca Mountain Nuclear Waste Repository, American College of Preventive Medicine, Annual Meeting, Reno, Nevada, February 2006.

A Short History of Smallpox Inoculation, Vaccination, and Eradication, University of Pennsylvania, December 7, 2005.

Genomics, Race, and the Public's Health, American College of Preventive Medicine, Annual Meeting, Washington, D.C., February 2005.

Race and the Genomics Revolution, American Public Health Association, Annual Meeting, Boston, MA, 2000.

Scientific Racism in America Since the 1970s, American Public Health Association, Annual Meeting New York, NY, 1996.

A Return to Racial Science? Sociobiology, Race, and Politics Since the 1970s, American Historical Association, Annual Meeting, Atlanta, GA, 1996.

Funded Research

Funded

Autism CRC – Australia

“Uncovering the Hidden Histories of Late Diagnosed Autistic Adults”

Pellicano (PI)... **Yudell** (Co-I) 2019-2020.

Our project seeks to uncover the hidden histories of late-diagnosed, autistic adults. Using oral histories, we will study how late-diagnosed autistic adults survived, thrived and potentially suffered both before and after having received an autism diagnosis.

National Science Foundation – Cultivating Cultures for Ethical STEM

“Cultivating Ethical Autism Research Cultures via Community Engagement”

Silverman (PI) & **Yudell** (co-PI) (\$399,635) 2017-2020

With my colleague Dr. Chloe Silverman, we are PIs of a project examining the ethics of autism research that is using qualitative and quantitative research methods (specifically, a sequential, mixed methods research design) to compare the attitudes and research output of scientists who do and do not utilize community input or engagement in their research programs.

National Institutes of Health - Autism Center of Excellence (ACE) Network

“Connecting the Dots: An RCT Integrating Standardized ASD Screening, High-Quality Treatment, and Long-Term Outcomes”

Robins (PI)... **Yudell** (Co-I) 2018-2022.

This project seeks to demonstrate that standardized, high-fidelity, universal screening lowers the age of autism diagnosis and treatment onset, leading to improved short- and long-term outcomes. As co-investigator and ethicist, I am responsible for considerations related to risk to subjects, including risks to children and parents during screening and evaluation. I will provide supporting around ethical issues associated with communicating research findings to research subjects, their families, and the general public (through papers).

Robert Wood Johnson Foundation

“Testing Strategies to Communicate Evidence about Toxic Stress While Minimizing Stigma towards Children and Families”

Purtle (PI)... **Yudell** (Co-I) 2018-2021

The project will test strategies to communicate evidence about toxic stress by producing empirical evidence (produced from two randomized-controlled trials) about how to effectively communicate this issue to the public. I am providing support as an ethicist to the project.

Completed

Autism Speaks

"Scientific Responsibility and Autism Risk Communication"

Yudell (PI) (68,000) 2014-2016

The project examines the knowledge, attitudes, and beliefs of key stakeholders' views regarding environmental risk factor communication for autism spectrum disorders (ASDs). A mixed-methods approach will query ASD research, ASD-affected families, autistics, and a sample of the general public regarding their views on autism risk communication.

Social Science Research Fund Grant, Drexel University

"A Survey of Public Health Professionals' Views about the Nature, Importance and Usefulness of Academic Public Health Ethics"

Rossi (PI) **Yudell** (co-I) (7,250)

This project seeks to improve our understanding of how public health professionals understand their ethical obligations to the field and to the people we serve.

Stein Family Fellowship, Drexel University

"Autism Risk Communication, Ethics and History: Fostering Collaborations with Israeli Scholars, Students, and Institutions"

Yudell (PI) (\$19,915) 2012-2013

Grant will foster communication and collaboration on the subject of autism risk communication and ethics through a series of round-table and smaller group discussions to be held at both Hebrew University and Ben Gurion University to explore the challenges of autism risk communication and ethics in the United States and Israel in an attempt to share findings and develop new insights into these complex issues, and also support research into the history of autism in Israel.

Oak Ridge Institute for Science and Education/National Vaccine Program Office

"Vaccination Mandates for Healthcare Professionals - An Evaluation of How Ethical Concerns Impact Implementations"

Yudell (PI) (\$26,000) 2012-2013

This project, funded by, the Oak Ridge Institute for Science and Education is to develop a white paper that examines the ethical issues surrounding mandates for flu vaccination for HCWs. Drawing on a rich literature in bioethics, public health ethics, and vaccination, the topics covered will include how ethics can enhance our understanding of the following: general attitudes about employee mandates; the use of terminology in describing employer required vaccination (mandates v employer requirements); incentivizing vaccination v. mandating it; the support of and resistance to other types of vaccine mandates; the efficacy of existing mandates; and, attitudes that shape vaccine mandate acceptance including views on safety and laws limiting or supporting the use of mandates.

Medical and Academic Partnerships – Pfizer Fellowships in Health Policy

"Ethical and Policy Issues in Autism Risk Communication and Ethics" (Sponsor) (\$130,000) 2010-2012

This fellowship was awarded to John Rossi, VMD, MBE, to work under my supervision as a post-doctoral fellow for two years beginning the in the Fall of

2010. Dr. Rossi will work closely with me on several projects, including my current research on autism risk communication and ethics.

Health and Human Services, Office of Research Integrity

“Research Integrity Challenges in Vaccine Development and Distribution for Public Health Emergencies”

Yudell (PI) (\$43,000) 2011-2012

This project examined ethical aspects of developing and distributing vaccines in settings of public health emergencies through the development of case-studies and the convening of a one-day workshop of a diverse group of stakeholders. Wide dissemination of workshop findings and case studies occurred, as did the promotion of partnerships among diverse stakeholders to improve preparedness for the next public health emergency.

Competitive Department of Community Health and Prevention Grant, Drexel University School of Public Health

“Ages of Uncertainty: The Risk of Autism Spectrum Disorders and the Search for Cause and Cure”

Yudell (PI) (\$5000) 2010-2011

This proposal seeks funding to continue research on a full-length book on the history of the search for the etiology of ASDs and about how this research has impacted stakeholders in autism research and treatment as well as the general public's understanding of the disorder.

Environmental Sciences Research - Autism Speaks

“Ethics of Communicating Scientific Findings of Autism Risk”

Yudell (co-PI) (\$25,000) 2009-2010

This jointly funded grant (NIH and Autism Speaks) supports research that examines the ethical implications associated with communicating the scientific findings of autism research. As part of this process, in October 2009 we assembled leaders in the field for a two-day meeting of stakeholders to discuss these issues and to try to develop guidelines about communicating risks to stakeholders and to the general public. A small follow-up meeting with leaders in risk-communication and ethics to discuss the development of fundable projects was held on November 2, 2010. A series of grant submissions, papers, and policy recommendations are forthcoming.

R13 – NIH/National Institute of Environmental Health Science

“Ethics of Communicating Scientific Findings of Autism Risk”

Yudell (co-PI) (20,500) 2009

Curriculum Development

Department of Community Health and Prevention, Dornsife School of Public Health, Drexel University, 2016-2018

As department chair, led efforts to expand our degree offerings. We are looking to expand our Master of Science offerings to complement our MPH and to add a PhD to complement our DrPH doctoral offering. We received approval for a new M.S. Degree in Public Health Ethics and a PhD in Community Health Sciences in April 2018. These two new programs will enroll students for Fall 2019.

Co-course Developer, PBHL 510 and 512, Foundations of Public Health, 2017-present

Core faculty on new multi-disciplinary introduction to the theory and practice of public health required for all MPH students. This course provides a strong foundational understanding of key public health concepts, systems and issues with particular attention to the determinants of health, human rights, public health history, and ethics.

Department of Community Health and Prevention MPH Degree, Dornsife School of Public Health, Drexel University, 2015-2017

As department chair, I led an almost two-year long process in redesigning our department's MPH curriculum. This included both administrative and academic tasks. I created a department-based process that included faculty, student, staff, and community voices to evaluate diverse perspectives in our MPH redo. We are currently evaluating the new curriculum, which is now in its second year.

Program in Public Health Ethics and History, Drexel University School of Public Health, 2010-present.

The mission of the program in public health ethics is to train both students in public health ethics through coursework, mentorship, and research with our faculty *and* to develop and nurture original research in this area. We developed a concentration in public health ethics to be offered masters and doctoral level students in the Department of Community Health and Prevention and across the university. In 2019, we will enroll students in our new Master's Degree in Public Health Ethics.

Faculty Director, Drexel University School of Public Health, Public Health Grand Rounds Lecture Series, 2006-2013.

As director of the public health grand rounds program, I have been in charge selecting speakers for our monthly lecture series, supervising administrative staff, and working with the CME office.

Co-course Developer, PBHL 503, History of Public Health of Philadelphia, 2008-2012.

Worked in collaboration with colleagues at the University of Pennsylvania and Temple University to create this class for students at five regional public health programs in the greater Philadelphia area. The class was held at the historic College of Physicians of Philadelphia and examines the health of human populations and the science of improving it in historical perspective. Special attention is given to the city of Philadelphia as a living laboratory of public health in the past and present.

Course Developer and Instructor, PBHL 824, Public Health Ethics, 2007-2015.

This course explores the emergence of this field, its philosophical, historical, and political development, its relationship to the field of human rights, and its future. Emphasis is placed on developing a mastery of the current literature on the subject and on formulating novel approaches in public health ethics.

Course Developer, PBHL 516, Introduction to Public Health: Topics in the History of Public Health, 2005-2016

PBHL 516 was the required introductory course for all of our entering MPH students that I developed for the school beginning in 2005. The course considers the origins of contemporary public health by examining major currents in the history of public health in the United States from Colonial times to the present, with an emphasis on the 20th century.

Teaching

Undergraduate

- PBHL 302: Introduction to the History of Public Health (Winter 2013, Winter 2014, Winter 2015, Winter 2016, Winter 2017, Winter 2019)
- PBHL 298-005: Public Health in History (Winter 2010, 2011 (not taught), 2012)
- UNIV 241: Civil Rights: Law and American Culture (Winter 2009)

MPH Program

- PBHL 510 & 512: Foundations of Public Health (Fall 2017, Winter 2018; Fall 2018, Winter 2019)
- PBHL 503: History of Public Health in Philadelphia (Spring 2009, Winter 2010, Winter 2011, Winter 2012, Fall 2012, Fall 2013)
- PBHL 516: History of Public Health (Fall 2005, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016)
- PBHL Exec Block I: Introduction to Public Health (Summer 2007)

DrPH Program

- PBHL 824: Public Health Ethics (Spring 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015)
- PBHL 809: Community Health Policy Development and Analysis (Fall 2006, Spring 2006)
- PBHL 805: Qualitative Research in Community Health (Winter 2006)
- PBHL 801: Theory and Practice of Community Health and Prevention (Fall 2006)
- PBHL 822: History, The Historian, and Public Health (Fall 2005)

College of Medicine

- Drexel Medical School, Ethics-Psychiatric Objective Structured Clinical Exam (2009, 2010)
- Drexel Medical School, Medical Genetics, (2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013)
- PBHL Summer Course for MD/MPH Students (Summer 2006)

Inter-University

- PBHL 503, History of Public Health in Philadelphia, College of Physicians of Philadelphia (2007, 2008, 2009, 2010, 2011, 2012)
- Global Health Ethics, Ben Gurion University, Beer Sheeva, Israel (Summer 2014, 2015, 2016, 2017)

Advising

Post-Doctoral Trainees

John Rossi, VMD, MBE
Pfizer Postdoctoral Fellow, 2010-2012
Project Title: *Ethical & Policy Issues in Autism Risk Communication*

Current Doctoral Students

Idris Robinson, MPH
DrPH Student, 2017-present.
Tentative Project: Health Disparities in Prostate Cancer Diagnosis in a Cuban Population

Tamara Garfield, MA
DrPH Student, 2017-present.
Tentative Project: Autism Over the Life Course

Doctoral Dissertation Committees

As Committee Chair	
Evelyn Arana (2017) (Currently post-doctoral fellow, CUNY Public Health)	RACIAL & ETHNIC DISPARITIES IN MAMMOGRAM FREQUENCY AMONG WOMEN WITH INTELLECTUAL DISABILITIES: AN EXPLANATORY MIXED METHODS APPROACH
Jennifer Breaux (2011) (Currently Assistant Teaching Faculty and Director of Undergraduate Education, Dornsife School of Public Health, Drexel University)	MATERNAL EMPLOYMENT, RECEIPT OF CHILDCARE SUBSIDIES AND HEALTH: THE DE-STIGMATIZATION OF SINGLE MOTHERS AND THEIR CHILDREN FROM MARGINALIZATION TO SELF-SUFFICIENCY
As Committee Member	
Alexandra Budenz (2018) (Currently post-doctoral fellow, National Cancer Institute)	THE NEW AGE OF STIGMA AND SOCIAL SUPPORT: A MIXED-METHODS ANALYSIS OF SOCIAL MEDIA COMMUNICATION ABOUT MENTAL HEALTH
Salina Mohanty (2017) (Currently post-doctoral fellow, University of Pennsylvania)	PEDIATRICIAN RESPONSE TO PARENTAL REQUESTS TO DELAY OR REFUSE CHILDHOOD IMMUNIZATION
Anna Wallace (2016)	ASSISTED CONCEPTION AND RISK OF AUTISM SPECTRUM DISORDER IN A LARGE COMMERCIALY INSURED POPULATION IN THE UNITED STATES
Allison Tartaglia (2016)	SOCIAL, SITUATIONAL AND PSYCHOLOGICAL FACTORS LINKED TO CAMPUS SEXUAL ASSAULT
Nicole Gidaya (2014)	THE EFFECT OF UTERO EXPOSURE TO BETA-2 ADRENERGIC RECEPTOR AGONISTS AND SELECTIVE SEROTONIN REUPTAKE INHIBITORS (SSRI) ON THE RISK FOR AUTISM SPECTRUM DISORDERS (ASD)
Jonathan Cass (2015)	WHAT IS THE "WESTERN PATTERN?" REFINING FACTOR-DERIVED DIETARY PATTERN FROM THE NHANES FOOD FREQUENCY QUESTIONNAIRE USING 24 HOUR DIETARY RECALL DATA
Tanya Lewis-Walls (2013)	RELATIONSHIP BETWEEN PSYCHOSOCIAL FACTORS AND DIABETES TESTING COMPLIANCE IN AN INSURED POPULATION

Service

University Service

Department of Community Health and Prevention, Drexel University, School of Public Health, Philadelphia, PA

- Co-Chair, Faculty Search Committee, Assistant/Associate Level Professor Position, 2016
- Member, Faculty Search Committee, Assistant/Associate Level Professor Position, 2012, 2013, 2014.
- Member, Faculty Search Committee, Urban Health Cluster, 2014.
- Member, Faculty Search Committee, Assistant Level Professor Position, 2013.
- Member, Faculty Search Committee, Full/Associate Level Professor Position, 2008.
- Participant, Good Behavior Game Initiative, 2006-2007.
- Co-Chair, Faculty Search Committee, Associate Professor Position, 2005-2006.
- Co-Chair, Faculty Search Committee, Assistant Professor Position, 2005-2006.
- Member, Education Coordinating Committee, 2005-2006.
- Faculty Advisor, 42 MPH Students, 2004-Present.

School of Public Health & Drexel University, Philadelphia, PA

- Chair, Provost Committee on Elevating the Arts, Social Sciences, and Humanities at Drexel, 2017-present.
- Co-Chair, Committee on Undergraduate Education, Drexel University SPH, 2018-present.
- Member, Dean's Executive Committee, Drexel University SPH, 2014-present.
- Member, Executive Committee of the Faculty, Drexel University SPH, 2011-2016.
- Member, Undergraduate Task Force, Drexel University SOG, 2011-2013.
- Member, Senate Committee on Faculty Affairs, Drexel University, 2008-2014.
- Member, Admissions Committee, Drexel University SPH, 2008-2011.
- Member, Steering Committee, School of Public Health Strategic Plan Committee, 2008-2010.
- Attendee, Conference on Implications of Genomics for Public Health, Institute of Medicine/National Academies of Science, October 2004.

Regional Service

Newborn Screening Technical Advisory Board, Commonwealth of Pennsylvania, Department of Health.

Chair, 2018-present

Co-chair, 2017-present

Board Member, 2010-present

Lead a group of interdisciplinary health scientists and clinicians to advise and make recommendations on issues related to program administration, diagnostic testing, technical support, follow-up, and outreach for the Pennsylvania Department of Health's Newborn Screen and Follow-Up Program.

Consulting Scholar, University of Pennsylvania Museum of Archeology and Anthropology, University of Pennsylvania, Philadelphia, PA.

Consulting Scholar, 2013-present

Working with Museum curators and staff to develop an exhibit on the history of race in the sciences. Was content advisor on small pilot exhibit entitled "Making and Unmaking Race" that is currently on exhibit at the Museum.

Penn Program on Race, Science & Society, University of Pennsylvania

Working Group Member, October 2014-present

Group examines, through meetings and colloquia, the role of race in scientific studies.

Spark, Philadelphia, PA

Board Member, 2012-2014

Advisory board member for Spark Philadelphia, a national non-profit organization that provides life-changing apprenticeships to youth in underserved communities across the United States.

Provost Seminar in Bioethics, University of Pennsylvania.

Member, 2010-2011

Year-long seminar to examine the history and activities of bioethics commissions.

National Service

Consulting Scientist, Board of Life Sciences, National Academies of Sciences, Washington, D.C.

2017-present

Advising NAS research staff on a study examining current use of the concept of race in both scientific and clinical research settings with a goal of identifying alternative methods for studying human genetic diversity as it relates to human evolutionary history and health.

History of Vaccines: A Project of the College of Physicians of Philadelphia, Philadelphia, PA

Editorial Advisory Board Member, 2009-present

The History of Vaccines project is an informational, educational website that seeks to provide a living, changing chronicle of the history of vaccination, from pre-Jennerian variolation to the present. The site aims to increase public knowledge and understanding about the nature of vaccines and the role they have played in the history of human health.

Special Interest Group, Autism Social, Ethical, and Legal Research Special Interest Group, International Meeting for Autism Research (IMFAR)

Co-Convener, 2012-2014.

As part its annual meeting, our special interest group was selected by the International Society for Autism Research to help develop research, collaboration, and mentorship in this area. The group will remain active for three years as part of this meeting.

Local Arrangements Committee, American Association for the History of Medicine, Annual Conference, Philadelphia, PA
Secretary, 2010-2011.

The Local Arrangements Committee is responsible for all planning related to the annual meeting of the AAHM, the preeminent organization for historians of medicine and public health.

Ethics of Vaccines Project, University of Pennsylvania, Center for Bioethics, Philadelphia, PA.
Member, 2005-2012

The Ethics of Vaccines Project is an ongoing effort to examine the vaccine field and propose an ethical framework to help guide researchers, pharmaceutical companies, public health agencies, health care providers and citizens regarding vaccines and their safe, effective and ethical use.

Center for Responsible Genetics, Cambridge, MA
Consultation and Research, 2008-2009

Authored a briefing paper on the history of the biological race concept for a Center project funded by the Ford Foundation for a series of briefing papers on race and genetics. The paper was published in the Center's online magazine *GeneWatch*, and is written for an audience of racial justice activists and educated citizens.

Fred Friendly Seminars, New York, NY.
Science Content Advisor, 2002

Developed science content for the viewer's guide for *Our Genes/ Our Choices*, a three-part Fred Friendly Seminars series for PBS. In May 2003, the viewer's guide was honored with the Best Periodical Award from the Association of Educational Publishers.

Woodrow Wilson National Fellowship Foundation, Leadership Program for Teachers, Princeton, NJ.

Director of Policy and Ethics Curriculum, 2002

Responsible for teaching the policy and ethics component of the Foundation's summer institute on comparative genomics. The Institute was designed to provide high school teachers with a solid grounding in field and laboratory research techniques, and a strong understanding of policy and ethical issues as they relate to the genome.

National Center for Science Literacy, Education, and Technology, American Museum of Natural History, New York, NY.

Policy and Ethics Consultant, 2002

Genome policy and ethics work on outreach materials for Fred Friendly Seminars series on genomics.

National Center for Science Literacy, Education, and Technology, American Museum of Natural History, New York, NY.

Ethicist, 2001

Online ethicist for a course on the Human Genome Project.

Peer Review Activities

Editorial/Book Peer Review

- American Sociological Review
- Autism
- Clinical Pharmacology and Therapeutics
- Disaster Medicine
- MIT Press
- Anthropological Quarterly
- Journal of Public Health Policy
- Social Science and Medicine
- Review of Policy Research
- Rutgers University Press
- History of the Human Sciences
- Vaccine
- Pennsylvania Historical Society
- Johns Hopkins University Press
- Journal of the History of Medicine and Allied Sciences
- Neurodevelopmental Genetics
- PLOS Biology
- PLOS Genetics
- Journal of the History of Biology
- Oxford University Press
- American Journal of Public Health
- Journal of General Internal Medicine
- Public Health Reports

Grant Peer Review

- Medical Research Council of the United Kingdom - Peer Referee for the Council's Triage: Neurosciences and Mental Health Board (t-NMHB).
- Social Science Research Council Canada - Grant Reviewer for the Council's Insight Grant Program.
- Cure Kids New Zealand – Peer Review for the Charity's Better Start National Science Challenge Grant Program.

Professional Memberships

- American Association for the History of Medicine, 2009-Present
- American Public Health Association: Member, 2005-Present
- American Historical Association: Member, 2005-2015, 2017-present.
- American Society for Bioethics and Humanities: 2008-2014