



Duana Fullwiley

Associate Professor of Anthropology

 Curriculum Vitae available Online

Bio

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 larger conversations on ethics, power, and the ways that human biological material, within the context of culture, is rarely apolitical. *The Enculturated Gene* 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 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 engage ideas of genetic "inclusion" in how they enlist participant involvement in specific disease research problems, and how they also grapple with 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.

As of 2019, I have started new fieldwork on migration from West Africa into Europe. I am concerned with people's personal narratives of success at all costs in light of state sponsored surveillance, the simultaneous rigidity and fluidity of borders aided by new technologies, as well as how people use various forms of science to create relational pathways that come to constitute home. This work also interrogates how human-made environmental resource scarcity pushes people to migrate or, rather, to simply move, in their quests for viable futures. I am interested in how human desires for safety and home become criminalized when Europe's postcolonial anxieties about "secure borders" in the global north become divorced from the forms of insecurity that ongoing postcolonial economic policies breed throughout Africa. Finally, this work investigates new forms of racism engendered by the newest iterations of technologically-assisted and animated border patrolling.

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've also received a Scholars Award in NSF's Science & Society Program, together with Biology, 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

- Humanities and the Arts Enhanced Sabbatical Fellowship, Stanford University (H&S) (2022-2023)
- 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

- Board Member, Ethics and Society Review Panel, concerning Human-Centered Artificial Intelligence (2021 - present)
- Advisory Board Member, Simons Collaboration, Theory of Computing : Understanding the Foundations for Algorithmic Fairness (2021 - present)

- Faculty Advisory Committee, Graduate Fellowship Program on Technology and Racial Equity, Interdisciplinary program in Comparative Studies in Race and Ethnicity, Stanford University. (2021 - present)
- Scientific Advisory Committee Member, *Anthropologie et Santé: Revue internationale francophone d'anthropologie de la santé*. (2020 - present)
- Area Advisor, Area Advisor for Anthropology of Science, Oxford Bibliographies. (2019 - present)
- Executive Board Member, Stanford Center for African Studies (2018 - 2019)
- Executive Board Member, Interdepartmental Program in Science, Technology and Society, Stanford University (2015 - present)
- Advisory Panel Member/ Award Selection Committee, Robert B. Textor and Family Prize for Excellence in Anticipatory Anthropology, The American Anthropological Association (2015 - 2018)
- Trustee of the Board, Association of Members, Institute for Advanced Study, Princeton New Jersey (2014 - 2018)
- Executive Board Member, Interdepartmental Program in Science, Technology and Society (2012 - 2013)
- Member, Phi Beta Kappa National Honors Society (1994 - present)
- Member, The Institute for Advanced Study, Princeton University (2004 - 2005)
- Member, 4S Society for the Social Studies of Science
- Member, American Anthropological Association
- Member, American Ethnological Society

PROGRAM AFFILIATIONS

- Center for African Studies
- 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

COURSES

2023-24

- Method and Evidence in Anthropology: ANTHRO 91 (Win)
- Science as Culture: ESF 20 (Aut)
- Science as Culture: ESF 20A (Aut)
- The Anthropology of Science: Global Politics and Laboratory Life: ANTHRO 367 (Aut)
- Writing and Voice: Anthropological Telling through Literature and Practices of Expression: ANTHRO 265G, CSRE 265G (Win)

2021-22

- Race and Power: The Making of Human Difference in History, Biology and Capital: ANTHRO 345A (Spr)
- Science as Culture: ESF 20 (Aut)
- Science as Culture: ESF 20A (Aut)
- Technology and Inequality: ANTHRO 132C, CSRE 132C (Aut)
- Writing and Voice: Anthropological Telling through Literature and Practices of Expression: ANTHRO 265G, CSRE 265G (Win)

2020-21

- Does Science Have Culture?: ANTHRO 30N, CSRE 31N (Spr)

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

STANFORD ADVISEES

Carmen Ervin

Doctoral Dissertation Reader (AC)

Jaime Landinez Aceros

Doctoral Dissertation Advisor (AC)

Tiên-Dung Hà, Nina Toft Djanegara

Doctoral Dissertation Co-Advisor (AC)

Salma Elkhaoudi, Ryan Penney

Doctoral (Program)

Reem Badr, Nina Toft Djanegara

Publications

PUBLICATIONS

- **Tabula Raza: Mapping Race and Human Diversity in American Genome Science (Forthcoming)** *Atelier: Ethnographic Inquiry in the Twenty-First Century*
Fullwiley, D.
University of California Press.2024
- **Guidelines for genetic ancestry inference created through roundtable discussions.** *HGG advances*
Wagner, J. K., Yu, J. H., Fullwiley, D., Moore, C., Wilson, J. F., Bamshad, M. J., Royal, C. D.
2023; 4 (2): 100178
- **"Reverie in Reverse: Placebo Medicine" and "Sand Lines" (poems)**
Fullwiley, D.
Elyssar Press. Redlands, California.
2022 ; Black Rootedness: 54 Poets from Africa to America 163-166;169
- **Chronique d'un Terrain Partagé: La fusion des formes, des esprits et des genres** *Revue des Sciences Sociales, "50 ans d'écriture en sciences sociales. Rétrospectives et perspectives,"*
Fullwiley, D.
2022; 68: 106-115
- **The song of power: A fugue of dystopia and racial regeneration** *HAU-JOURNAL OF ETHNOGRAPHIC THEORY*
Fullwiley, D.
2021; 11 (2): 739-747
- **Of Maps, Ancestors and Genes** *Anthropology News*
Fullwiley, D.
2021
- **DNA and Our Twenty-First-Century Ancestors** *The Boston Review*
Fullwiley, D.
2021
- **Toward a Compassionate Intersectional Neuroscience: Increasing Diversity and Equity in Contemplative Neuroscience.** *Frontiers in psychology*
Weng, H. Y., Ikeda, M. P., Lewis-Peacock, J. A., Chao, M. T., Fullwiley, D., Goldman, V., Skinner, S., Duncan, L. G., Gazzaley, A., Hecht, F. M.
2020; 11: 573134
- **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

- **Poetry in the Medical Humanities-- Diverse Facts / Eugenics / Genes and Sleep / Pain Planet** *Ars Medica, Special Issue: Placebo/Nocebo*
Fullwiley, D.
2017; 12 (2): 18-27
- **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 Krimsky, 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 biological 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

PRESENTATIONS

- "Ancestors and the Algorithmic Shadows: Ghost DNA and the Kinfolk of Today." Center for the Study of Slavery and Justice, Brown University. October 18, 2022 - Center for the Study of Slavery and Justice (October 18, 2022)
- "Refusing the Separate Self: Rewriting Sickle Cell Futures in Dakar." Keynote speaker for Assemblages of Rare Diseases, Rare Disease Social Research Center, Polish Academy of Sciences - Rare Disease Social Research Center Institute of Philosophy and Sociology Polish Academy of Sciences (March 10, 2022)
- "Breaking Anthropology Open: Art, Science and the Vibrational Possibilities of Un-disciplining Ethnography." 6th Annual McCurdy Distinguished Lecture, Macalester University. April 23, 2021 - Department of Anthropology Macalester University. (April 24, 2021)
- "Ethnographic Attunement." Keynote speaker for "Refusing Poetic Restraint," The Ethnography Studio 2021 Ethnographic Salon, Rice University. May 14, 2021
- "Sci Non-fi in the Laboratory and Beyond." Department of Anthropology Colloquium, University of Chicago. November 9, 2020
- "Racialized Foundations in Science, Medicine, and Law." After Dark Online, The San Francisco Exploratorium, Science Museum. July 23, 2020
- "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.
- "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.
- "Naturalizing Inequality and the Politics of Inclusivity: Race, Geography, 'Ancestry,'" Invited Keynote for Naturalisation, déterminisme biologique et sciences sociales. Bierville, France Oct 30, 2018