

DUANA FULLWILEY

CURRICULUM VITAE

RESEARCH

Based on multi-sited ethnography, my work queries how global and historical notions of health, disease, race, and power yield biological consequences that bear on present definitions of human difference. My geographical areas of interest include France, Senegal, and the U.S.

EDUCATION

- Ph.D. University of California, Berkeley and University of California, San Francisco, Medical Anthropology
PhD Advisor: Paul Rabinow
Committee: Philippe Bourgois, Troy Duster, Nancy Scheper-Hughes 2002
- M.A. University of California, Berkeley, Anthropology 1997
B.A. University of California, Berkeley, Social Sciences 1994

POSTS

- 2007-present Assistant Professor of Anthropology and African and African-American Studies, Harvard University
- 2005-2007 Postdoctoral fellow, Harvard School of Public Health and History of Science
- 2003-2004/5 National Science Foundation Postdoctoral Fellow, New York University, Department of Anthropology
- 1997, 2000, 2002 Invited Scholar, *Ecole des Mines de Paris, Centre de sociologie de l'innovation (CSI)*

FELLOWSHIPS AND GRANTS

- 2009-2011 *National Science Foundation, Scholars Award (Science & Society Section)*
- 2008-2009 *Africa Initiative Faculty Grant, Harvard University*
- 2006-2007 *Robert Wood Johnson Foundation, seed grant*
- 2005-2007 *Robert Wood Johnson Health and Society Scholar, Harvard University*
- 2004-2005 *The Institute for Advanced Study, Member, Princeton, New Jersey*
- 2003-2004 *National Science Foundation Minority Postdoctoral Research Fellowship*
- 2002-2003 *UC Irvine Andrew and Florence White Fellow in Humanities and Medicine*
- 2001-2002 *Ford Foundation Doctoral Fellow (National Academies of Science)*
- 2001-2002 *UC Berkeley Townsend Center for the Humanities Dissertation Fellow*
- 2001-2002 *Ecole Normale Supérieure Research Fellow (as part of Dr. Paul Rabinow's Chaire Blaise Pascal)*
- 2000-2001 *Social Science Research Council IDRF Fellow*
- 2000-2001 *Wenner-Gren Foundation for Anthropological Research small grant*
- 1999-2000 *USIA Fulbright Scholar to Senegal*
- 1999-2000 *National Science Foundation Dissertation Grant (STS)*
- 1999-2000 *UC Berkeley Rocca Scholar for Advanced African Studies*
- 1996-1999 *National Science Foundation Graduate Fellow*
- 1997-1998 *UC Berkeley Bloc Research Grant for fieldwork in Paris*
- 1996-1997 Selected, *Andrew W. Mellon Fellowship in Humanistic Studies (declined)*
- 1996-1999 Selected, *Ford Foundation Pre-dissertation Fellowship (declined)*

HONORS

- 1994 UC Berkeley *McNair Scholar*
- 1994 Graduated *summa cum laude* (BA)
- 1994 Elected, *Phi Beta Kappa National Honors Society*
- 1994, 1996-1998 *Louise Patterson Academic Achievement Award*

PUBLICATIONS

ARTICLES IN PEER-REVIEWED JOURNALS

- 2008 Fullwiley, Duana. The Biological Construction of Race: "Admixture" Technology and the New Genetic Medicine, *Social Studies of Science* 38(5): 695-735. For full paper go to: <http://sss.sagepub.com/cgi/reprint/38/5/695>
- 2007 Deborah A. Bolnick, Duana Fullwiley, Troy Duster, Richard S. Cooper, Joan H. Fujimura, Jonathan Kahn, Jay S. Kaufman, Jonathan Marks, Ann Morning, Alondra Nelson, Pilar Ossorio, Jenny Reardon, Susan M. Reverby, Kimberly TallBear. The Science and Business of Ancestry Testing, *Science* 318 (5849): 399-400.
- 2007 Lundy Braun, Duana Fullwiley, Anne Fausto-Sterling, Evelyn M. Hammonds, Alondra Nelson, William Quivers, Susan M. Reverby, & Alexandra Shields. Racial categories in medical practice: How useful are they?, *PLOS Medicine* 4(9): 1423-1428.
- 2007 Fullwiley, Duana. Race and Genetics: Attempts to Define the Relationship. *Biosocieties* 2(2): 221-237. For full paper go to: http://www.fas.harvard.edu/~aas/pdf/race_and_genetics_article_fullwiley.pdf
- 2007 Fullwiley, Duana. The Molecularization of Race: Institutionalizing Racial Difference in Pharmacogenetics Practice. *Science as Culture* 16(1): 1-30.
- 2006 Fullwiley, Duana. Biosocial Suffering: Order and Illness in Urban West Africa. *BioSocieties* 1(4): 421-438.
- 2004 Fullwiley, Duana. From Discriminate Biopower to Everyday Biopolitics: Views on Sickle cell Testing in Dakar. *Medical Anthropology* 23(2):157-194.
- 1998 Fullwiley, Duana. Race, biologie et maladie: la difficile organisation des patients atteints de drépanocytose aux Etats-Unis. (Race, Biology, and Illness: Barriers to Sickle Cell Patient Group Organization in the United States). *Sciences Sociales et Santé* 16(3): 129-157.

BOOK CHAPTERS

- 2008 Fullwiley, Duana. The Molecularization of Race and Institutions of Difference: Pharmacy and Public Science after the Genome (edited reprint of Science as Culture article). In *Revisiting Race in a Genomic Age*. (Studies in Medical Anthropology). Barbara A. Koenig, Sandra Soo-Jin Lee, and Sarah Richardson (eds). Rutgers University Press, pp. 149-171.
- 2004 Fullwiley, Duana. Contingences de la maladie: les politiques culturelles de la souffrance en regard du trait drépanocytaire AS au Senegal. (Contingencies of illness: the cultural politics of sickle cell trait suffering in Senegal) in Agnès Lainé (ed.) *La drépanocytose: Regards croisés sur une maladie orpheline* (Paris: Karthala), pp. 243-277.

COMMENTARIES/REVIEWS

- 2008 Bolnick, Deborah A., Duana Fullwiley, Jonathan Marks, Susan M. Reverby, Jonathan Kahn, Kimberly Tallbear, Jenny Reardon, Richard S. Cooper, Troy Duster, Joan H. Fujimura, Jay S. Kaufman, Ann Morning, Alondra Nelson, and Pilar Ossorio. The Legitimacy of Genetic Ancestry Tests. *Science* 22 February 319: 1039-1040.
- 2008 Fullwiley, Duana. Out From Under the Skin: Disease Etiology, Biology, and Society: A Commentary on Robert Aronowitz. *Social Science & Medicine* 67(1): 14-17.
- 2008 Fullwiley, Duana. Can DNA 'Witness' Race?: Forensic Uses of an Imperfect Ancestry Testing Technology, *Genewatch*, from *The Council on Responsible Genetics*, 21(3-4): 12-14. For full paper go to: www.gene-watch.org/genewatch/fullpaper_Duana_Fullwiley.pdf

MONOGRAPHS IN PREPARATION

The Enculturated Gene: Sickle Cell Health Politics and Biological Difference in West Africa (Forthcoming, Princeton University Press, 2011)

Mark(er)ing Difference: Mapping Race and Human Diversity in American Genome Science (Research ongoing)

INVITED TALKS/LECTURES

"Claims of African Specificity and 'Mild' Sickle Cell Anemia in Postcolonial Genetic Science." Department of Anthropology, lecture for Manduhai Buyandelger and Erica James' course *How Culture Works*. MIT, April 13, 2010.

"Minorities' DNA and the Politics of Race Markers in the Genomic Age." Lecture for Michel DeGraff, Erica James and Elaine Lee's course *Black Matters: Introduction to Black Studies*. MIT. March 4, 2009.

"Economy and Affect: Sickle Cell Trait Suffering in Dakar." African Studies Workshop, University of Chicago. May 15, 2007.

"Kinship, Economy and Genetics: Peopling the Pedigree of the Senegalese Haplotype and Mild Sickle Disease in West Africa." Friday Morning Seminar in Social Medicine and Medical Anthropology, Harvard University. March 9, 2007.

"Better Life:' Senegalese 'Mild' Sickle Cell Disease in Urban Dakar." Brown University Working Group on Anthropology and Population. December 1, 2006.

"Race, Gender, and Science." Brandeis University, Department of Chemistry, NSF Summer Program on Interdisciplinary approaches to Chemistry. August 4, 2006.

"The Biological Construction of Race: 'Admixture' Technology and the New Genetic Medicine." Harvard University, Department of Anthropology, Spring Lecture Series. April 17, 2006.

"The Enculturated Gene: Sickle Cell Anemia and Its Bodily Forms in Dakar, Senegal." Cornell University, Department of Science and Technology Studies, Spring Lecture Series. March 27, 2006.

"Making up Populations: Race, Ancestry, and 'Rational' Medicine." Stanford University, Stanford Humanities Center Research Workshops. May 9, 2005.

"The Enculturated Gene: Senegalizing 'Mild' Sickle Cell in West African Circuits of Science." New York University, Department of Anthropology Spring colloquium. March 22, 2005.

"The Bio-logistical Construction of Race: Markering Difference for 'Minority' Disease, Health and Markets." Harvard University, Department of the History of Science, Spring Lecture Series. March 1, 2005.

"Minority DNA: Scientific Activism and the Molecularization of Race." Yale University, Departments of African American Studies and Sociology, Health, Race, and Medicine Seminar Series. December 1, 2004.

"Attitudes, Haplotypes and Other Things 'Senegalese': Circuits of Sickle Difference and Scientific Dissonance in Dakar." McGill University, Department of the Social Studies of Medicine, Fall Seminar Series. October 13, 2004.

"Genetic Modifications and Senegalese Takes on Life." University of Minnesota conference on "Medicine/Culture/Power: Medical Anthropology for the 21st Century." October 17, 2002.

SELECT PAPER PRESENTATIONS

"The Powers of Genetic Associations and Enculturated Genes." Paper presented at *Embodiments of Science* conference/workshop. Organizers: Nadia Abu El-Haj, Elizabeth Povinelli and Rebecca Young. Barnard College and Columbia University. November 6-7, 2009.

"Ancestral chromosomes and the New Politics of Proportioning Race and Risk in the U.S. Today." Paper presented for Les catégories de *sexe* et de *race* dans les sciences biomédicales contemporaines colloquium. UFR de Philosophie, Université Paris 1 Panthéon-Sorbonne. May 29, 2009.

"Ancestral Chromosomes and the New Politics of Proportioning Race and Risk in the U.S. Today." Paper presented for International Symposium on Human Genomic Diversity and Biomedical Practice, BIOS Centre, London School of Economics. March 27, 2009.

"Mild' Sickle Cell Disease in Dakar: Biology, Economy, and Medical Genetics." Paper presented for an Invited Session, Society for Medical Anthropology, on "Bodies and Economies: Ethnographies of Value in Biomedicine and Global Health," American Anthropological Association annual meeting, Washington DC, November 30, 2007.

"Nomenclatures of Nation, Nature, and Disease: African Sickle Cell Haplotype Mapping, 1984-Present." African Studies Association annual meeting, New York, October 19, 2007.

"Environments of Human Practice on the Future of Race Thinking." Paper presented at *Genome Canada*, Quebec City, October 18, 2007

"Associative Networks: Family, Genetics, and Social Support for Sickle Cell Patients in the Southern Hemisphere." Paper presented at the 3rd International Congress of the RFLD (*Réseau Francophone de Lutte contre la Drépanocytose* [Francophone Network for the Fight against Sickle Cell Disease.]) Dakar, Senegal, November 2006.

"The Biological Construction of Race." Paper presented for an Invited Session, Society for Cultural Anthropology, I organized on "The Molecularization of Race and Identity" at the American Anthropological Association annual meeting. Washington DC, December 1, 2005.

"Localized Biologies: French Geo-Genetic Typing and the Political Bounds of Disease Nomenclature." Paper presented for a panel organized by Helen Tilley and Nancy Rose Hunt on "Ethnographic Turns and Cognitive Dissonance: Exploring Science, Magic, Healing, and Race" at the African Studies Association annual meeting. Washington DC, November 2005.

"Capacities and Powers: Concepts of Genetic Screening from Oakland to Dakar (via Paris)." Paper presented at the 2nd International Congress of the RFLD (*Réseau Francophone de Lutte contre la Drépanocytose* [Francophone Network for the Fight against Sickle Cell Disease.]) Cotonou, Benin, West Africa. January 21, 2004.

"Rationales of Tailored Medicine: Race and Pharmacy in the Post-Genomic Age." Paper presented for a panel I organized on "Pharmaco-ontologies: Newer Definitions of Human and Drug Specificity" at the American Anthropological Association annual meeting. Chicago, IL, November 2003.

"Sickle Cell Science in Dakar: Vitalism via Optimism in the Arboreal (pharmacopoeia)." Paper presented for a panel organized by Mariane Ferme and Janet Roitman on "Afro-Empiricities/Afro-theoria" at the African Studies Association annual meeting. Boston, MA, October 2003.

"Reflections on 'Population' as 'Race' in Rational Therapeutics (Pharmacogenomics.)" Paper Presented at the National Academies, Ford Fellows Conference. San Juan, Puerto Rico, October 2003.

FIELDWORK EXPERIENCE

Postdoctoral Research 5/06-present

Location: Dakar, Senegal. Research: fieldwork exploring the "illness of sickle cell trait" in Senegalese patients. This condition, which is understood as a "benign carrier status" in the American medical literature, is experienced as a less severe form of sickle cell disease in Dakar, Senegal. This fieldwork explores the literal embodiment of genetic knowledge, its symptoms and consequences for local medical practice.

Postdoctoral Research 01/03-present

Location: United States. Research: fieldwork on scientists developing pharmacogenomics, personalized genomes, and genetic technologies with implications for concepts of race in drug therapy, disease risk, and ancestral identity testing. Principle sites: American academic, basic science research laboratories.

Dissertation Fieldwork 09/99-8/00; 11/00-03/01

Location: Dakar, Senegal, West Africa. Research: fieldwork on sickle cell anemia science as it is reworked by Senegalese biomedical researchers and their patients. Principle sites: Albert Royer Children's Hospital, the National Blood Transfusion Center, the Fannock Traditional Healing Clinic, the National Archives, and popular market places.

Dissertation Fieldwork 06/97-1/98; 08/00-11/00; 01/02-06/02

Location: Paris, France. Research: fieldwork on sickle cell anemia scientific collaborations between Senegalese and French medical geneticists. Principle sites: Hospitals Tenon and Henri Mondor, URACA African and Arab immigrant community center, SOS Globi and APIPD sickle cell patient advocate organizations.

RESEARCH ASSISTANTSHIPS

Research Assistant, 10/95-10/96

**Dept. of Medical Anthropology, University of California, San Francisco (UCSF)
and Stanford Center for Biomedical Ethics (SCBE), Palo Alto, CA**

Job tasks: on Barbara Koenig's NIH and Open Society funded "Death and Dying in the African-American

Community," I conducted fieldwork at San Francisco General and Oakland Highland Hospitals, hospices, and peoples' homes to learn how African-Americans who have terminal disease make end of life choices.

Junior Research Specialist, 09/94-01/96

Institute for the Study of Social Change, Berkeley CA

Job tasks: on Troy Duster's DOE funded, "Pathways to Genetic Screening" I worked as a principle sickle cell interviewer and fieldworker in Oakland hospitals and neighborhoods to assess how African-Americans viewed, utilized, and engaged with offers for genetic testing.

COURSES & TEACHING INTERESTS

Anthropology of Global Health
Anthropology and Race
Anthropology of Science
Health Disparities in the African Diaspora
Medical Anthropology of Africa
Medical Anthropological Theory
Migration / Environmental Displacement
Race and Humanism

HARVARD UNIVERSITY COMMITTEES AND SERVICE

Chair, Committee for Social Engagement/Activity-Based Learning, 2008-present (African And African American Studies)

Curriculum Committee, 2009 (Anthropology)

Graduate Admissions committee, 2008 (Anthropology), 2009 (African and African American Studies)

Planning Committee, 2009 (African and African American Studies)

Committee on African Studies, 2007-present (university wide)

Harvard Interfaculty Initiative on Medications and Society, associate, 2008-present

Tenure-track Faculty Advisor Board member to the Dean of Social Sciences, 2007-present

Weatherhead Center for International Affairs, associate, 2008-present

EXTERNAL PROFESSIONAL SERVICE

Participant, joint workshop held by the National Institutes of Health (NIH), The National Human Genome Research Institute (NHGRI), the National Center for Minority Health and Health Disparities (NCMHD) and the National Cancer Institute (NCI) "Understanding the Role of Genomics in Health Disparities: Toward a New Research Agenda." September 24-26, 2008. University of Maryland, Adelphi.

Participant, workshop held by the National Human Genome Research Institute (NHGRI) to determine the ethical, legal, and social issues (ELSI) raised by research on natural selection in humans, with a focus on the scientific design and responsible interpretation of genomic research in human groups, especially in Africa. October 28, 2008. NIH Conference Center, Rockville, Maryland.

PROFESSIONAL MEMBERSHIPS

African Studies Association
American Anthropological Association
American Ethnological Society
4S Society for the Social Studies of Science

PEER REVIEW

External grant reviewer, *National Science Foundation*
Manuscript reviewer, *Biosocieties*
Manuscript reviewer, *Current Anthropology*
Manuscript reviewer, *Medical Anthropology*
Manuscript reviewer, *Medical Anthropology Quarterly*
Manuscript reviewer, *Science as Culture*
Manuscript reviewer, *Social Science & Medicine*
Manuscript reviewer, *Science, Technology & Human Values*

LANGUAGES

French, fluent
Wolof, near fluent