

# Michael A. Yudell, PhD, MPH

## Academic Appointments

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**Current**      **Assistant Professor**  
**Department of Community Health and Prevention**  
**Drexel University School of Public Health**  
1505 Race Street  
Bellet Building, 11<sup>th</sup> Floor  
Philadelphia, PA 19102-1192

## Education

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- 1999-2008**    **Columbia University**, New York, NY.  
Mailman School of Public Health.  
Program in the History and Ethics of Public Health.  
Ph.D., Sociomedical Sciences, 2008.  
Dissertation: "Making Race: The Evolution of the Biological Race Concept in 20<sup>th</sup> Century American Thought" (*Awarded Distinction*).
- 1996-2004**    **The American Museum of Natural History**, New York, NY.  
Molecular Laboratories.  
Researcher.
- May 2001-  
Jan. 2002**    **National Institute of Environmental Health Sciences**, Research Triangle Park, NC.  
Health Policy Analyst, Program in Environmental Health Policy and Ethics.
- May 2001**     **Columbia University**, New York, NY.  
Master in Public Health, Sociomedical Sciences.  
Thesis: "Race and the Genomics Revolution"
- Feb. 1998**    **City University of New York, Graduate Center**, New York, NY.  
M.Phil. in American History.
- May 1990**     **Tufts University**, Boston, MA.  
B.A. in History and Soviet Studies.

## Awards and Honors

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- Dissertation Awarded Distinction and Nominated for Bancroft Dissertation Award, Columbia University, 2008
- Golden Apple Teaching Award, Drexel University School of Public Health, 2007.
- Library Resident Research Fellow, American Philosophical Society, Philadelphia, PA. Summer 2004.
- University Scholarship, Department of History, CUNY Graduate Center.
- Magna Cum Honore, Tufts University.
- Dean's List, Tufts University.

## Teaching Experience

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### Drexel University, School of Public Health, Philadelphia, PA

- Graduate Research Supervision, 2004-Present
  - Doctoral Thesis Research: 2 Students
  - Master's Thesis Research: 8 Students
  
- Instructor
  - PBHL 822: Public Health Ethics (Spring 2008)
  - PBHL 516: Introduction to Public Health (Fall 2005, Fall 2007)
  - PBHL Exec Block I: Introduction to Public Health (Summer 2007)
  - PBHL 801: Theory and Practice of Community Health and Prevention (Fall 2006)
  - PBHL Summer Course for MD/MPH Students (Summer 2006)
  - PBHL 811: Practicum
  - PBHL 809: Community Health Policy Development and Analysis (Fall 2006, Spring 2006)
  - PBHL 805: Qualitative Research in Community Health (Winter 2006)
  - PBHL 822: History, The Historian, and Public Health (Fall 2005)
  - PBHL Block IV: Health Behavior/Health Promotion (Spring 2005)

### Hunter College, Department of History, New York, NY

- Instructor
  - Early American History (1994, 1995)

## Books

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

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

## Articles

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Yudell, M. "Public Health Ethics: An Update on an Emerging Field" in the *Penn Bioethics Reader*, Vardit Ravitsky, Autumn Fiester, and Arthur Caplan, eds. (Forthcoming, Springer, 2008).

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. "Genomics Is Revolutionizing Lymphoma Research," *Lymphoma Today*, 4(Winter 2006) pp.8,10.

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**

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Yudell, M. "Science as 'Soma': Biology and Beyond in a Brave New World."

Yudell, M. and M. Gold. "What is Public Health?"

Yudell M. and J. Colgrove. "History, Historical Methods, and Public Health Ethics: A New Synthesis."

Chyatte, M. and M. Yudell. "Guiding Uncomfortable Decisions While Defining Public Health Ethics: The Divisive Debate Over Nuclear Waste Storage At Yucca Mountain."

### **Invited Talks and Lectures**

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*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.

*The Ethical and Policy Implications of Genomics*, Drexel University College of Nursing and Health Professions, Guest Lecture, Physician Assistants Program, November 2005.

*The Ethical and Public Health Implications of the Human Genome*, Drexel University School of Medicine, November 2005.

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

*Welcome to the Genome*, American Museum of Natural History, New York, NY, December 2004.

*Genomics and the Public's Health: Opportunities and Challenges Ahead*, Grand Rounds, Drexel University School of Public Health, Philadelphia, PA, November 2004.

*The Human Genome Project: Implications for the Future*, Autism Society of America, Manhattan Chapter, New York, NY, January 2004.

*The Genomic Revolution*, Chesterfield County Public Schools, Richmond, VA, October 2003.

*Welcome to the Genome*, Princeton University, Woodrow Wilson National Fellowship Foundation Genome Workshop, Princeton, NJ, July 2003.

*The Genomic Revolution*, American Museum of Natural History, New York, NY, April 2003.

*The Coming Age of Genomic Medicine: Promises and Challenges*, North Carolina Museum of Natural Science, Raleigh, NC, May 2002.

*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.

*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.

## **Service**

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### **UNIVERSITY SERVICE**

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

- 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, 15 Students, 2004-Present.

**School of Public Health, Drexel University, Philadelphia, PA**

- Faculty Supervisor, Public Health Grand Rounds Lecture Series, 2006-Present
- Guest Lecture, Historical Methods, PBHL 805, August 1, 2005.
- Guest Lecture, Public Health Genomics, Block 1A, November 5, 2004.
- Guest Lecture, Qualitative Methods, Concentration Seminar, December 1, 2004.
- Attendee, Conference on Implications of Genomics for Public Health, Institute of Medicine/National Academies of Science, October 2004.

### **NATIONAL AND REGIONAL SERVICE**

**Ethics of Vaccines Project, University of Pennsylvania, Center for Bioethics, Philadelphia, PA.**

Member, 2005-Present

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.

**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. The series, which aired nationwide in January 2003, seeks to engage the American public in dialogue about the rapidly changing world of genetics and genetic medicine. In May 2003, the viewer's guide was honoured 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.

## **Grants**

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### **SUBMITTED**

#### **R13 – NIH/National Institute of Environmental Health Science**

"Ethics of Communicating Scientific Findings on Autism Risk"

Yudell (co-PI)

*Pending*

Proposed two-day workshop to support a meeting of stakeholders to examine the ethical issues involved in autism spectrum disorder research and dissemination of findings.

#### **RFA – Environmental Sciences Research – Autism Speaks**

"Ethics of Communicating Scientific Findings on Autism Risk"

Yudell (co-PI)

*Pending*

Proposed two-day workshop to support a meeting of stakeholders to examine the ethical issues involved in autism spectrum disorder research and dissemination of findings.

### **IN DEVELOPMENT**

#### **R03 – NIH/National Human Genome Research Institute**

Yudell (PI)

This study proposes to examine historical categorizations of racial groupings and their influence on the modern race concept.

#### **National Endowment for the Humanities – Collaborative Research Grant**

Yudell (PI)

Grant to support collaborative research with Dr. Mary Jeanne Kreek, Head of Laboratory of Biology of Addictive Diseases at Rockefeller University, examining the historical foundations of modern treatment for opiate addictions. Research proposed will also explore ethical challenges specific to this line of research.

#### **National Science Foundation – Ethics Education in Science and Engineering**

Program proposed to train doctoral students to teach courses in public health ethics to public health workers.

### **Professional Memberships**

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American Public Health Association: Member, 2005-Present

American Historical Association: Member, 2005-Present

American Society for Bioethics and Humanities: 2008-Present