

**MELISSA S. CREARY, PhD, MPH**  
Assistant Professor  
Department of Health Management and Policy  
School of Public Health  
The University of Michigan  
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### **EXECUTIVE POSITIONS**

#### **American Thrombosis and Hemostasis Network | 2021**

Senior Director  
Office of Public Health Initiatives

### **ACADEMIC APPOINTMENTS**

#### **University of Michigan, Ann Arbor, MI | 2016**

Assistant Professor  
Department of Health Management and Policy  
School of Public Health

#### Faculty Affiliate:

Science, Technology & Society Program  
Science, Technology, and Public Policy (STPP) Program  
Institute for Research on Women and Gender  
Institute for Healthcare Policy and Innovation  
Center for Bioethics & Social Sciences in Medicine  
Poverty Solutions  
RacismLab

### **EDUCATION**

#### **Laney Graduate School, Emory University | May 2016**

Doctor of Philosophy, The Graduate Institute of Liberal Arts

**Dissertation:** *An Identity Crisis for Sickle Cell Disease in Brazil*

Committee: Howard Kushner, Graduate Institute of Liberal Arts, History, Neuroscience and Behavioral  
Biology, Behavioral Science and Health Education  
Jeffrey Lesser, History

#### **Rollins School of Public Health, Emory University | May 2004**

Master of Public Health, Behavioral Sciences & Health Education

#### **Emory College, Emory University | May 2000**

Bachelor of Science, Biology

**PUBLICATIONS**

1. Creary, Melissa. "Legitimate Suffering: A Case of Belonging and Sickle Cell Trait in Brazil." *BioSocieties* (accepted)
2. Willison, Charley, Philip Singer, Melissa Creary, and Scott Greer. "Political Determinants of Disaster Responses: Risk and Partisanship in American Territories." *World Medical & Health Policy* (accepted)
3. Creary, Melissa. "Bounded Justice and the Limits of Health Equity." *The Journal of Law, Medicine & Ethics*, 49 (2021): 241-256
4. Nong, Paige, Minakshi Raj, Melissa Creary, Sharon LR Kardia, and Jodyn E. Platt. "Patient-Reported Experiences of Discrimination in the US Health Care System." *JAMA network open* 3, no. 12 (2020): e2029650-e2029650.
5. Hasan, Muhammad Noman, Arwa Fraiwan, Ran An, Yunus Alapan, Ryan Ung, Asya Akkus, Julia Z. Xu et al. "based microchip electrophoresis for point-of-care hemoglobin testing." *Analyst* 145, no. 7 (2020): 2525-2542.
6. Willison, Charley, Phillip Singer, Melissa Creary, Scott Greer. 2019. "Quantifying inequities in US federal response to hurricane disaster in Texas and Florida compared to Puerto Rico." *BMJ Global Health*.
7. Baker, Charlotte, Jill Powell, Dominic Le, Melissa S. Creary, Lori-Ann Daley, Mary Anne McDonald, and Charmaine DM Royal. 2018. "Implementation of the NCAA Sickle Cell Trait Screening Policy: A Survey of Athletic Staff and Student-athletes." *Journal of the National Medical Association*.
8. Creary, Melissa, Daniel Thiel, and Arri Eisen. 2017. "Social Meaning and the Unintended Consequences of Inclusion." *The American Journal of Bioethics*.
9. McDonald, M. A., M. S. Creary, J. Powell, L. A. Daley, C. Baker, and C. D. Royal. 2017. "Perspectives and Practices of Athletic Trainers and Team Physicians Implementing the 2010 NCAA Sickle Cell Trait Screening Policy." *Journal of Genetic Counseling*.
10. Creary, Melissa S. 2017. "Biocultural citizenship and embodying exceptionalism: Biopolitics for sickle cell disease in Brazil." *Social Science & Medicine*.
11. Hulihan M, Feuchtbaum L, Jordan L, Kirby R, Snyder A, Young W, et al. 2014. "State-based surveillance for selected hemoglobinopathies." *Genetics in Medicine*.
12. Soucie J, Miller C, Kelly F, Payne A, Creary M, et al. 2014. "A study of prospective surveillance for inhibitors among persons with haemophilia in the United States." *Haemophilia*.
13. Savitt T, Smith W, Haywood C, Creary M. 2014. "Use of the word 'crisis' in sickle cell disease: The language of sickle cell." *Journal of the National Medical Association*
14. Creary M and Eisen A. 2013. "Acknowledging Levels of Racism in the Definition of 'Difficult'". *The American Journal of Bioethics*.

15. Grant A, Parker C, Jordan L, Hulihan, M, Creary M, Lloyd-Puryear M, Goldsmith J, Atrash, H. 2011. "Public Health Implications of Sickle Cell Trait." *American Journal of Preventive Medicine*
16. Yusuf H, Lloyd-Puryear M, Grant A, Parker C, Creary M, and Atrash H. 2011. "Sickle Cell Disease." *American Journal of Preventive Medicine*.
17. Tanabe P, Porter J, Creary M, et al. 2010. "A qualitative analysis of best self-management practices: Sickle cell disease." *Journal of the National Medical Association*.
18. Boulet S, Yanni E, Creary M, Olney R. 2010. "Health status and healthcare use in a national sample of children with sickle cell disease." *American Journal of Preventive Medicine*.
19. Creary M, Williamson D, Kulkarni R. 2007. "Sickle Cell Disease: Current Activities, Public Health Implications and Future Directions." *Journal of Women's Health* (CDC Report).
20. Hibbert J, Hsu L, Buchanan, I, Creary M, Gee B, Quarshie A. 2006. "Erythropoiesis and myocardial energy requirements contribute to the hypermetabolism of childhood sickle cell anemia." *Journal of Pediatric Gastroenterology & Nutrition*
21. Hibbert J, Hsu L, Bhathena S, Irune I, Sarfo B, Creary M, Gee B, and Stiles J. 2005. "Metabolic stress and proinflammatory cytokines in children with sickle cell anemia." *Experimental Biology and Medicine*
22. Creary M. "Melissa's Story: The Young Adult." in A. Platt and A. Sacerdote, eds. 2002. *Hope and destiny: the patient's and parent's guide to sickle cell disease and sickle cell trait*. Roscoe, IL: Hilton Pub. Co.
23. Creary M. 2000. "Dispelling the Myths: The Caribbean Community and Sickle Cell." *The Caribbean Express Newspaper*

#### *Submitted Manuscripts*

U.S. Cases of Newborn Screening Disorders by Race and Ethnicity, *American Journal of Preventive Medicine*

Respecting Autonomy and Enabling Diversity: the effects of recruitment and consent methods on the diversity of research databanks, *PNAS*

#### *Public and Digital Scholarship*

Nong, Paige, William Lopez, Paul Fleming, Riana Anderson, and Melissa Creary. "Structural Racism Is Not An Exemption From Accountability | Health Affairs Blog." Accessed August 2, 2021.

<http://www.healthaffairs.org/doi/10.1377/hblog20210526.665071/full/>.

Creary M, Fleming P, Pawar S, Omari A. "Leading with HEART: Working toward Health Equity with Anti-Racist Teaching" for The Pursuit, University of Michigan School of Public Health | 2021

<https://sph.umich.edu/pursuit/2021posts/leading-with-heart.html>

Creary M, Fleming P, Raghunathan, T. "The Impact of Race on Data." University of Michigan Population Healthy Podcast | 2021

<https://sph.umich.edu/podcast/season3/the-impact-of-race-on-data.html>

Creary M, Pollock, A. "How COVID-19 has highlighted racism as a health risk." King's College London Podcast | 2020

<https://www.kcl.ac.uk/news/how-covid-19-has-exposed-racism-as-a-health-risk>

Creary M, Fleming P. "Opinion | What's behind the racial disparity in COVID-19 cases." Bridge Magazine | 2020

<https://www.bridgemi.com/guest-commentary/opinion-whats-behind-racial-disparity-covid-19-cases>

Fleming P, Creary, M. "Column: Public health and systemic racism are on the ballot in prosecutor elections." Michigan Advance | 2020

<https://www.michiganadvance.com/2020/07/28/column-public-health-and-systemic-racism-are-on-the-ballot-in-prosecutor-elections/>

Creary M, Lopez W. "A Few Small Ways to Sneak Some Advocacy into Your Academic Writing." Medium for the National Center for Institutional Diversity | 2018

<https://medium.com/national-center-for-institutional-diversity/a-few-small-ways-to-sneak-some-advocacy-into-your-academic-writing-69263aefdc5b>

Creary M. "ESPCA: Reflections on Power and Politics" in Proceedings of the São Paulo School of Advanced Science on Biotechnology, Biosocialities and the Governance of Life Science | 2015

[http://issuu.com/rsvelho/docs/espca\\_proceedings/36](http://issuu.com/rsvelho/docs/espca_proceedings/36)

Creary M and Williams, EL. "The Place of Afro-Brazilian Women in the World Cup." Huffington Post. | 2014

[http://www.huffingtonpost.com/melissa-creary/the-place-of-afrobrazilia\\_b\\_5501037.html](http://www.huffingtonpost.com/melissa-creary/the-place-of-afrobrazilia_b_5501037.html)

Registry and Surveillance System for Hemoglobinopathies (RuSH) Strategies from the Field | 2013

[http://www.cdc.gov/ncbddd/hemoglobinopathies/documents/rush-strategies\\_508.pdf](http://www.cdc.gov/ncbddd/hemoglobinopathies/documents/rush-strategies_508.pdf)

Creary M. "A Century of Sickle Cell Disease." Morbidity and Mortality Weekly Report, A Cup of Health with CDC Podcast | 2010

<http://www2c.cdc.gov/podcasts/player.asp?f=3162007>

### *Manuscripts in Preparation*

ELSI and the Learning Health System: A Novel Application of Critical Race Theory

Excessive interest in biospecimens and predatory inclusion

Bounded Equity and the Case of Cannabis

Bounded Justice: Partnership Models in Large Scale Genomic Research in the Era of Inclusion

"Even though we have blondes with blue eyes who have SCD, the origin was from Africa." Oral Histories of Biology and Belonging

**GRANT SUPPORT***Current*

Poverty Solutions and School of Public Health, University of Michigan, M Creary, Co-PI, P Fleming, Co-PI, “Institutional Interventions toward Anti-racist Public Health Pedagogy” | 2020-2021

National Institutes of Health (1-R01-CA-214829-01-A1), S Kardia, P.I., J Platt, Co-I, M Creary, Co-I, “The Lifecycle of Health Data: Policies and Practices.” | 2018-2022

Faculty Pilot Research Projects in Global Health, Office of Global Public Health, School of Public Health, University of Michigan, M Creary, PI, “Intersectionality in Sickle Cell Disease: How Gender and Skin Color Converge” | 2018

National Center for Institutional Diversity (NCID) Grants to Support Research and Scholarship for Social Change, University of Michigan, M Creary, PI, “Citizenship, Social Exclusion, and Trust: The Differentiated Lives of Sickle Cell Disease” | 2018

Institute for Research on Women and Gender Faculty Seed Grant, University of Michigan, M Creary, PI, “At the intersection of Feminist and Postcolonial Technoscience: Sickle Cell Disease Technology for Women by Women in Uganda” | 2018

*Pending*

Public trust of artificial intelligence in the precision clinical decision support health ecosystem. National Library of Medicine, National Institutes of Health, R01 | University of Michigan, J Platt, PI, L Prosser, Co-I, A Flynn, Co-I, C Friedman, Co-I, M Creary, Co-I | 2020

*Previous*

Professional Development Support Grant, Emory University | 2012-2013 & 2010-2011

**FELLOWSHIPS and RESIDENCIES**

Global Scholars Early Career Fellowship, University of California-Irvine | 2020

Visiting Researcher Resident for ELSI Issues of Public Health Policies, Brocher Foundation | 2019

Fox Center for Humanistic Inquiry Dissertation Completion Fellowship, Emory University | 2015-2016

Ford Foundation Dissertation Completion Fellowship, Honorable Mention | 2014-2015 & 2015-2016

Institute of International Education Boren Fellowship | 2013-2014

Institute of International Education Fulbright Scholarship, Alternate | 2013-2014

Associated Service Fellowship, Centers for Disease Control and Prevention | 2007-2008

Oak Ridge Institute of Science & Education (ORISE) Fellowship, Centers for Disease Control and Prevention | 2005-2007

**AWARDS and HONORS**

National Advocate “Champion” Award, Sickle Cell Disease Association of America | 2014

São Paulo School of Advanced Sciences on Biotechnology, Biosocialities and the Governance of the Life Sciences Summer School Selected Participant, University of Campinas | 2014

Outstanding Team Member, Employee of the Year, Atlanta Federal Executive Board | 2013

Matthew Lee Girvin “Young Alumni” Award, Rollins School of Public Health | 2011

CDC and ATSDR Honor Award in the Category of “Excellence in Program Delivery,” Centers for Disease Control and Prevention | 2010

IETA Assignee, Centers for Disease Control and Prevention to World Health Organization | 2009

Public Health Education and Health Promotion Student Poster Winner, American Public Health Association | 2004

James W. Alley Award: Outstanding Service to Disadvantaged Populations, Emory University | 2004

### **INVITED TALKS**

Sickle Cell Disease, Equity, and Justice: A Stagnant History. Invited seminar speaker for the Albert Dorman College Medical Humanities Colloquium Series, New Jersey Institute of Technology. Newark, NJ | March 2021

Epidemiology in Conversation: Science, History, and Social Determinants of Health. Invited Moderator and Speaker for Virtual #HistSTM, University of Toronto. Toronto, Canada | March 2021

Bounded Justice and the Limits of Health Equity. Invited seminar speaker for Center for Bioethics and Social Sciences in Research, University of Michigan. Ann Arbor, MI | February 2021

Healthcare in the Wake of COVID-19: The Future of a Changing Industry. Invited Panelist for Health Disparities and Inequities, Wharton Undergraduate Healthcare Club Conference, University of Pennsylvania. Philadelphia, PA | January 2021

Bounded Justice and the Limits of Health Equity. Invited seminar speaker for the Science and Technology Studies Research Seminar, National Autonomous University of Mexico. Mexico City, Mexico | December 2020

Uncovering Health Disparities, Life through a Pandemic Video Series, City of Detroit Health Department. Detroit, MI | October 2020

Learning Health Systems as a Driver of Diversity, Equity, and Inclusion. Invited panelist for Learning Health Systems Collaboratory, University of Michigan School of Medicine. Ann Arbor, MI | October 2020

A Health Department’s Commitment to Anti-Racism: Promises and Perils. Invited speaker for Ingham County Health Department. Ingham County, MI | September 2020

Sickle Cell Disease, Equity, and Justice: A Stagnant History. Invited seminar speaker for Public Health Students of African Descent Sickle Cell Awareness Month Seminar, School of Public Health, University of Michigan. Ann Arbor, MI | September 2020

Health Equity, Racism, and the Role of Public Health. Invited seminar speaker for Health Management and Policy Department Diversity Equity and Inclusion program, School of Public Health, University of Michigan. Ann Arbor, MI | August 2020

Are We All in this Together? Health Inequity, Discrimination, Xenophobia and Allyship during COVID-19. Invited panelist for the Research Institute of the Hospital for Sick Children. Toronto, Canada | July 2020

COVID-19 in Washtenaw County: A Health Equity Series, Part 1 - Social Determinants of Health. Invited panelist for Region V Public Health Training Center, University of Michigan School of Public Health. Ann Arbor, MI | June 2020

Racial Disparity and Impact. Invited seminar speaker for Health Management and Policy Community Speakers Series, School of Public Health, University of Michigan Ann Arbor, MI | June 2020

Race, Structural Inequity, and Covid-19 - An American Landscape. Invited panelist for the University of the West Indies Vice-Chancellor's Forum on Race, Class & Covid-19. Kingston, Jamaica | April 2020

Exceptional Citizenship, Bounded Justice: Sickle Cell Disease in Brazil. Invited seminar speaker for the Institute of Liberal Arts, Emory University. Atlanta, GA | February 2020

Exceptional Citizenship, Bounded Justice: Sickle Cell Disease in Brazil. Invited seminar speaker for the Technoscience Research Unit, University of Toronto. Toronto, Canada | October 2019

Bounded Justice, Tensions between Inclusion and Exclusion and the Implications for Algorithms. Invited Keynote for the annual Sage Assembly. Seattle, WA | April 2018

Communication Challenges and Opportunities for Women in STEM. Invited speakers for American Association for the Advancement of Science Annual Meeting. Austin, TX | February 2018

Dissonant Infrastructures: The Tensions between Science and Public Health for Sickle Cell Disease in Salvador, Bahia, Brazil. Invited speaker for Science and Technology Studies Speaker Series, University of Michigan. Ann Arbor, MI | December 2017

Bounded Justice, Tensions between Inclusion and Exclusion and the Implications for Learning Health Systems. Invited speaker for Ethical, Legal, and Social Implications of Learning Health Systems. Ann Arbor, MI | November 2017

The Politics of Citizenship and Science—Sickle Cell Disease in Brazil. Invited talk to History Department and J. Keith Behner and Catherine M. Stiefel Program on Brazil, San Diego State University. San Diego, CA | October 2017

Bounded Justice and the Ethics of Scientific Knowledge Production. Invited talk to the Program in Science and Society Speakers Series, Emory University. Atlanta, GA | September 2017

Cidadania Excepcional, Corpos Excepcionais: as Estratégias Científicas dos Cidadãos com Doença Falciforme no Brasil. Invited speaker to Programa de Pós-Graduação em Antropologia Social e Núcleo de Antropologia e Cidadania da UFRGS Special Seminar. Porto Alegre, Rio Grande do Sul | July 2017

Biocultural Citizenship and Embodying Exceptionalism: Biopolitics for Sickle Cell Disease in Brazil. Invited speaker for Laboratório de Pesquisa em Bioética e Ética na Ciência Scientific Seminar. Porto Alegre, Rio Grande do Sul | July 2017

Cidadania Biocultural e Empreendimento Excepcional: Biopolítica para a Doença Falciforme no Brasil. Invited keynote speaker for symposium on Doença Falciforme : desafios e avanços no cuidado e tratamento da doença at Grupo Hospitalar Conceição. Porto Alegre, Rio Grande do Sul | July 2017

Biocultural Citizenship and Embodying Exceptionalism: Biopolitics for Sickle Cell Disease in Brazil. Invited paper at the Annual Science and Democracy Network Meeting. Cambridge, MA | June 2017

Engagement: A national and/or local approach. Invited Keynote for the Genetic Alliance annual meeting with the theme of “Co-Creating a Healthy Future.” Bethesda, MD | February 2017

Reconfiguring Race: Activism, Citizenship, and Sickle Cell Disease in Brazil. Invited lecture to Emerging Scholars Conference, Gettysburg College. Gettysburg, PA | February 2017

Intentionality and the Global Health Scholar. Cross-Disciplinary Discussion on American Racism and the Scholar Activist. University of Michigan MLK Symposium. Ann Arbor, MI | January 2017

Race, Genetics, and Culture: An Identity Crisis for Sickle Cell Disease in Brazil. Invited lecture to Social and Behavioral Research Branch, National Human Genome Research Institute, National Institutes of Health. Bethesda, MD | December 2015

The Cultural Malleability of Biology: Sickle Cell Disease and the State. Invited lecture to University of Brasília, Department of Anthropology Seminar Series “Anthropology and Health Policies.” Brasília, Federal District, Brazil | April 2014

Unspoken Truths: Sickle Cell Disease, Power, and Progress. Invited Keynote to the 1<sup>st</sup> Annual Spoken Truths Symposium, Association of Black Public Health Students, Emory University, Atlanta, GA | March 2012

Sickle Cell Disease: Policy and Practice from a US Perspective. Invited address to VI *Simpósio Brasileiro de Doença Falciforme*, Fortaleza, Brazil | October 2011

Sickle Cell Disease: Power and Partnerships. Invited lecture to the Federal University of Bahia, Institute of Collective Health, Salvador, Brazil | August 2011

Summary from the Public Health Implications of Sickle Cell Trait Meeting. Newborn Screening and Genetic Testing Symposium, Orlando, FL | May 2010

Implementing a National Surveillance System for Hemoglobinopathies. American College of Medical Genetics, Washington, DC | February 2010

Public Health Approach to Sickle Cell Disease: Where it All Starts. Invited plenary address at Sickle Cell Disease Association of America Annual Meeting, Orlando, FL | September 2009

What Do Physicians, Insurers, and Consumers Need To Know About Hydroxyurea for Appropriate Utilization?: The Consumer's Perspective. NIH Consensus Development Conference: Hydroxyurea Treatment for Sickle Cell Disease, Bethesda, MD | February 2008

Core Issues of Registry Development. SCDA National Sickle Cell Disease Registry Meeting, Baltimore, MD | November 2006

### **CONFERENCE, WORKSHOP, & PANEL ORGANIZATION**

Cruel Optimism, Care, and Aspirations for Producing a Liveable Future, American Anthropological Association Annual Meeting, Baltimore, MD | November 2021

Race and “deadly life-making” in contemporary biomedicine, Society for the Social Studies of Science Annual Meeting, Toronto, Canada | September 2021

Asymmetrical Confluence: Justice, Inclusion, and the Quest for Health Equity, Society for Social Studies of Science (4S) Annual Meeting, Prague, Czech Republic | August 2020

Race and Biomedicine Beyond the Lab: 21st Century Mobilizations, Society for Social Studies of Science (4S) Annual Meeting, Prague, Czech Republic | August 2020

Race and Biomedicine Beyond the Lab: 21st Century Mobilizations, Wellcome Trust, King's College London, London, UK | September 2019

Trans/national Politics of Race, Racism, and Anti-Racism, Transnational STS, Society for Social Studies of Science (4S) Annual Meeting, Sydney, Australia | August 2018

Racism and Health: In/sensibility of Embodied Inequality and Inclusion, STS (In)sensibilities, Society for Social Studies of Science (4S) Annual Meeting, Boston, MA | August 2017

Negotiating Citizenship: Ethnography, Race, And Contested Politics, *Familiar/Strange*, American Anthropology Association Annual Meeting, Denver, Colorado | November 20, 2015

Genetic Inclusion: Science, Política, and Identities in Mexico and Brazil, *precariedades, exclusiones, emergencias*, Latin American Studies Association Annual Meeting, San Juan, Puerto Rico | May 29, 2015

A Symposium on Equity and Ethics in Sickle Cell Disease, Keynote and Panel Discussion with Haywood C, Jones C, and Mitchell, B. Emory University, Atlanta, GA | April 12, 2012

### **ACADEMIC PRESENTATIONS**

The Learning Health System as a socio-technical system of translation. Society for Social Studies of Science (4S) Annual Meeting. Sydney, Australia | August 2018

At the intersection of Feminist and Postcolonial Technoscience: Sickle Cell Disease Technology for Women by Women in Uganda. STS Africa National Science Foundation Workshop. Sydney, Australia | August 2018

Bounded Justice: Racism and the Ethics of Scientific Knowledge Production. Society for Social Studies of Science (4S) Annual Meeting. Boston, MA | August 2017

Dissonant Infrastructures: The Tensions between Science and Public Health for Sickle Cell Disease in Salvador, Bahia, Brazil. International Conference on History, Science, and Technology. Rio de Janeiro, Brazil | July 2017

Bounded Justice: When Health Equity Isn't Enough. Research in Progress. Laboratório de Pesquisa em Bioética e Ética na Ciência. Porto Alegre, Brazil | July 2017

Exceptional Citizenship, Exceptional Bodies: The Scientific Strategies of Citizens with Sickle Cell Disease in Brazil. Research in Progress. Institute for Society and Genetics, UCLA. Los Angeles, CA | February 2017

Good Intentions, Chronic Neglect: Decolonizing Healthcare Reform and Access for Black Women in Brazil. National Women's Studies Associations. Montreal, Quebec, Canada | November 2016

The Politics of Publication: Owning Scientific Legitimacy for Sickle Cell Disease in Brazil. University of Michigan Science, Technology, and Society (STS) Mini-Conference. Ann Arbor, MI | September 2015

Bad Science, Public Good: Sickle Cell Disease Policy in Brazil. Society for Social Studies of Science (4S) Annual Meeting. Barcelona, Spain. | August 2016

*Cidadania Para Todos?* A Political Ethnography of Sickle Cell Disease in Brazil. American Anthropological Association Annual Meeting. Denver, CO | November 2015

Exceptional Citizenship, Exceptional Bodies: The Scientific Strategies of Citizens with Sickle Cell Disease in Brazil. Society for Social Studies of Science (4S) Annual Meeting. Denver, CO | November 2015

Sickle Cell Disease in Brazil: A Case for Biocultural Citizenship. Science, Knowledge, and Technology section of the American Sociology Association mini-conference. Chicago, IL | August 2015

The Negotiation of Citizenships: The Black Body Living with Sickle Cell Disease in Brazil. The Society for the Study of Social Problems. Chicago, IL | August 2015

An Identity Crisis: The Politics of Race, Health, and Citizenship for SCD in Brazil. Latin American Studies Association Annual Meeting. San Juan, Puerto Rico | May 2015

Digital Inclusion, Social Exclusion: Facebook and Sickle Cell Disease in Brazil. Worldwide Initiative on Social Studies of Hemoglobinopathies. Rio de Janeiro, Brazil | December 2014

The Cultural Malleability of Biology: Co-production in Brazil and the United States. Society for Social Studies of Science (4S) Annual Meeting. Buenos Aires, Argentina | August 2014

Before Sickle Cell was "Sickle Cell": Jose Martins da Cruz Jobim's *Hypoémia Intertropical* and the Persistence of the Racialized Body, 1835. Annual American Association for the History of Medicine Meeting. Atlanta, GA | May 2013

Chronic Conditions and Political Identities: The Story of HIV/AIDS and Sickle Cell Disease Policy in Brazil. Paper presented at Altered States, Diverse Routes (Spanish Department, Emory University Conference). Atlanta, GA | March 2013

**PROFESSIONAL PRESENTATIONS**

RuSH Strategies from the Field: Health Promotion. 2nd National Conference on Blood Disorders in Public Health Meeting, Atlanta, GA | March 2012

Sickle Cell Disease: Discussing Disparity. American Public Health Association Annual Meeting, Denver, CO | November 2010

Sickle Cell Disease: Playing the Race Card. Worldwide Initiative on Social Studies in Hemoglobinopathies, Leicester, UK | April 2010

Health Information Topics in US Media Covering Sickle Cell Trait. Worldwide Initiative on Social Studies in Hemoglobinopathies, Leicester, UK | April 2010

Engaging Stakeholders in the Development of a National Surveillance System for Sickle Cell Disease. Sickle Cell Disease Association of America Annual Meeting, Orlando, FL | September 2009

Communication Strategy Development for Viral Hepatitis. Viral Hepatitis Section, World Health Organization, Geneva, Switzerland | July 2009

Barriers to Adult Pain Management in Sickle Cell Disease. Panel presentation to Best Practices Development Conference for Adult Sickle Cell Pain, NIH Consensus Conference, Dallas, TX | September 2006

**POSTER PRESENTATIONS**

Creary, M. Synthetic Biology: Engagement or Elitism? International Meeting on Synthetic Biology, Stanford, CA | June 2011

Creary M, Soucie JM, Miller C, Hooper WC, Abshire T, Brettler D, Bockenstedt P, DiPaola J, Massey G, Neff A, Shapiro A, Tarantino M, Wicklund B, DiMichele D. U.S. Inhibitor Pilot Project: Participant Characteristics and Infusion Log Adherence. American Society of Hematology, Atlanta, GA | December 2007

Creary M. Sickle Cell Disease and CDC: Current Activities, Public Health Implications, and Future Directions. Sickle Cell Disease Research and Education Symposium, Hollywood, FL | February 2007

Creary M. A Qualitative Assessment of Sickle Cell Needs in the Rural Georgia Community: A Patient's Perspective. (Poster Winner). American Public Health Association, Washington, DC | November, 2004

Hsu L, Creary M, Jackson E, Gee B, Buchanan I, Hibbert J. Increased Cardiac Output, Protein, and Energy Metabolism in Sickle Cell Anemia (HbSS). American Society of Hematology, San Diego, CA | December, 2003

Creary M. Profile of Body Mass Index in a Subset of HbSS Clinic Patients. The National Sickle Cell Disease Program, Washington, DC | September, 2002

Coker T, Creary M, Hibbert J. Nutritional Status and Pain in Homozygous Sickle Cell Disease. Minority Biomedical Research Support (MBRS) Summer Research Symposium, Atlanta, GA | July, 2002

Hibbert J, Wolfe L, Creary M, Clore J. Increased Hemoglobin Synthesis and Energy Expenditure in Sickle Cell Anemia. National Sickle Cell Disease Program, New York, NY | September, 2001

Creary M, Swerlick R. Effect of Substance P on Sickle Red Cell Adhesion: the Link Between Pain and Vascular

Complications of Sickle Cell Disease. Summer Undergraduate Research Experience, Emory University, Atlanta, GA | August, 1998

### **TEACHING EXPERIENCE**

University of Michigan, Department of Health Management and Policy

Instructor, "Race, Ethnicity, Culture and Health Policy," HMP 626 | Winter 2017, Fall 2017

Graduate seminar course

Instructor, "Public Health Systems: Achievements and Challenges," PubHlth 381 | Fall 2020, 2019, 2017

Undergraduate lecture course

Instructor, "The Future of Obamacare: Repeal, Repair, or Replace?," | Winter 2017

Online Teach Out Series

#### Guest Lecturer

HMP 677 | Health Care Organization: An International Perspective, "The Healthcare System of Brazil"

HBHE 702 | Reducing Racial/Ethnic Health Disparities, "Sickle Cell Disease in Brazil: A Case for Biocultural Citizenship"

HMP 805 | Doctoral Seminar in Health Services and Systems Research, informal conversation

PUBHLTH 200 | Health and Society: Introduction to Public Health, "The Role of Government in Public Health"

HIS 390 | History of Health and Disease in Brazil, "Nature, Race, and Space"

PUBPOL 750 | Public Policy Approaches to Social Disparities in Health, "Bounded Justice and The Limits of Health Equity"

HBEHED 715 | Ethical, Legal & Social Issues in Genomics & Health, "ELSI Interventions in Justice"

Cornell University

Guest Lecturer, Department of Population Medicine and Diagnostic Sciences, Public Health Policy,

"Exceptional Citizenship, Bounded Justice: Sickle Cell Disease in Brazil"

Emory University

Guest Lecturer, Institute for the Liberal Arts, Science & the Nature of Evidence, "Science & Race in America"

Federal University of Rio Grande do Sul

Guest Lecturer, Graduate Program in Social Anthropology, "What is BioCultural Citizenship?"

Emory University

Instructor, "History, Race, and Disease", IDS 201 | Spring 2012

Department of Interdisciplinary Studies, Emory College, Emory University

Undergraduate seminar course with grant proposal capstone project, writing requirement

Teaching Assistant, "Science and the Nature of Evidence: Truth, Mind, & Body", IDS 205 | Fall 2011

Department of Interdisciplinary Studies, Emory College, Emory University

Undergraduate seminar course, writing requirement

Teaching Assistant Training and Teaching Opportunity (TATTO) | Summer 2010

Pedagogical training program that focuses on practical and theoretical elements of instructional

responsibilities (syllabus writing, grading, lecturing, leading discussions, and use of new technology)

### **TRAINING**

São Paulo School of Advanced Sciences on Biotechnology, Biosocialities and the Governance of the Life Sciences | Summer 2014

Five-day training for social, political, legal and ethical issues across global and transnational contexts; in areas such as genetic medicine, stem cell research, data banking, reproductive technologies, and epigenetics

Pontifical Catholic University of São Paulo | Summer 2013

Intensive language training for Portuguese

Oral History Summer School | Summer 2013

Seven-day intensive oral history training covering theory, ethics, interview techniques and project design along with recording tutorials and interview opportunities.

Idioma Escola de Português | Summer 2012

Intensive language training for Portuguese

Pontifical Catholic University of Rio de Janeiro | Summer 2011

Intensive Language Training for Portuguese

## **PROFESSIONAL ACTIVITIES AND AFFILIATIONS**

### *Professional Service*

- National Hemophilia Foundation, DEI Research Workgroup, Subject Matter Expert | 2021
- National Marrow Donor Program, African Diaspora Project, Subject Matter Expert | 2019
- Race and Racism in Contemporary Biomedicine Research Working Group, Georgia Tech, Emory, Spelman, Member | 2015 - 2018
- Worldwide Initiative for Social Sciences in Hemoglobinopathies, Executive Committee Member | 2012-present
- *Revista Mundau* (Brazil), Scientific Committee Member | 2016-present
- 500 Women Scientists, Advisory Board Member | 2016-present

### Journal Manuscript Review:

- Social Science and Medicine
- Science, Technology, & Human Values
- Catalyst: Feminism, Theory, Technoscience
- BioSocieties
- Ethnicity and Disease
- Latin American Research Review
- *Revista Mundau*

### *University and School (SPH) Service*

- SPH Dean's Anti-Racist Workgroup
- SPH Global Public Health Faculty Advisory Committee
- SPH Diversity, Equity, and Inclusion Junior Faculty Workgroup
- SPH Diversity in the Workplace Panel, Participant
- SPH 30th Annual Health Equity Event, Speaker

### *Department Service*

- Global Health Management and Policy Committee

- Curriculum Committee

#### *National Memberships*

- American Public Health Association
- American Anthropological Association
- Latin American Studies Association
- Science and Democracy Network, Harvard University
- Society for Social Studies of Science

#### *Mentoring and Advisement*

##### Post-Doctoral Researchers

- Katherine Hendy, PhD. National Human Genome Research Institute T32 ELSI Research Training Program

##### Dissertation and/or Comprehensive Exam Committee Member

- Daniel Thiel (PhD, Sociology and Health Management and Policy), A CRISPR View of Genome Editing in the 21st Century | In progress
- Sasha Zhou (PhD, Health Management and Policy), Mental Health Service Utilization Among API College Students | Graduated

## **PROFESSIONAL and RESEARCH EXPERIENCE**

### **HEALTH SCIENTIST | August 2008-September 2013**

*Centers for Disease Control and Prevention (CDC), NCBDDD, Division of Blood Disorders, Epidemiology and Surveillance Team, Atlanta, GA*

- Initiated strategic partnerships in the areas of hemoglobinopathies, venous thromboembolism, and hemophilia. Assist in the guidance of the implementation of a registry and surveillance system for hemoglobinopathies (RuSH) and global sickle cell disease activities.
- Identified and pursue strategic partnerships that can lead to advocacy, fundraising or program implementation opportunities, on a national and global scale
- Served as public health subject matter expert for the U.S.-Brazil Joint Action Plan to Eliminate Racial & Ethnic Discrimination & Promote Equality
- Managed a \$20M non-research cooperative agreement with seven states and subcontracted community based organizations with the National Institute of Health (NIH) to develop and implement registry and surveillance system for RuSH
- Communicated innovative approaches and successes to relevant audiences, including donors, policy makers, and development practitioners, through print and electronic media, and public events
- Coordinated special projects in support of strategic initiatives and partnerships
- Created and edited research proposals
- Developed national program strategies document in collaboration with CDC and project staff as first product of RuSH
- Developed contracts and RFPs based on guidelines of RuSH steering committee and collaboration with NIH
- Served as primary liaison with NIH Technical Monitor and other NIH staff as appropriate
- Reviewed and approved task work plans and reports
- Oversaw internal and external project delivery schedule and budget activity

**INTERNATIONAL EXPERIENCE & TECHNICAL ASSISTANCE (IETA) ASSIGNEE | May 2009-August 2009**

*Centers for Disease Control assigned to World Health Organization (WHO), Hepatitis Prevention, Immunization, Vaccines & Biologicals, Expanded Programme on Immunization, Geneva, Switzerland*

- Supported global virus hepatitis prevention efforts including assistance to countries and regions in planning for disease burden studies. Provided technical assistance to the least developed of the 193 WHO Member States in prevention of viral hepatitis with the goal of decreasing morbidity and mortality from these diseases.
- Directed the work of consultants and interns in the first phase of the global burden of disease (GBD) study for 193 WHO Member States in Hepatitis B, including the review of existing estimates, collation of seroprevalence and surveillance data, and abstraction of relevant data
- Managed technical collaborations worth \$250,000 with the creation of Agreements for Performance of Work and Terms of Reference documents
- Developed GBD eligibility requirements for Hepatitis B publications and standard operating procedures for abstraction methods, publication ordering and management
- Assisted in the development of country profile survey to be utilized by World Hepatitis Alliance to determine state of science, policy needs, and programmatic gaps of global Hepatitis B initiatives
- Developed a communication strategy and associated materials for the integration of all viral hepatitis activities across the WHO for both internal policy and external programmatic purposes

**ASSOCIATE SERVICE FELLOW | August 2007-August 2008****OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION (ORISE) FELLOW | January 2005-August 2007**

*Centers for Disease Control and Prevention (CDC), NCBDDD, Division of Blood Disorders, Epidemiology and Surveillance Team, Atlanta, GA*

- Managed, justified and reported all budget activity for \$3M for UDC Inhibitor Study, including the development of proposal and budget to solicit additional funds from new donors
- Provided technical support by responding to inquiries and providing detailed and technical information concerning guidelines, requirements, best practices, human subjects, procedures and techniques related to the Hemophilia Inhibitor Pilot Project
- Worked with and led multi-disciplinary team of scientists to develop and author surveillance proposal documents for an epidemiologic data system for SCD
- Convened stakeholders to form SCD workgroup in order to develop research agenda and priorities
- Presented relevant information regarding SCD and/or CDC activities to federal, and non-federal partner, including community-based organizations and other private and non-profit collaborators
- Developed scientific seminars and assist in the development of web content to increase and promote awareness of SCD across and external to the CDC, including consumer tip sheets, E-cards, matte release, and podcast

**PRINCIPAL INVESTIGATOR | October 2003- May 2004**

*Rollins School of Public Health, Atlanta, GA*

- Developed and conducted a needs assessment of the sickle cell resource needs in several rural Georgia communities for a private/public partnership between the Georgia Comprehensive Sickle Cell Center and a pharmaceutical company.
- Collaborated with local health agencies to actively recruit participants for needs assessment
- Organized focus groups and telephone interviews for data collection, including the creation and maintenance of all project correspondence and promotion
- Coded and analyzed all qualitative and quantitative data derived from focus groups and telephone interviews
- Wrote and presented findings for thesis and graduation requirements for Rollins School of Public Health

**RESEARCH COORDINATOR | July 2000-October 2003**

*Morehouse School of Medicine, Department of Biochemistry, Atlanta, GA*

- Managed, supervised, and developed activities for ongoing studies using stable isotope techniques to investigate protein and energy metabolism in sickle cell disease
- Helped manage two NIH funded budgets of approximately \$500,000
- Directed and supervised the work of ten laboratory support personnel and student lab technicians over the course of three years
- Worked with local health agencies to actively recruit all study participants
- Developed promotional campaign materials for study
- Collected, maintained, and statistically evaluated all study data

**LANGUAGES**

English, Native

Portuguese, Intermediate