



## Duana Fullwiley

Associate Professor of Anthropology

 Curriculum Vitae available Online

### Bio

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#### BIO

I am an anthropologist of science and medicine interested in how social identities, health outcomes, and molecular genetic findings increasingly intersect. In my first book, *The Enculturated Gene: Sickle Cell Health Politics and Biological Difference in West Africa* (Princeton, 2011), I draw on over a decade of ethnographic fieldwork in the US, France and Senegal. By bringing the lives of people with sickle cell anemia together with how the science about them has been made, *The Enculturated Gene* weaves together postcolonial genetic science, the effects of structural adjustment on health resources, and patient activism between Senegal and France to show how African sickle cell has been ordered in ethnic-national terms at the level of the gene. This work is situated within a larger conversation on ethics, power, and the ways that human biological material, within the context of culture, is rarely apolitical. *The Enculturated Gene* has won the Royal Anthropological Institute's 2011 Amaury Talbot Prize for the most valuable work of African Anthropology and the American Anthropological Association's 2014 Robert B. Textor and Family Prize for Excellence in Anticipatory Anthropology.

Since 2003, I have also conducted multi-sited field research in the United States on emergent technologies that measure human genetic diversity among populations and between individuals. As an outgrowth of this research, I have become particularly interested in how scientists promote civic ideas of "genetic citizenship," how they enlist participant involvement in specific disease research problems, and how they also contribute to social movements of historical reckoning. In its detail, this second book project explores how U.S. political concepts of diversity, usually glossed as "race," function in genetic recruitment protocols and study designs for research on complex diseases, "tailored medicine," ancestry tracing, and personal genomics. This project will also examine the fraught relationship between private property and personal privacy with regards to biogenetic data.

My work has been funded by the National Science Foundation, the Robert Wood Johnson Foundation, the Social Science Research Council, the Andrew and Florence White Fellows program in Medicine and the Humanities, the Ford Foundation, and the Wenner-Gren Foundation for Anthropological Research. I have also been an invited scholar at the Centre de Sociologie de l'Innovation in Paris (1997-1998, 2000 and 2002), a USIA Fulbright Scholar to Senegal, a fellow at the School of Social Science at the Institute for Advanced Study in Princeton (2004-2005), and a Robert Wood Johnson Health and Society Scholar at the Harvard School of Public Health (2005-2007). I recently completed a Scholars Award in NSF's Science & Society Program to research my second book called *Tabula Raza: Mapping Race and Human Diversity in American Genome Science*.

#### ACADEMIC APPOINTMENTS

- Associate Professor, Anthropology

#### ADMINISTRATIVE APPOINTMENTS

- Associate Professor of Anthropology, Stanford University, (2012- present)
- Associate Professor of Anthropology, Harvard University, (2011-2012)

- Assistant Professor of Anthropology and African-American Studies, Harvard University, (2007-2011)
- Robert Wood Johnson Health and Society Postdoctoral Fellow, Harvard School of Public Health and Department of History of Science, (2005-2007)
- Minority Postdoctoral Research Fellow, National Science Foundation, New York University, (2003-2005)
- Andrew and Florence White Fellow in Humanities and Medicine, University of California, Irvine, (2002-2003)
- Invited Scholar, Ecole des Mines de Paris, Centre de sociologie de l'innovation (CSI), (2002-2002)
- Dissertation Fellow, Townsend Center for the Humanities, University of California, Berkeley, (2001-2002)
- Ford Foundation Doctoral Fellow, National Academies of Science, (2001-2002)
- Research Fellow, Ecole Normale Supérieure, (2001-2002)
- International Dissertation Research Fellowship (IDRF), Social Science Research Council, (2000-2001)
- Invited Scholar, Ecole des Mines de Paris, Centre de sociologie de l'innovation (CSI), (2000-2000)
- Invited Scholar, Ecole des Mines de Paris, Centre de sociologie de l'innovation (CSI), (1997-1997)
- Graduate Fellow, National Science Foundation, (1996-1999)
- Research Assistant, Department of Medical Anthropology, University of California, San Francisco, (1995-1996)
- Research Assistant, Stanford Center for Biomedical Ethics, (1995-1996)
- Junior Research Specialist, Institute for the Study of Social Change, (1994-1996)

## **HONORS AND AWARDS**

- Distinguished Faculty Fellow of Science, Technology and Society, Stanford Interdepartmental Program on Science, Technology and Society (2015-2018)
- Robert B. Textor and Family Prize for Excellence in Anticipatory Anthropology, The American Anthropological Association (2014)
- Amaury Talbot Prize for Most Valuable Work of African Anthropology, The Royal Anthropological Institute (United Kingdom) (2013)
- General Anthropology Division (Award for Exemplary Cross Disciplinary Research (Honorable Mention), The American Anthropological Association (2013)
- NSF Scholars Award (Directorate for Biology and Science and Technology Studies), National Science Foundation (2009-2012)
- Robert Wood Johnson Health and Society Scholar, The Robert Wood Johnson Foundation and Harvard University (2005-2007)
- Rocca Scholar for Advanced African Studies, University of California, Berkeley (1999-2000)
- Louise Patterson Academic Achievement Award, African American Student Development (1994, 1996-1998)
- Graduated summa cum laude (BA), University of California, Berkeley (1994)
- McNair Scholar, University of California, Berkeley (1994)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Member, Phi Beta Kappa National Honors Society (1994 - present)
- Member, The Institute for Advanced Study, Princeton University (2004 - 2005)
- Executive Board Member, Interdepartmental Program in Science, Technology and Society (2012 - 2013)
- Trustee of the Board, Association of Members, Institute for Advanced Study, Princeton New Jersey (2014 - 2018)
- Advisory Panel Member/ Award Selection Committee, Robert B. Textor and Family Prize for Excellence in Anticipatory Anthropology, The American Anthropological Association (2015 - 2018)
- Executive Board Member, Interdepartmental Program in Science, Technology and Society, Stanford University (2015 - present)
- Executive Board Member, Stanford Center for African Studies (2018 - present)
- External grant reviewer, National Science Foundation
- Manuscript reviewer, American Sociological Review
- Manuscript reviewer, Medical Anthropology Quarterly
- Manuscript reviewer, Journal of the History of Medicine and Allied Sciences

- Manuscript reviewer, Science, Technology & Human Values
- Manuscript reviewer, Food and Foodways: Explorations in the History and Culture of Human Nourishment
- Manuscript reviewer, Current Anthropology
- Manuscript reviewer, Social Science & Medicine
- Manuscript reviewer, Biosocieties
- Manuscript reviewer, Ethnicity and Health
- Manuscript reviewer, American Ethnologist
- Manuscript reviewer, Medical Anthropology
- Manuscript reviewer, Journal of Contemporary Ethnography
- Manuscript reviewer, Political and Legal Anthropology Review
- Manuscript reviewer, Journal of Health Care for the Poor and Underserved
- Manuscript reviewer, Science as Culture
- Member, 4S Society for the Social Studies of Science
- Member, American Ethnological Society
- Member, African Studies Association
- Member, American Anthropological Association

## **PROGRAM AFFILIATIONS**

- Science, Technology and Society

## **PROFESSIONAL EDUCATION**

- Ph.D., University of California, Berkeley and San Francisco , Medical Anthropology (2002)
- M.A., University of California, Berkeley , Anthropology (1997)
- B.A., University of California, Berkeley , Social Sciences (1994)

## **Teaching**

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### **COURSES**

#### **2019-20**

- Medical Ethics in a Global World: Examining Race, Difference and Power in the Research Enterprise: ANTHRO 138, ANTHRO 238, CSRE 138 (Spr)
- The Body, Race, and Difference in Contemporary France: OSPPARIS 80 (Aut)
- Writing as Intervention: Science, Medicine, and Ethics in Today's World: ANTHRO 350A (Win)

#### **2018-19**

- Genes and Identity: AFRICAAM 41, ANTHRO 41, CSRE 41A (Spr)
- Technology and Inequality: ANTHRO 132C (Spr)
- Undergraduate Reading Group: ANTHRO 89 (Win)
- Writing as Intervention: Science, Medicine, and Ethics in Today's World: ANTHRO 350A (Win)

#### **2017-18**

- Genes and Identity: AFRICAAM 41, ANTHRO 41, CSRE 41A (Win)
- Medical Ethics in a Global World: Examining Race, Difference and Power in the Research Enterprise: ANTHRO 138, ANTHRO 238, CSRE 138 (Spr)
- Race and Power: The Making of Human Difference in History, Biology and Capital: ANTHRO 345A (Win)

- The Anthropology of Science: Global Politics and Laboratory Life: ANTHRO 367 (Spr)

#### 2016-17

- Prefield Research Seminar: Non-Majors: ANTHRO 93B (Spr)
- Proposal Writing Seminar in Cultural and Social Anthropology: ANTHRO 308 (Spr)
- The Anthropology of Science: Global Politics and Laboratory Life: ANTHRO 367 (Win)

### STANFORD ADVISEES

#### Doctoral Dissertation Reader (AC)

Torin Jones

#### Doctoral (Program)

Nina Dewi Horstmann, Aaron Neiman, Elliott Reichardt

### Publications

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#### PUBLICATIONS

- **Genomics in emerging and developing economies** *HANDBOOK OF GENOMICS, HEALTH AND SOCIETY, 2ND EDITION*  
Fullwiley, D., Gibbon, S., Gibbon, S., Prainsack, B., Hilgartner, S., Lamoreaux, J.  
2018: 228–37
- **Race, genes, power.** *British journal of sociology*  
Fullwiley, D.  
2015; 66 (1): 36-45
- **The "Contemporary Synthesis" When Politically Inclusive Genomic Science Relies on Biological Notions of Race** *ISIS*  
Fullwiley, D.  
2014; 105 (4): 803-814
- **A Heart for the Work: Journeys through an African Medical School (Book Review)** *AMERICAN ANTHROPOLOGIST*  
Book Review Authored by: Fullwiley, D.  
2012; 114 (3): 557-558
- **Can DNA 'Witness' Race?: Forensic Uses of an Imperfect Ancestry Testing Technology** *Race and the Genetic Revolution: Science, Myth and Culture.*  
Fullwiley, D.  
edited by Krinsky, S., Sloan, K.  
Columbia University Press.2011
- **The Enculturated Gene: Sickle Cell Health Politics and Biological Difference in West Africa**  
Fullwiley, D.  
Princeton University Press.2011
- **Revaluating genetic causation: Biology, economy, and kinship in Dakar, Senegal** *AMERICAN ETHNOLOGIST*  
Fullwiley, D.  
2010; 37 (4): 638-661
- **The biologicalist construction of race: 'Admixture' technology and the new genetic medicine** *SOCIAL STUDIES OF SCIENCE*  
Fullwiley, D.  
2008; 38 (5): 695-735
- **Out from under the skin: Disease etiology, biology and society: A commentary on Aronowitz** *SOCIAL SCIENCE & MEDICINE*  
Fullwiley, D.  
2008; 67 (1): 14-17
- **The legitimacy of genetic ancestry tests - Response** *SCIENCE*

- Bolnick, D. A., Fullwiley, D., Marks, J., Reverby, S. M., Kahn, J., Tallbear, K., Reardon, J., Cooper, R. S., Duster, T., Fujimura, J. H., Kaufman, J. S., Morning, A., Nelson, et al  
2008; 319 (5866): 1039-1040
- **Can DNA 'Witness' Race: Forensic Uses of an Imperfect Ancestry Testing Technology** *Genewatch*  
Fullwiley, D.  
2008; 21 (3-4): 12-14
  - **The Molecularization of Race and Institutions of Difference: Pharmacy and Public Science after the Genome** *Revisiting Race in a Genomic Age*  
Fullwiley, D.  
edited by Koenig, B. A., Lee, S. S., Richardson, S.  
Rutgers University Press.2008: 149-171
  - **Racial categories in medical practice: How useful are they?** *PLOS MEDICINE*  
Braun, L., Fausto-Sterling, A., Fullwiley, D., Hammonds, E. M., Nelson, A., Quivers, W., Reverby, S. M., Shields, A. E.  
2007; 4 (9): 1423-1428
  - **The Science and Business of Ancestry Testing** *Science*  
Bolnick, D. A., Fullwiley, D., Duster, T., Cooper, R. S., Fujimura, J. H., Kahn, J., Kaufman, J. S., Marks, J., Morning, A., Nelson, A., Ossorio, P., Reardon, J., Reverby, et al  
2007; 318 (5849): 399-400
  - **The Molecularization of Race: Institutionalizing Racial Difference in Pharmacogenetics Practice** *Science as Culture*  
Fullwiley, D.  
2007; 16 (1): 1-30
  - **Race and Genetics: Attempts to Define the Relationship** *Biosocieties*  
Fullwiley, D.  
2007; 2 (2): 221-237
  - **Biosocial Suffering: Order and Illness in Urban West Africa** *Biosocieties*  
Fullwiley, D.  
2006; 1 (4): 421-438
  - **Discriminate biopower and everyday biopolitics: views on sickle cell testing in Dakar.** *Medical anthropology*  
Fullwiley, D.  
2004; 23 (2): 157-194
  - **Contingencies of illness: the cultural politics of sickle cell trait suffering in Senegal** *La drépanocytose: Regards croisés sur une maladie orpheline*  
Fullwiley, D.  
edited by Lainé, A.  
Paris: Karthala.2004: 243-277
  - **Race, biologie et maladie: la difficile organisation des patients atteints de drepanocytose aux Etats-Unis. (Race, Biology, and Illness: Barriers to Sickle Cell Patient Group)** *Sciences Sociales et Sante*  
Fullwiley, D.  
1998; 16 (3): 129-157