

# DUANA FULLWILEY

## CURRICULUM VITAE

### RESEARCH

Based on multi-sited ethnography, my work examines how global and historical effects 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 United States.

### EDUCATION

**Ph.D. Medical Anthropology**, University of California, Berkeley and UC San Francisco 2002  
**M.A. Anthropology**, University of California, Berkeley 1997  
**B.A. Social Sciences Field Major**, University of California, Berkley 1994

### POSTS

2012- present Associate Professor of Anthropology, Stanford University  
2011-2012 Associate Professor of Anthropology, Harvard University  
2007-2011 Assistant Professor of Anthropology and African and African-American Studies, Harvard University  
2005-2007 Robert Wood Johnson Health and Society Postdoctoral Fellow, Harvard School of Public Health and Department of History of Science  
2003-2005 National Science Foundation Postdoctoral Research Fellow, New York University, Department of Anthropology

### FELLOWSHIPS AND AWARDS

2019-2020 Selected, *Institute for Research in the Social Sciences* Faculty Fellow, Stanford University.  
2015-2018 Appointed, *Stanford Program in Science and Technology Studies Distinguished Faculty Fellow*  
2013-2014 Selected, *Stanford Humanities Center Fellowship* (declined)  
2009-2012 *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*  
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 AND PRIZES**

2014 Awarded The American Anthropological Association's **Robert B. Textor and Family Prize for Excellence in Anticipatory Anthropology** for ***The Enculturated Gene: Sickle Cell Health Politics and Biological Difference in West Africa*** (2011).

2013 Awarded The Royal Anthropological Institute's **Amaury Talbot Prize for Most Valuable Work of African Anthropology** for ***The Enculturated Gene: Sickle Cell Health Politics and Biological Difference in West Africa*** (2011).

2013 Granted The American Anthropological Association, **General Anthropology Division (GAD) Award for Exemplary Cross Disciplinary Research** (Honorable Mention).

1994 UC Berkeley *McNair Scholar* (first-generation college student)

1994 Graduated *summa cum laude* (BA)

1994 Elected, *Phi Beta Kappa National Honors Society*

1994, 1996-1998 *Louise Patterson Academic Achievement Award*

**PUBLICATIONS****BOOKS**

2011 ***The Enculturated Gene: Sickle Cell Health Politics and Biological Difference in West Africa***. Princeton University Press

In preparation. ***Tabula Raza: Mapping Race and Human Diversity in American Genome Science***

**ARTICLES**

2015 Fullwiley, Duana. Race, Genes, Power. ***The British Journal of Sociology***. 66(1): 36-45.

2014 Fullwiley, Duana. The 'Contemporary Synthesis': When Politically Inclusive Genomic Science Relies on Biological Notions of Race. ***ISIS, Journal of the History of Science Society*** 105(4): 803-814.

2010 Fullwiley, Duana. Revaluating Genetic Causation: Biology, Economy, and Kinship in Dakar, Senegal. ***American Ethnologist*** 37(4): 638-661.

2008 Fullwiley, Duana. The Biological Construction of Race: "Admixture" Technology and the New Genetic Medicine, ***Social Studies of Science*** 38(5): 695-735.

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.

- 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

- 2018 Fullwiley, Duana and Sarah Gibbon. Genomics in Emerging and Developing Economies. In *The Routledge Handbook for Genomics, Health and Society*. Sahra Gibbon, Barbara Prainsack, Stephen Hilgartner, Janelle Lamoreaux (eds.) Routledge Press.
- 2011 Fullwiley, Duana. Can DNA 'Witness' Race?: Forensic Uses of an Imperfect Ancestry Testing Technology (updated and expanded version of GeneWatch commentary). In *Race and the Genetic Revolution: Science, Myth and Culture*. Sheldon Krimsky and Kathleen Sloan (eds.) Columbia University Press.
- 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 Sénégal. (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/ CREATIVE WRITING /REVIEWS

- 2017 Fullwiley, Duana. (Poem series) Diverse Facts, Eugenics, Genes and Sleep, Pain Planet *Ars Medica: A Journal of Medicine, the Arts and the Humanities*. Special issue on Placebo/Nocebo. Vol. 12(22): 18-27.
- 2015 Fullwiley, Duana. (Book Review) Joanna T. Crane, Scrambling for Africa: AIDS, Expertise, and the Rise American Global Health Science. *Global Public Health: An International Journal for Research Policy and Practice*. <http://dx.doi.org/10.1080/17441692.2015.1006242>
- 2014 Fullwiley, Duana. Race Never Stands Alone: Genomic Science in Latin America and Beyond. A Commentary on Wade, Diester, Kent et al.'s Nation and the Absent Presence of Race in Latin American Genomics. *Current Anthropology* 55(5): 508-509.
- 2012 Fullwiley, Duana. (Book Review). Claire Wendland's A Heart for the Work: Journeys Through an African Medical School. *American Anthropologist* 14(3): 557-558.
- 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: 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.

#### MUSEUM CURATIONS

- 2019 "Self, Made" co-curator for the 50<sup>th</sup> anniversary of the San Francisco Exploratorium exhibit on identity. My pieces featured aspects of scientific material cultures, instruments of status, global innovation by those without white coats, and power dynamics in research. San Francisco, May 23-September 2, 2019
- 2010 "Genetic Genealogy," contribution piece for the American Anthropological Association's national traveling exhibit, "Race are We so Different?" Multi-year run at major American museums.

#### INVITED TALKS/LECTURES

- "The Ancestors Watch in Disbelief: Genomic Ancestry, Power, and (Un)freedom." The Yale Barbara and Richard Franke Lectures. The Whitney Humanities Center, Yale University. March 5, 2019.
- "Naturalizing Inequality and the Politics of Inclusivity: Race, Geography, 'Ancestry,'" Invited Keynote lecture for Naturalisation, déterminisme biologique et sciences sociales: race, sexe et comportements. École thématique pluridisciplinaire, organized by Luc Berlivet, Catherine Bourgain, Jean-Paul Gaudillière, Boris Hauray, and Christelle Rabier. Bierville, France. October 30, 2018.
- "Habits of Power: Science Politics in Anti-science Times, Race Politics in Anti-Racist Times." Inaugural Annual Lecture in Medical Anthropology, University of California, Berkeley. April 11, 2018.
- "Habits of Power: Science Politics in Anti-science Times, Race Politics in Anti-Racist Times." School of Anthropology Lecture Series, University of Arizona at Tucson. October 19, 2017.
- "Power and Consent: Technologies of inclusion in global health genomics." Lecture Series "Global Health: Knowledges, Dispositifs, Policies/-tics," École des Hautes Études en Sciences Sociales (EHESS), Paris. April 18, 2017.
- "'We may... be addicted to Ancestry...' Curiosity and Consent in the time of Genetic Science." Franz Boas Seminar, Department of Anthropology, Columbia University. September 28, 2016.
- "The Culture and Politics of Pain." 8<sup>th</sup> Sickle Cell Disease Educational Seminar, Keynote Speaker. Charles R. Drew University of Medicine and Science. Los Angeles, CA. September 10, 2016.
- "Genome Adventures: Where Science Meets Fun" (A Critical Analysis of Big Data Genomics and Informed Consent in Africa.) *Big Stories and Close Up Research: Health and Science in the African World*. African Studies, University of Wisconsin, Madison. April 16, 2016.

"Race, Genes, Power: The Pervasive Use of Ancestry Genetics Beyond Health Disparities Research." Department of Anthropology, Colloquium series and the Institute for Society and Genetics." UCLA February 4, 2016.

"Tabula Rasa: Terrains of Race and Power in the Genomic Age." Department of Anthropology, Colloquium series. The Graduate Center. City University of New York. October 30, 2015.

"DNA Mug-shots and Drama-Derived Genomic Science." The Science & Entertainment Exchange, National Academy of Sciences. YouTube Space, Los Angeles. June 23, 2015.

Social and Racial Justice Implications of a New Forensic Technology: DNA-based "Digital Mug shots." Briefing, The White House Office of Science and Technology Policy. *Civil Rights, Forensics, and Informed Consent Issues Concerning DTC and Personal Genomics*. The White House, Washington, DC. March 20, 2015.

"The Creation of New Forensic Tools, Applications of DNA Ancestry Tests, and Implications for Racial Justice." *Congressional Briefing on Personal genetics and law enforcement: Improving public safety, ensuring justice, and balancing civil rights*. The Personal Genetics Education Project (Pg-ED), Harvard Medical School, in cooperation with the offices of Congresswoman Louise M. Slaughter (D-NY) and Senator Elizabeth Warren (D-Mass). Capitol Hill, Washington DC. March 19, 2015.

"The New Race: Human Difference, American Genome Politics & Modern Progress." Department of Anthropology, Winter Colloquium. University of California, Santa Cruz. March 4, 2015.

"The Paradoxes and Perils of Racial Thinking in American Genome Science." Distinguished Lecture, The National Science Foundation. Arlington, Va. November 12, 2014.

"The Cultural Politics of Human DNA." *Tell Me More: Scholarly Voices from the African Diaspora Series and MoAD in the Neighborhood*. Museum of the African Diaspora and the California Historical Society. San Francisco, CA. October 25, 2014.

"So, My Cancer Came From Africa?" How Ancestry Genetics in Medical Research Shapes Ideas about Causality and Disease Risk." *Issues in Science Communication Series*. Conference on Race, Biological Causation, and Science Communication. UC Irvine, Newkirk Center for Science and Society, Irvine, CA. October 10, 2014.

"Genetic Indeterminism in Africa: The Politics of Fluid Science." African Studies, University of Wisconsin, Madison. April 2, 2014.

"Difference, Disease, and the Writing of Genetic Science." Department of Liberal Studies, California State University, Fullerton. March 20, 2014.

"Enlarging Our Conceptual Terrains: How Genetic Research in Africa can Benefit from Interdisciplinary Engagement." *Commentary for The 56th Annual Meeting Current Issues Plenary of the African Studies Association. Forum on the Human Health and Heredity Project, H3Africa*, with Dr. Charles Rotimi and Dr. Sheryl McCurdy. Washington DC. November 22, 2013.

"America, Genealogy, History: 'New World' Technologies of Race." Four Field Colloquium Series, Department of Anthropology. University of Michigan. February 25, 2013.

"The Genealogy of Ancestry Genetics: Beyond Surface Readings of Race in the Genome and in History." Research Institute of Comparative Studies in Race and Ethnicity (RICSRE). Stanford University. December 6, 2012.

Equal Representation Before the Sequencer: How Beliefs in Democratic Equality and Multiculturalism are Powering 21st-century Genetic Concepts of Race." Center for the Study of Law and Society, Boalt School of Law, University of California, Berkeley. October 22, 2012.

"Tabula Rasa: Terrains of Human Difference in American Genome Science." Department of Geography, University of California, Berkeley. February 15, 2012.

The Cultural Politics of Sickle Cell Trait Suffering: From Africa's Urban Poor to the testing of NCAA Student Athletes." Johns Hopkins Critical Global Health Seminar. May 3, 2011.

"The Political Cartography of Human Health: Risk, Race and Difference in American Genome Science." *Interrogating Diversity Lecture Series*. Department of Anthropology, Washington University. April 19, 2011.

"When State Economy and Population Biology Meet: The Powers of Association and 'Mild' Sickle Cell Anemia in Senegal, West Africa." *The STS Circle*, Program on Science, Technology and Society, Harvard Kennedy School. April 11, 2011.

"Race: The History and Culture of an Idea." Part of the *High School Science Series*, American Anthropological Association exhibit *Race are We So Different?*, Museum of Science, Boston. April 7, 2011.

"Mapping 'Mild' Sickle Cell Disease in Senegal: How Genetic Reductionism gave rise to Genetic Indeterminacy on African Ground." *Walter Rodney African Studies Seminar*, African Studies Center, Boston University. February 7, 2011.

"Between Political Equality and Human Biological Difference: Interpreting African Genetic Diversity in American Genome Science." Paper presented at the Research Institute for Humanities, Kyoto University, International Workshop on the "Interface of Humanities and Genomics." January 22, 2011.

"Cultural Histories of Mild Sickle Cell Anemia in Senegal, West Africa." *James B. Herrick Symposium, Sickle Cell Disease Care and Research after 100 Years*. The National Heart, Lung, and Blood Institute, The National Institutes of Health, and The National Library of Medicine. November 16-17, 2010.

"Race, Identity, and Medical Genomics in the Obama Age." University of Rhode Island, Honors Program Colloquium and URI Diversity Week Keynote Lecture. October 5, 2010.

"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-logical 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 21<sup>st</sup> Century*. October 17, 2002.

## **SELECT PAPER PRESENTATIONS**

“Addicted to Ancestry?: Scientific Belonging, Data Sharing, and Mapping Minority (Health) Risk.” Paper for a double panel titled *Conceiving a Generous Anthropology: Honoring the Work of Rayna Rapp*, co-organized by Duana Fullwiley and Erin Koch. The American Anthropological Association annual meeting. Minneapolis, MN. November 17, 2016.

“Engaging Scientists on Race in Genetic Research: Refusing to ‘Watch the Parade from the Sidewalk.’” *A Conference Celebrating the Life and Work of Troy Duster*. Co-organized by Duana Fullwiley and Osagie Obasogie. University of California, Berkeley. August 15, 2014.

“So, My Cancer Came From Africa?’ How Ancestry Genetics in Medical Research Shapes Ideas about Causality and Disease Risk.” Paper for a panel on *How the Scientific Act of Establishing Biological Causation Might Solidify the Construction of ‘Race*, organized by Duana Fullwiley. 4s, Society for Social Studies of Science. San Diego, CA October 12, 2013.

“The Dream of Big Data: Personal Genomes and Open Science” Paper for an Invited Session (Society for Medical Anthropology) on *Big Data in Big Biomedicine: Mining and Meanings for Healthcare*, co-organized by Linda Hogle and Rayna Rapp. The American Anthropological Association annual meeting. Chicago. November 21, 2013.

“Contemporary Ethnos and Scientific Inclusion: Confronting Modern Forms of Race in Census-Based Genetics.” Paper for a double panel, *Onwards: Honoring the work of Paul Rabinow*, co-

organized by Mary Murrell and Tobias Rees. American Anthropological annual meeting, November 15, 2012. San Francisco, CA

“Ethnography of Science meets Critical Race Theory: Biological Constructions of Difference.” *Critical Race Theory and Empirical Methods* Public Symposium and Third Working Group Meeting, co-organized by Mario Barnes and Osagie Obasogie. University of California, Irvine School of the Law. April 20 and 21, 2012

“Biological ‘Outcomes’ and Genetic Orders: Tracing the ‘Roots’ of Senegalese Sickle Cell Health through Tangled Informal Economies.” *Knowledge, Domination and the Public in Africa*, organized by Richard Rottenburg, Max Plank Institute for Social Anthropology, and Sandra Greene, Cornell University, Department of History. The 101st Dahlem Konferenzen, Freie Universität, Berlin. March 21, 2011.

“Biological Futures and the Balance of Health and ‘Crisis’ for Sickle Cell Disease Politics in Senegal.” Paper for an Invited Session (the Society for Cultural Anthropology and the Society for Africanist Anthropology) on *African Futures in Crisis*, co-organized by Charles Piot and Brian Goldstone. The American Anthropological Association annual meeting. New Orleans, Louisiana, November 19, 2010.

“The Enculturated Gene: Sickle Cell Health Politics and Biological Difference in West Africa.” Medical Anthropology in Global Africa Conference, organized by The Kansas African Studies Center. University of Kansas, September 16-18, 2010.

“The Powers of Genetic Associations and Enculturated Genes.” Paper presented at the *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 for an Invited Session, (the Society for Medical Anthropology) on *Bodies and Economies: Ethnographies of Value in Biomedicine and Global Health*, organized by João Biehl, Elizabeth F.S. Roberts, and Harris Solomon. 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 3<sup>rd</sup> 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 for an Invited Session (the Society for Cultural Anthropology) on *The Molecularization of Race and Identity*, organized by Duana Fullwiley. 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*, 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 2<sup>nd</sup> 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 on *Pharmaco-ontologies: Newer Definitions of Human and Drug Specificity*, organized by Duana Fullwiley. 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 on *Afro-Empiricities/Afro-theoria*, organized by Mariane Ferme and Janet Roitman. 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, patients, families, patient advocacy groups and specialized herbalists who provide plant remedies for the disease.

### **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, as well as multi-sited clinic, hospital, and community-based participant observation with sickle cell patients, families, and patient advocacy organizations.

## EARLY CAREER 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 Dr. 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 Dr. Troy Duster's DOE funded, "Pathways to Genetic Screening" I worked as a principle sickle cell fieldworker in Oakland hospitals to see how people engaged with health professionals' offers for genetic testing.

**COURSES & TEACHING INTERESTS**

The Anthropology of Science  
Medical Anthropology  
Race  
Economic Anthropology  
Social Determinants of Health  
Health Disparities in the African Diaspora  
Environmental Resource Scarcity and New Racisms  
Science and Power in Africa  
Medical Ethics in a Global World

**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." Purpose: to inform guidelines for new RFAs. 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. Purpose: to inform guidelines for new RFA's. NIH Conference Center, Rockville, Maryland.

*Advisor,* Radiolab (WNYC [www.radiolab.org](http://www.radiolab.org)). Radiolab is a National Public Radio program focused on the bigger ideas and stories in science. I have served as an advisor as of November 2009. In this capacity, I provide feedback on story ideas for areas of research on race, genetics, human variation and ethics.

*Workshop leader,* Ethnographies of Science and Problematics of Human Difference, The Society for Cultural Anthropology Faculty-Student Luncheon workshop. These invited workshops, based on relevant research themes determined by chosen AAA members, are intended to provide an informal setting where PhD students can discuss their work with faculty members outside of their universities. November 14, 2012.

*Participant,* roundtable workshop sponsored by the American Society of Human Genetics, the National Genome Research Institute, and the Duke Institute for Genome Sciences & Policy to draft consensus statements and eventual guidelines for genetic ancestry inference testing. Purpose: to improve scientific rigor, to facilitate transparency and accountability of scientists and companies involved; to mitigate the negative effects of genetic ancestry inference and information. Washington DC, September 10-11, 2013 and Durham, NC May 19-21, 2015.

*Panel Reviewer, National Science Foundation, Social and Behavioral Sciences (SBE) / Science, Technology and Society (STS) Program.*

*Executive Board Member, Interdepartmental Program in Science and Technology Studies, Stanford University, 2012-2013; 2015-present.*

*Board Member, Center for African Studies, Stanford University, 2013-14; 2018*

*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. Arlington, VA, 2015-2018.*

#### SELECT ANTHROPOLOGY DEPARTMENT COMMITTEES

2015-2016 Search committee: Recruitment of candidate for Asian American Studies, CSRE, and environmental anthropology specializations.

2016-2018 Chair of the Ad-hoc committee on Environmental Anthropology, website redesign, curriculum assessment, faculty cluster designation, workshop organizer and guest speaker invitations within the cluster. 2016-2018

2017-2017 Search committee: Muslim societies search committee joint with the Abbasi Program

2016-2018 Departmental liaison for the Stanford Center for Biomedical Ethics, National Genomic Research Institutes Center for Excellence Grant "Stanford Training Program in Ethical Legal and Social Implications (ELSI) of Genetic Research."

#### PROFESSIONAL MEMBERSHIPS

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

#### PEER REVIEW

External Ad hoc grant reviewer, *National Science Foundation*  
Manuscript reviewer, *American Ethnologist*  
Manuscript reviewer, *American Sociological Review*  
Manuscript reviewer, *Annals of the American Academy of Political and Social Science*  
Manuscript reviewer, *Biosocieties*  
Manuscript reviewer, *Cultural Anthropology*  
Manuscript reviewer, *Current Anthropology*  
Manuscript reviewer, *Ethnicity and Health*  
Manuscript reviewer, *Food and Foodways: Explorations in the History and Culture of Human Nourishment*  
Manuscript reviewer, *Journal of Contemporary Ethnography*  
Manuscript reviewer, *Journal of Health Care for the Poor and Underserved*  
Manuscript reviewer, *Journal of the History of Medicine and Allied Sciences*  
Manuscript reviewer, *Medical Anthropology*  
Manuscript reviewer, *Medical Anthropology Quarterly*  
Manuscript reviewer, *Political and Legal Anthropology Review*  
Manuscript reviewer, *Science as Culture*

Manuscript reviewer, *Social Science & Medicine*  
Manuscript reviewer, *Science, Technology & Human Values*

**LANGUAGES**

French, fluent  
Wolof, near fluent  
Spanish, proficient (research capacity)