CURRICULUM VITAE

Stephanie Malia Fullerton

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PERSONAL DATA

Date of Birth: July 6, 1967
Place of Birth: Hilo, Hawaii
Citizenship: United States

EDUCATION

1986-1989 Occidental College, A.B. (Biochemistry, minor Religious Studies), *Summa cum laude*
1989-1990 University of Oxford, Postgraduate Diploma (Human Biology), with Distinction
1990-1995 University of Oxford, D.Phil. (Human Population Genetics), Dissertation: "Allelic sequence diversity at the human ß-globin locus", Examiners Jeffreys & Southern

POSTGRADUATE TRAINING

1998-2000 Research Associate, Departments of Anthropology and Biology, Pennsylvania State University, University Park, PA
2000-2001 Research Associate, Department of Human Genetics, University of Chicago, Chicago, IL
2001-2002 Research Associate, Anthropology and Biology, Pennsylvania State University, University Park, PA
2002-2005 NIH Ethical, Legal, and Social Implications Program Postdoctoral Fellow, Department of Anthropology & Rock Ethics Institute, Pennsylvania State University, University Park, PA

FACULTY POSITIONS HELD

1995-1998 University Lecturer (equivalent of US Assistant Professor), Department of Anthropology, University of Durham, Durham, United Kingdom
2005-2011 Assistant Professor, Department of Bioethics & Humanities (formerly Medical History and Ethics), University of Washington School of Medicine, Seattle, WA
2008-2011 Adjunct Assistant Professor, Department of Genome Sciences, University of Washington School of Medicine, Seattle, WA
2009-2011 Adjunct Assistant Professor, Department of Epidemiology, University of Washington School of Public Health, Seattle, WA
2010-present Affiliate Investigator, Division of Public Health Sciences, Fred Hutchinson Cancer Research Center, Seattle, WA
2011-present Associate Professor, Department of Bioethics & Humanities, University of Washington School of Medicine, Seattle, WA
2011-present Adjunct Associate Professor, Department of Genome Sciences, University of Washington School of Medicine, Seattle, WA
2011-present Adjunct Associate Professor, Department of Epidemiology, University of Washington School of Public Health, Seattle, WA

HONORS

1988	Phi Beta Kappa
1989	Lucille Y. Gilman Memorial Award to Outstanding Senior, Occidental College
1989	Selle Award to Outstanding Biology Graduate, Occidental College
1989	Rhodes Scholarship, The Rhodes Trust
1992	Overseas Research Students' Award, Committee of Vice-Chancellors & Principals of the Universities of the United Kingdom
1996	Special Award for Younger Staff, University of Durham
1998	Invited Visiting Fellow, Biomolecular Function and Evolution in the Context of the Genome Project, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK
2003	Invited Participant, National Endowment for the Humanities 'Science and Values' Summer Institute, Department of History and Philosophy of Science, University of Pittsburgh, Pittsburgh, PA
2005	Invited Participant, National Academies Keck Futures Initiative on 'The Genomic Revolution: Implications for Treatment and Control of Infectious Disease', Irvine, CA

PROFESSIONAL ORGANIZATIONS

1993-2006	Member, Genetical Society, UK (Durham University Representative)
1994-2000	Member, American Association of Physical Anthropologists
1999-present	Member, American Society of Human Genetics (Past-Chair, Social Issues Committee; Member, Ancestry Testing Task Force)
2002-2009	Member, Society for Social Studies of Science
2003-present	Member, American Society for Bioethics and Humanities

TEACHING RESPONSIBILITIES

Courses

2006-2007	MHE 597/PHG 590, Human Genomics: Science, Ethics, and Society (4 credits, Spring)
2008	MHE/PHG 551, Human Genomics: Science, Ethics, and Society (4 credits, Spring)
2008-2009	B H/PHG 551, Human Genomics: Science, Ethics, and Society (4 credits, Fall)
2007-2010	PHG 580, Interactive Seminar (1 credit, Year-Long), Shared 50% with Austin
2009	HUM 596, Normative Claims for a Democratic Science (2 credits, Spring), with Wylie
2008-2010	PHG 591, PHG Journal Club (1 credit, Year-Long)
2014	PHG 511/ EPI 517, Genetic Epidemiology (3 credits, Spring)
2010-2014	B H/PHG 551/GS 573, Human Genomics: Science, Ethics, and Society (3 credits, Fall)
2016-present	BH 497/597, Ethical Implications of Emerging Technology in Medicine and Healthcare (3 credits, Winter)

Guest Teaching (Annual)

2006-2016	B H (MHE) 514/PHG 512/LAW H 504 Legal, Ethical, and Social Issues in Public Health Genetics (Mastrioanni/Edwards/Lochner-Doyle): Ancestry, Race, and Genetics
2006-2013	B H (MHE) 523 Biomedical Ethics and the Life Sciences (McCormick): Ethical Issues in Human Genetics
2006-present	UW-Hyogo Medical School Visit (McCormick): Ethical Issues in Human Genetics
2007-2008	GENOME 351 Human Genetics: The Individual and Society (Waterston): Ethical Issues in Human Genetics

2007-2011	PHG 521/NURS 582/ANTH 574 Socio-Cultural Perspectives of Public Health Genetics (McGrath): Social Implications of Genetic Ancestry Testing
2007-2014	Amgen Scholars Summer Program, UW Undergraduate Research Program (DeCosmo): Science in Society – What's Integrity Got to Do with Science?
2007-2010	UW Genome Sciences Education Outreach StarNet (Munn): Ethical Implications of Complex Trait Genetics
2008-2011	HA&S 397 Making the Most of Your UW Experience, UW Arts and Sciences Honors College Freshman Seminar (Pitre-Collins): My Pivot Points and Ways Opening/Closing (Reflections on Professional Journey)
2009-2013	PHG 511/ EPI 517 Genetic Epidemiology (Austin): Ethical Issues in Genetic Epidemiology, joint with Kelly Edwards
2010	B H 515/PHG 525 Public Commentary on Ethical Issues in Human Genetics (Edwards): Discussion of Rebecca Skloot's "The Immortal Life of Henrietta Lacks"
2011	Nanotechnology and Physical Sciences Training Program in Cancer Research Summer Seminar Series (Fong): Responsible Conduct of Biomedical Research
2012	HSERV 592K MPH Departmental Seminar (Spigner): The Public's Health and Penn State: Individual and Institutional (Ir)responsibility
2012-2013, 2015	SOC WL 591 Embodiment of Risk, Health Disparities, and Stress Mechanisms (Nurius): Explanation or Intervention? – Ethical Perspectives on Health Disparities Research
2012	GS 580 Genome Sciences Graduate Ethics Seminar (Sibley/MacCoss): Genomics Meets the Real World: DNA, Privacy, and our Responsibilities
2012	GEN ST 391 Research Ethics Exposed! (Harkewicz): From Bench to Bioethics: Grappling with the Implications of Human Genetic Research
2014	BIO ANTH 483 Human Genetics, Disease, and Culture (Eisenberg): From Anthropology to Bioethics: the Long and Winding Road
2014-2015	PHG 302 Forensic Genetics (Weir): Ethical Considerations
2014	SPHSC 559 Special Topics in Speech, Language, and Hearing - Genetics for Health Professionals: from Molecules to Management (Peter): Ethical Implications Panel
2014	PHG 200 Implications of Public Health Genomics for the Modern World (Kuszler): Genetic Ancestry Testing – Public Health Uses of a Recreational Pursuit
2015-present	BH 201 Topics in Bioethics (Blacksher): Ethical Issues in Genetics and Genomics
2015-present	UW Undergraduate Research Program (DeCosmo): Science in Society – What's Integrity Got to Do with Science?
2015	STSS 591 Science, Technology, and Society Studies in Action (Ceccarelli): The Hidden Curriculum in Research Culture, with K. Edwards
2015	BH 460 Reflections on Responsibility, Research, & Society (James): Gene Editing with CRISPR-Cas9

Dissertation Committees

2005-2009	Vivian Hawkins (Molecular and Cellular Biology), Member
2005-2010	Joon-Ho Yu (Public Health Genetics), Chair
2006-2007	Laura Certain (Genome Sciences), Member
2006-2008	Sara Selgrade (Microbiology), Graduate School Representative (GSR)
2007-2009	Sierra Hansen (Public Health Genetics), Member
2007-2009	Jonathan Golob (Pathology), GSR
2010-2013	Jonathan Kocarnik (Public Health Genetics), Member
2010-present	Paul Fearn (Biomedical Informatics & Medical Education), GSR

2011-2015 Mercy Laurino (Public Health Genetics), Chair
2012-2013 Stephanie Rosse (Public Health Genetics), Member
2012-2014 Cyan James (Public Health Genetics), Member
2013-2014 Ursula Schick (Public Health Genetics), Member
2013-present Alice Popejoy (Public Health Genetics), Member
2014-present Laura Heath (Public Health Genetics), Member
2015-present Renee Agatsuma (Public Health Genetics), Member
2015-present Sarah Nelson (Public Health Genetics), Chair
2015-present Tara Coffin (Public Health Genetics), Member

Thesis Committees

2006-2008 Kimberly Friese (Public Health Genetics), Member
2007-2008 Brittany Guy (Public Health Genetics), Member
2007-2008 Julie Bares (Public Health Genetics), Chair
2008-2009 Rachel Malen (Public Health Genetics), Chair
2009-2010 Tristan Victoroff (Public Health Genetics), Member
2010-2011 Sarah Knerr (Public Health Genetics), Chair
2011-2012 Anastasia Thayer (Biology for Teachers Program), Member
2011-2012 Emmi Bane (Public Health Genetics), Chair
2011-2012 Lorelei Walker (Public Health Genetics), Member
2012-2013 Max Hunter (Bioethics), Chair
2013-2014 Samantha Torres (Public Health Genetics), Chair
2013-2014 Wendy Cook (Bioethics), Chair
2014-2015 Shweta Pai (Public Health Genetics), Member

Trainees (Last 10 Years) [* see Publications for citation]

PhD (Public Health Genetics)

2005-2010 Joon-Ho Yu [*17, 19, 21, 41]
2006-2009 Sierra Hansen (jointly with Evan Eichler, Genome Sciences) [*22]
2011-2015 Mercy Laurino
2013-2015 Alice Popejoy
2015-present Sarah Nelson

MPH (Public Health Genetics)

2007-2009 Rachel Malen
2008-2009 Brittany Guy
2008-2009 Julie Bares [*24, 40]
2009-2011 Sarah Knerr [*34, 43]
2010-2011 Marilyn Hair [*39]
2010-2012 Lorelei Walker [*33]
2011-2012 Emmi Bane
2013-2014 Samantha Torres

MA (Bioethics)

2012-2013 Max Hunter
2013-2014 Wendy Cook

Prior Teaching Experience

1991-1993	Undergraduate Instruction, B.A. in Human Sciences, B.Sc. in Biology, Institute of Biological Anthropology, University of Oxford, UK
1995-1998	Undergraduate Instruction, B.A. in Human Sciences, B.Sc. in Health and Human Sciences, University College Stockton, University of Durham, UK
1997-1998	Postgraduate Instruction, M.Sc. in Biological Anthropology, Department of Anthropology, University of Durham, UK
2002	ANTH 021, Introduction to Biological Anthropology, Penn State University (Summer)
2003-2004	PHIL/WST 497A and ENG 597B, Feminist Studies of Scientific Theory and Practice, Penn State University (Fall)

EDITORIAL RESPONSIBILITIES

Peer reviewer for *American Journal of Bioethics Primary Research, American Journal of Human Genetics, American Journal of Medical Genetics Part A, Bioethics, Biopreservation and Biobanking, BioSocieties, Community Genetics, Cultural Anthropology, European Journal of Human Genetics, FASEB Journal, Genetics in Medicine, Genetic Testing and Molecular Biomarkers, Genome Research, IRB: Ethics & Human Research, Journal of Community Genetics, Journal of Empirical Research on Human Research Ethics (JERHRE), Journal of General Internal Medicine, Journal of Genetic Counseling, Journal of Medical Ethics, PeerJ, Personalized Medicine, Pharmacogenomics, PLoS ONE, Public Health Genomics, Science, Science as Culture, Science Translational Medicine, Social Studies of Science, Trends in Genetics*.

Prospectus reviewer for University of Minnesota Press and Oxford University Press.

SPECIAL NATIONAL RESPONSIBILITIES

1996	External Adviser, Academic Standards Validation Panel for B.Sc. in Human Sciences, Roehampton Institute, London
2004	Member, Rhodes Scholarship Selection Committee, State of Pennsylvania
2006-2014	American Society of Human Genetics Social Issues Committee (including Chair, Past-Chair)
2007	External Reviewer, Competition III Interim Review, Genome Canada, Vancouver, BC
2009-2012	Member, Ethical, Legal, and Social Implications Workgroup, NHLBI/NHGRI Exome Sequencing Project
2010-2012	Member, Bioethics Advisory Panel, Kaiser Permanente Research Program on Genes, Environment, and Health (RPGEH)
2010	Member, External Advisory Committee, U34 Clinical Translational Genetics Education Project, NIH National Institute of Diabetes and Digestive and Kidney Diseases
2010-2012	Member, District 14 Committee of Selection, Rhodes Scholarship, The Rhodes Trust
2012-2013	Co-Chair, Informed Consent and Governance Workgroup, Clinical Sequence Exploratory Research (CSER) and ELSI Return of Results National Consortia
2014	Member, National Human Genome Research Institute Special Emphasis Review Panel, H3Africa ELSI RFA-RM-13-005
2014-present	Member, Bioethics Advisory Board (BAB), Kaiser Permanente National Biobank (Chair, 2015-present)
2014-2016	Member, External Advisory Committee, KP/UCSF Center for Transdisciplinary ELSI Research in Translational Genomics

2015 Member, CDC/ONDIEH/NCCDPHP Special Emphasis Panel, DD15-003: Using Longitudinal Data to Characterize the Natural History of Fragile X Syndrome to Improve Services and Outcomes

2015 Member, Societal and Ethical Issues in Research Study Section, ZRG1 PSE R 51: Empirical Research on Ethical Issues Related to Central IRBs and Consent for Research Using Clinical Records and Data (R01)

SPECIAL LOCAL RESPONSIBILITIES

1996-1998 Coordinator, Departmental Seminar Series, Department of Anthropology, University of Durham

1997-1998 University College Stockton Representative, Information Technology Users Committee, University of Durham

1998-2005 Member, Rhodes, Marshall, and Mitchell Scholarship Internal Selection Committee, Pennsylvania State University

2005-2015 Member, Academic Planning Committee, Institute for Public Health Genetics

2006-2010 Member, Rhodes, Marshall, and Mitchell Scholarship Internal Selection Committee, University of Washington

2008-2013 Director, Biomedical Research Integrity Series, University of Washington School of Medicine

2008-present Member, Bodemer Selection Committee, Department of Bioethics & Humanities, UW School of Medicine

2009-2011 Member, Phenotyped Biospecimen Resource Working Group, UW School of Medicine

2009-2014 Member, Dean's Standing Committee on Women in Medicine, UW School of Medicine

2010-2013 Member, Consortium Biospecimen Repository, Ethics Strategic Planning Committee, Fred Hutchinson Cancer Research Center

2011-2015 Member, SCOAP CERTN Advisory Board Oversight Group, University of Washington

2011-present Member, Embryonic Stem Cell Oversight (ESCRO) Committee, University of Washington

2011-2013 MA Supervisorial Board Committee, Department of Bioethics & Humanities, UW School of Medicine

2011-2013 Member, Sage Bionetworks Ethics Advisory Team (SB-EAT), Fred Hutchinson Cancer Research Center

2011-2014 Member, Consortium Biospecimen Resource (CBR) Oversight Committee, Fred Hutchinson Cancer Research Center

2012-2014 Member, Cancer Consortium Xenograft Resource (CCXR) Oversight Committee, University of Washington

2012-2015 Member, Faculty Council on Academic Affairs, UW School of Medicine

2013 Member, Assistant Professor Search Committee, Department of Bioethics & Humanities, UW School of Medicine

2014-2015 Director, Institute for Public Health Genetics, Department of Biostatistics, University of Washington School of Public Health, Seattle, WA

2015-present Member, Dual Use Research of Concern (DURC) Institutional Review Entity (IRE), University of Washington

2015 Member, Innovative Research Advisory Panel (IRAP), Oregon Health Sciences University

RESEARCH FUNDING

Active

1R21 HG007578 Fullerton (PI) 9/22/2014 – 6/30/2016 2.4 CAL
NIH $125,000
Patient Safety in Genome Medicine: Learning from the Past to Safeguard the Future
Genomic testing, which is expected to inform an ever-widening array of clinical applications, must be safely and responsibly incorporated into existing systems of healthcare. The proposed study will provide new information about the delivery of genomic testing in the context of cancer-related patient care, and help identify potential approaches to improving team-based coordination of genomic medicine. Role: Principal Investigator

3U01 HG006507 Jarvik (PI) 12/5/2011 – 11/30/2016 3.6 CAL
NIH/NHGRI $1,104,930 (Annual Direct)
Clinical sequencing in cancer: Clinical, ethical, and technological studies
This program will investigate aspects of using exomic data clinically, considering clinical, technical, informatics, and bioethical components. We propose a randomized controlled trial of exome testing vs. usual care in medical genetics clinic patients indicated for colorectal cancer/polyposis (CRC) genetic testing. We will return CRC gene test results and also incidental findings that are medically actionable. An important component of our work is determination of which results to return and how best to incorporate these into the medical record. Role: Co-Investigator

R01 HL120393 Psaty/Rice/Weir (Dual PIs) 7/1/15-3/31/17 1.2 CAL
NIH/ NHLBI $1,578,032 (Annual Direct)
DCC supplement for rare variants and NHLBI traits (TOPMed)
This supplement funds a Data Coordinating Center for the TOPMed Whole-genome sequencing project. Using the available ExomeChip coding-region genotype data from 9 well-phenotyped cohorts, the primary aim is to discover novel candidate genes and putative functional variants for high-priority heart, lung and blood phenotypes in multi-ethnic cohorts. Role: Co-Investigator

1R01 HG007879 Young/Burke (PI) 9/15/2015 – 8/31/2018 2.4 CAL
NIH/NHGRI $501,039 (Year 1 Direct)
Community-Based Evaluation of APOL1 *Genetic Testing in African Americans*
The major goals of this project are to identify community preferences for Apoliprotein L1 (APOL1) testing and disclosure of risk genotypes to African Americans who may be at risk of developing endstage renal disease (ESRD). These goals will be accomplished in 3 specific aims that will use key informant interviews, a deliberative process, and a pilot study to determine community-based preferences and recommendations for APOL1 testing. Role: Co-Investigator

1U01 HG008657-01 Larson/Jarvik (PIs) 8/1/2015 – 7/31/2020 1.2 CAL
NIH/NHGRI $224,382 (Sub Yr 1 Direct)
Genomic Discovery and Implementation Across a Healthcare Delivery System: Enhancing a Partnership
The specific aims of this proposal are designed to advance the integration of genomic data into clinical practice, including facilitating family communication, evaluating patient perspectives and economic outcomes, defining the pathogenicity and penetrance of variants, identifying novel genetic associations, expanding the library of electronic medical record (EMR) phenotypes, and broadening the impact of eMERGE through collaborations. Role: Co-Investigator, EMERGE III – GH SUB

Pending

1UG3 OD023150-01 Mooney, SD (PI) 9/1/2016 – 8/31/2021 3.0 CAL
NIH/NHLBI $2,700,000 (Year 1 Direct)
Northwest Regional Precision Medicine Initiative Center
As part of the Precision Medicine Initiative, we are proposing to create the Pacific Northwest Healthcare Provider Organization (HPO) Center by leveraging established collaborations with University of Washington health system and medical school (UW) and clinical research sites within the Washington, Wyoming, Alaska, Montana, and Idaho (WWAMI) medical consortium. Our efforts will leverage our substantial experience in electronic patient recruitment through our participation in eMERGE, CSER, many longitudinal cohort studies, existing web portals, and our efforts in universal consenting and in biobanking of both retrospective and prospective samples. Role: Co-investigator

1U2C OD023195 Anderson/Peters/Kooperberg/Wilcox (PIs) 7/1/2016 – 6/30/2021 2.4 CAL
NIH/PM $13,299,743
Coordinating Center for the Precision Medicine Initiative
The goal of the Coordinating Center for the Precision Medicine Initiative (PMI) is to provide centralized support and infrastructure for the entire PMI Cohort Program. The overall goal of the Cohort Program's is to build a research cohort of at least one million U.S. volunteers who are engaged as partners in a longitudinal, long-term effort to transform the understanding of factors contributing to individual health and disease. The Coordinating Center serves as the primary administrative, operational management, and data coordinating center for the entire Cohort Program. Role: Co-investigator

Recently Completed

5R25 OD010966-03 Fullerton/Munn/Nickerson (PIs) 09/16/2011 – 03/31/2016
NIH $227,668 (Annual Direct)
Genes, the Environment, and Me (GEM)
The proposed project will we will develop a series of modular lessons focused on a fundamental concept of biology—the interaction of genes and the environment to in the determination of traits in all living organisms. The lessons will be used to supplement health and science programs that serve underrepresented K-12 students throughout Washington and other parts of the United States. Role: Multi-PI

U01 HG006375-03S1 Larson/Jarvik (PIs) 8/01/2013 - 7/31/2015 (NCE through 11/30/2016)
NIH/NHGRI
Supplement to Genetic Discovery and Application in a Clinical Setting Continuing a Partnership
This supplement is part of a cross-network collaboration, to development, implement, interpret and disseminate finding of a survey by eMERGE network sites. The Seattle survey will target Group Health members, NWIGM biorepository participants, and eMERGE participants. Role: Co-Investigator and Sub PI

P50 CA148143 Thompson (PI) 4/01/2010 – 3/31/2015
NIH/NCI
Understanding and Preventing Breast Cancer Disparities in Latinas
The four projects and four cores of this P50 application involve researchers from several disciplines in research devoted to understanding and preventing precursors of breast cancer and reducing breast cancer morbidity and mortality among Latinas. Role: Co-Investigator, Director, Ethics & Policy Core

P50 HG003374 Burke (PI) 5/14/2010 – 3/31/2015
NIH/NHGRI
Center for Genomics and Healthcare Equality
This proposal outlines a competitive, 5 year renewal plan for this Center of Excellence in Ethical, Legal, and Social Implications (ELSI) Research. The Center explores issues around the clinical integration of genomics with a focus on medically underserved populations. Role: Director of Genome Sciences Core, and Co-Investigator

R25 CA094880 White (PI) 7/01/2012 – 6/30/2015
NIH/NCI
Cancer Prevention Training in Nutrition, Exercise and Genetics
Support toward teaching Human Genomics, Science, Ethics and Society for trainees.

R01 DA024411-03 Hill (PI) 11/16/2011 – 6/30/2016
NIH
Social and Genetic Factors in the Development of Tobacco and Alcohol Dependence
The proposed R01 constitutes a collaboration between three ongoing longitudinal studies: the Seattle Social Development Project (SSDP, Karl G. Hill, PI), the Raising Healthy Children Project (RHC, Richard F. Catalano, PI) and projects from the Minnesota Center for Twin and Family Research (MCTFR, Matthew McGue, and William Iacono, PIs). Collaborators will conduct genetic association analyses and examine of gene-environment interplay in the development of addiction. Role: Co-Investigator

2UL1 TR000423 Disis (PI) 6/1/2012- 5/31/2017
NIH/NCRR
Institute for Translational Health Sciences (ITHS)
This is the competing continuation award for the regional CTSA (UL1 RR 025014), a partnership between the University of Washington, the Fred Hutchinson Cancer Research Center, Children's Hospital and Regional Medical Center, and local and regional research and community partners. As a "collaboratory," the Institute fosters collaboration, career development, education, innovative technologies and resources, and the translational health research process itself. Role: Co-Investigator, Regulatory Support and Bioethics Core. Role: Co-Investigator, Regulatory Support and Bioethics Core

BIBLIOGRAPHY

Manuscripts in Refereed Journals

1. **Fullerton, SM**, & Clegg, JB. (1994) Hpa I, Hind III, and Bam HI polymorphisms 3' of the human ß-globin gene can be detected by a single polymerase chain reaction amplification product. *American Journal of Hematology*, 47(3): 256.
2. **Fullerton, SM**, Harding, RM, Boyce, AJ, & Clegg, JB. (1994) Molecular and population genetic analysis of allelic sequence diversity at the human ß-globin locus. *Proceedings of the National Academy of Sciences USA*, 91: 1805-1809.
3. Harding, RM, **Fullerton, SM**, Griffiths, RC, Bond, J, Cox, MJ, Schneider, JA, Moulin, D, & Clegg, JB. (1997) Archaic African and Asian lineages in the genetic ancestry of modern humans. *American Journal of Human Genetics*, 60(4): 772-789.
4. Harding, RM, **Fullerton, SM**, Griffiths, RC, & Clegg, JB. (1997) A gene tree for ß-globin sequences from Melanesia. *Journal of Molecular Evolution*, 44(S1): 133-138.
5. **Fullerton, SM**, Bond, J, Schneider, JA, Hamilton, B, Harding, RM, Boyce, AJ, & Clegg, JB. (2000) Polymorphism and divergence at the ß-globin replication origin initiation region. *Molecular Biology and Evolution*, 17(1): 179-188.

6. **Fullerton, SM**, Clark, AG, Weiss, KM, Nickerson, DA, Taylor, SL, Stengård, JH, Salomaa, V, Vartiainen, E, Perola, M, Boerwinkle, E, & Sing, CF. (2000) Apolipoprotein E variation at the sequence haplotype level: implications for the origin and maintenance of a major human polymorphism. *American Journal of Human Genetics*, 67(4): 881-900.
7. Nickerson, DA, Taylor, SL, **Fullerton, SM**, Weiss, KM, Clark, AG, Stengård, J, Boerwinkle, E, & Sing, CF. (2000) Sequence diversity and large-scale typing of SNPs in the human apolipoprotein E gene. *Genome Research*, 10(10): 1532-1545.
8. Weiss, KM & **Fullerton, SM**. (2000) Phenogenetic drift and the evolution of genotype-phenotype relationships. *Theoretical Population Biology*, 57(3): 187-195.
9. **Fullerton, SM**, Carvalho, AB, & Clark, AG. (2001) Local rates of recombination are positively correlated with GC Content in the human genome. *Molecular Biology and Evolution*, 18(6): 1139-1142.
10. **Fullerton, SM**, Bartoszewicz, A, Ybazeta, G, Horikawa, Y, Bell, GI, Kidd, KK, Cox, NJ, Hudson, RR, & Di Rienzo, A. (2002) Geographic and haplotype structure of candidate type 2 diabetes susceptibility variants at the calpain-10 locus. *American Journal of Human Genetics*, 70(5): 1096-1106.
11. **Fullerton, SM**, Clark, AG, Weiss, KM, Taylor, SL, Stengård, JH, Salomaa, V, Boerwinkle, E, & Nickerson, DA. (2002) Sequence polymorphism at the human apolipoprotein AII Gene (*APOA2*): unexpected deficit of variation in an African-American sample. *Human Genetics*, 111(1): 75-87 [correction Human Genetics, 111(6): 577-8].
12. **Fullerton, SM**, Buchanan, AV, Sonpar, VA, Taylor, SL, Smith, JD, Carlson, CS, Salomaa, V, Stengård, JH, Boerwinkle, E, Clark, AG, Nickerson, DA & Weiss, KM. (2004) The effects of scale: variation in the *APOA1/C3/A4/A5* gene cluster. *Human Genetics*, 115(1): 36-56.
13. Vander Molen, J, Frisse, LM, **Fullerton, SM**, Qian, Y, del Bosque-Plata, L, Hudson, RR, & Di Rienzo, A. (2005) Population genetics of CAPN10 and GPR35: implications for the evolution of type 2 diabetes variants. *American Journal of Human Genetics*, 76(4): 548-560.
14. Weiss, KM & **Fullerton, SM**. (2005) Racing around, getting nowhere. *Evolutionary Anthropology*, 14(5): 165-169.
15. Buchanan, AV, Weiss, KM, & **Fullerton, SM**. (2006) Dissecting complex disease: the quest for the philosopher's stone? *International Journal of Epidemiology*, 35(3): 562-571; Response to Peer Commentaries, 593-596.
16. Paradies, YC, Montoya, MJ, & **Fullerton, SM**. (2007) Racialized genetics and the study of complex diseases: the thrifty genotype revisited. *Perspectives in Biology and Medicine*, 50(2): 203-227.
17. James, RD, Yu, JH, Henrikson, NB, Bowen, DJ, & **Fullerton SM**. (2008) Strategies and stakeholders: minority recruitment in cancer genetics research. *Community Genetics*, 11(4): 241-249.
18. Caulfield, T, **Fullerton, SM**, Ali-Khan, SE, Arbour, L, Burchard, EG, Cooper, R, Hardy, BJ, Harry, S, Hyde-Lay, R, Kahn, J, Kittles, R, Koenig, B, Lee, SSJ, Malinowski, M, Ravitsky, V, Sankar, P, Scherer, SW, Séguin, B, Shickle, D, Suarez-Kurtz, G, & Daar, AS. (2009) Race and ancestry in biomedical research: exploring the challenges. *Genome Medicine*, 1(1): 39-46.
19. Yu, JH, Goering, S, & **Fullerton, SM**. (2009) Race-based medicine and justice as recognition: exploring the phenomenon of BiDil. *Cambridge Quarterly of Healthcare Ethics*, 18(1): 57-67.
20. **Fullerton, SM**, Anderson, NR, Guzauskas, G, Freeman, D, & Fryer-Edwards K (2010). Meeting the governance challenges of next generation biorepository research. *Science Translational Medicine*, 2 (15): 15cm3.
21. **Fullerton, SM**, Yu, JH, Crouch, J, Fryer-Edwards, K, & Burke, W (2010). Population description and its role in the interpretation of genetic association. *Human Genetics*, 127(5): 563-572.
22. Hansen, S, Eichler, EE, **Fullerton, SM**, & Carrell, DT (2010). SPANX gene variation in fertile and infertile males. *Systems Biology in Reproductive Medicine*, 56(1): 18-26.

23. Royal, CD, Novembre J, **Fullerton SM**, Goldstein DB, Long JC, Bamshad MJ, & Clark AG (2010). Inferring genetic ancestry: opportunities, challenges, and implications. *American Journal of Human Genetics*, 86(5): 661-673.
24. Trinidad, SB, **Fullerton, SM**, Bares, JM, Jarvik, GP, Larson, E, Burke, W (2010). Genomic research and wide data sharing: views of prospective participants. *Genetics in Medicine*, 12(8): 486-495.
25. Ludman, EJ, **Fullerton, SM**, Spangler, L, Trinidad SB, Fujii MM, Jarvik, GP, Larson, EB, & Burke, W (2010). Glad you asked: participants' opinions of re-consent for dbGaP data submission. *Journal of Empirical Research on Human Research Ethics*, 5(3): 9-16.
26. Clayton, EW, Smith, M, **Fullerton, SM**, Burke, W, McCarty, CA, Koenig, B, McGuire, AL, Beskow, LM, Dressler, L, Lemke, A, Ramos, EM, & Rodriguez, LL (2010). Confronting real time Ethical, Legal, and Social Issues in the eMERGE (Electronic Medical Records and Genomics) consortium. *Genetics in Medicine*, 12(10): 616-620.
27. Fabsitz, RR, McGuire, A, Sharp, RR, Puggal, M, Beskow, LM, Biesecker, LG, Bookman, E, Burke, W, Burchard, EG, Church, G, Clayton, EW, Eckfeldt, JH, Fernandez, CV, Fisher, R, **Fullerton, SM**, Gabriel, S, Gachupin, F, James, C, Jarvik, GP, Kittles, R, Leib, JR, O'Donnell, C, O'Rourke, PP, Rodriguez LL, Schully, SD, Shuldiner, AR, Sze, RFK, Thakuria, JV, Wolf, SM, & Burke, GL (2010). Ethical and practical guidelines for reporting genetic research results to study participants: updated guidelines from a National Heart, Lung, and Blood Institute working group. *Circulation: Cardiovascular Genetics*, 3(6): 574-580.
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62. Korngiebel, DM, **Fullerton, SM**, & Burke, W (2016). Patient safety in genomic medicine: an exploratory study. *Genetics in Medicine*, Mar 24. doi: 10.1038/gim.2016.16.
63. Green RC, Goddard KAB, Jarvik GP, Amendola LM, Appelbaum PS, Berg JS, Bernhardt BA, Biesecker LG, Biswas S, Blout CL, Bowling KM, Brothers KB, Burke W, Caga-Anan CF, Chinnaiyan AM, Chung WK, Clayton EW, Cooper GM, East K, Evans JP, **Fullerton SM**, Garraway LA, Garrett JR, Gray SW, Henderson GE, Hindorff LA, Holm IA, Lewis MH, Hutter CM, Janne PA, Joffe S, Kaufman D, Knoppers BM, Koenig BA, Krantz ID, Manolio T, McCullough L, McEwen J, McGuire A, Muzny D, Myers RM, Nickerson DA, Ou J, Parsons DW, Petersen GM, Plon SE, Rehm HL, Roberts JS, Robinson D, Salama JS, Scollon S, Sharp RR, Shirts B, Spinner NB, Tabor HK, Tarczy-Hornoch P, Veenstra DL, Wagle N, Weck K, Wilfond BS, Wilhelmsen K, Wolf SM, Wynn J, Yu JH, for the CSER Consortium (in press). The Clinical Sequencing Exploratory Research Consortium: Accelerating the evidence-based practice of genomic medicine. *American Journal of Human Genetics*.

Book Chapters

1. **Fullerton, SM**. (1996) Allelic sequence diversity at the human ß-globin locus. In *Molecular Biology and Human Diversity*, eds. AJ Boyce and CGN Mascie-Taylor, Cambridge University Press: Cambridge, pp. 225-241.
2. Harding, RM, **Fullerton, SM**, Clegg, JB & Griffiths, RC. (1998) Gene trees for ß-globin: inferences on the origins of modern humans. In *The Origins and Past of Modern Humans – Towards Reconciliation* (Recent Advances in Human Biology, Vol. 3), eds. K Omoto and P Tobias, World Scientific: Singapore.
3. **Fullerton, SM**. (2007) On the absence of biology in philosophical considerations of race. In *Race and Epistemologies of Ignorance*, eds. S Sullivan and N Tuana, SUNY Series on Philosophy and Race, eds. R. Bernasconi and T. D. Sharpley-Whiting, SUNY Press: Albany, NY, pp. 241-258.
4. Shields, AE, **Fullerton, SM**, & Olden, K. (2009) Genes, environment, and cancer disparities. In *Toward the Elimination of Cancer Disparities*, ed. H. K. Koh, Springer: New York, NY, pp. 49-82.
5. **Fullerton, SM** (2011). The input-output problem: whose DNA do we study, and why does it matter? In *Achieving Justice in Genomic Translation: Rethinking the Pathway to Benefit*, eds. W Burke, KA Edwards, S Goering, S Holland & SB Trinidad, Oxford University Press: New York, NY, pp. 40-55.

Published Books, Videos, Software, etc.

1. Austin MA, Beaty TH, Dotson WD, Edwards K, **Fullerton SM**, Gwinn M, Khoury MJ, McKnight B, Ottman R, Psaty BM, Schwartz SM, Stamatoyannopoulos J, Stanford JL, & Thornton TA (2013). *Genetic Epidemiology: Methods and Applications*, Center for Agricultural Sciences International, Wallingford, United Kingdom.

Invited Commentaries

1. **Fullerton, SM**. (2005) Invited comment on M. Lock's 'The Eclipse of the Gene and the Return of Divination'. *Current Anthropology*, 46(Supplement): S62-S63.

2. Buchanan, AV, Weiss, KM, & **Fullerton, SM**. (2006) Genomics, epidemiology, and common complex diseases: let's not throw out the baby with the bathwater! Authors' response. *International Journal of Epidemiology*, 35(5): 1364-5.
3. Fryer-Edwards, K, & **Fullerton, SM**. (2006) Relationships with test-tubes: where's the reciprocity? (Peer Commentary on Ravitsky V & Wilfond BS, Disclosing individual genetic results to research participants.) *American Journal of Bioethics*, 6(6): 36-38.
4. Kelley, M, Fryer-Edwards, K, **Fullerton, SM**, Gallagher, TH, & Wilfond, B. (2008) Sharing data and experience: using the CTSA "moral community" to improve research ethics consultation. (Peer Commentary on Cho M, et al., Strangers at the benchside: research ethics consultation.) *American Journal of Bioethics*, 8(3): 37-9.
5. Reardon, J, & **Fullerton, SM** (2009) Does a genomics that does not work for some mean a genomics that will not work for all? *What ELSI is New? Genomics Law Review eBook*, Fall 2009, http://www.genomicslawreport.com/index.php/2009/12/14/what-elsi-was-new-plenty, p. 5-7.
6. Bernal, A, & **Fullerton, SM** (2010) Broken promises. *Voices of Tomorrow*, October 2010, www.voicesoftomorrow.org/us/unethical-healthcare-abuse/.
7. **Fullerton, SM**, Trinidad, SB, Jarvik, GP, & Burke W (2012). Beneficence, clinical urgency, and the return of individual research results to relatives (Peer Commentary on Chan et al., Genomic inheritances: disclosing individual research results from whole exome sequencing to deceased participants' relatives). *American Journal of Bioethics*, 12(10): 9-10.
8. Garrison, NA, Rohlfs, RV, & **Fullerton, SM** (2013). Should police use DNA to investigate a suspect's family members? *Biopolitical Times*, June 2013, www.biopoliticaltimes.org/article.php?id=6937.
9. Trinidad, SB, **Fullerton, SM**, & Burke W (2015). Looking for trouble and finding it (Peer Commentary on Lazaro-Munoz et al., Looking for trouble: preventive genomic sequencing in the general population and the role of patient choice). *American Journal of Bioethics*, 15(7): 15-17.

Other Publications

1. **Fullerton, SM**. (1996) Phylogeny and molecular biology: reconstructing the tree of life. *Trends in Genetics*, 12(12): 533.
2. **Fullerton, SM**. (1996) Review of Human Molecular Genetics by T. Strachan and A. P. Read. *Annals of Human Biology*, 23(6): 503-504.
3. **Fullerton, SM**. (1997) Review of The History and Geography of Human Genes by L. L. Cavalli-Sforza, P. Menozzi, & A. Piazza. *Annals of Human Genetics*, 61(5): 463-464.
4. **Fullerton, SM**. (1997) Review of Human Genome Evolution ed. by M. Jackson, T. Strachan, & G. Dover. *Annals of Human Biology*, 24(5): 481.
5. **Fullerton, SM**. (1997) Review of Variation in the Human Genome (Ciba Foundation Symposium No. 197), ed. by D. Chadwick and G. Cardew. *Annals of Human Biology*, 24(1): 70-71.
6. **Fullerton, SM**. (1999) Review of DNA Markers: Protocols, Applications, and Overviews ed. by G. Caetano-Anollés & P. M. Gresshoff. *Annals of Human Biology*, 26(2): 195-196.
7. Weiss, KM & **Fullerton, SM**. (2002) Review of Life Script: How the Human Genome Discoveries Will Transform Medicine and Enhance Your Health, by N. Wade. *The Quarterly Review of Biology*, 77(2): 244.
8. **Fullerton, SM**. (2003) Review of Where Do We Come From?: The Molecular Evidence for Human Descent, by J. Klein & N. Takahata. *Heredity*, 90(2): 121.
9. Holland, S. & **Fullerton, SM**. (2007) Review of Taking Biology Seriously: What Biology Can and Cannot Tell Us About Moral and Public Policy Issues, by I. de Melo-Martin. *American Journal of Bioethics*, 7(10): 47-8.

10. **Fullerton, SM**. (2011) Review of What's the Use of Race?: Modern Governance and the Biology of Difference, edited by I. Whitmarsh & D. S. Jones. *The Quarterly Review of Biology*, 86(2): 122-3.

Manuscripts Submitted

1. Chalmers, D, Nicol, D, Kaye, J, Bell, J, Campbell, AV, Ho, CWL, Kato, K, Minari, J, Mitchell, C, Molnár-Gábor, F, Otlowski, M, Thiel, D, **Fullerton, SM**, & Whitton, T. Has the biobank bubble burst? Withstanding the challenges for sustainable biobanking in the digital era. Submitted to *BMC Medical Ethics* on December 23, 2015.
2. Smith, C, **Fullerton, SM**, et al. Translating new, genetic-based technologies into the standard of care for all population groups: a vital step in eliminating health disparities. Submitted to *Health Affairs* on November 20, 2015. Revised and resubmitted February 10, 2016.
3. Richards, JE, Bane, E, **Fullerton, SM**, Ludman, EJ, & Jarvik, GP. Allocation of resources to communication of research result summaries: biobank participant perspectives. Submitted to the *Journal of Empirical Research on Human Research Ethics* on September 15, 2015. Revised and resubmitted on February 16, 2016.
4. Knerr, S, Hohl, SD, Molina, Y, Neuhouser, ML, Li, CI, Coronado, GD, **Fullerton, SM**, & Thompson, B. "THIS IS ME! I DID THIS!': participant perspectives on disseminating transdisciplinary health disparities research. Submitted to the *Progress in Community Health Partnerships: Research, Education, and Action* on October 8, 2015. Revised and resubmitted on March 25, 2016.

Abstracts

1. **Fullerton, SM**, Boyce, AJ, and Clegg, JB. (1993) Intrapopulation nucleotide polymorphism at the human ß-globin locus. *American Journal of Human Biology*, 5(1): 135.
2. **Fullerton, SM**, Harding, RM, Boyce, AJ, and Clegg, JB. (1994) DNA sequence variation at the human ß-globin locus and its application to evolutionary analysis. *Annals of Human Biology*, 21(1): 99.
3. **Fullerton, SM**. (1995) Allelic sequence diversity at the human ß-globin locus. *Annals of Human Biology*, 22(3): 270.
4. **Fullerton, SM**, Harding, RM, Boyce, AJ, and Clegg, JB. (1995) The origin of the sickle cell mutation in human populations: insights from the study of DNA sequence polymorphism at the ß-globin locus. *American Journal of Human Biology*, 7(1): 123.
5. **Fullerton, SM**, Schneider, JA, Bond, J, Harding, RM, Boyce, AJ, and Clegg, JB (1995) DNA sequence variation at the ß-globin locus and human evolutionary origins. *American Journal of Physical Anthropology*, Suppl. 20: 94.
6. **Fullerton, SM**. (1996) Allelic sequence diversity at the human ß-globin locus (DPhil Thesis Abstract). *Social Biology and Human Affairs*, 61(1): 37.
7. Ashworth, L, Taylor, CF, Marlow, CA, & **Fullerton, SM**. (1997) Molecular genetic approaches to sex determination: an evaluation of three methods. *Annals of Human Biology*, 24(3): 275.
8. Ashworth, L, Taylor, CF, Marlow, CA, & **Fullerton, SM**. (1997) Three genetic methods for sex determination: evaluation and application to the analysis of DNA from teeth. *American Journal of Physical Anthropology*, Suppl. 24: 70.
9. **Fullerton, SM**, Bond, J, Schneider, JA, Harding, RM, Boyce, AJ, & Clegg, JB. (1997) DNA replication and polymorphism at the human ß-globin locus. *Annals of Human Biology*, 24(3): 269-270.
10. **Fullerton, SM**, Bond, J, Schneider, JA, Harding, RM, Boyce, AJ, & Clegg, JB. (1997) The ß-globin origin of replication region is hypervariable in humans. *American Journal of Physical Anthropology*, Suppl. 24: 114.

11. **Fullerton, SM**, Harding, RM, Griffiths, RC, and Clegg, JB. (1997) The genetic ancestry of modern humans: inferences from the analysis of DNA sequence diversity at the human ß-globin locus. *American Journal of Human Biology*, 9(1): 128.
12. **Fullerton, SM**, Taylor, CF, Schneider, JA, Harding, RM, & Clegg, JB. (1998) Sequence variation in human origins of replication: application to evolutionary analysis. *Annals of Human Biology*, 25(4): 399.
13. **Fullerton, SM**, Clark, AG, Weiss, KM, Taylor, SL, Nickerson, DA, Stengård, J, Boerwinkle, E, & Sing, CF. (1999) Complete sequence analysis of the human apolipoprotein E locus reveals previously undetected heterogeneity among ε2, ε3, and ε4 alleles. *American Journal of Human Genetics*, 65(4): A84.
14. Weiss, KM, Clark, AG, **Fullerton, SM**, Taylor, SL, Nickerson, DA, & Sing, CF. (1999) Evaluating the phenotypic effects of SNP variation: sampling issues. *American Journal of Human Genetics*, 65(4): A3.
15. **Fullerton, SM**, Weiss, KM, Clark, AG, Taylor, SL, Stengård, J, Boerwinkle, E, Sing, CF, & Nickerson, DA. (2000) Nucleotide and sequence haplotype diversity at the human apolipoprotein AII (APOA2) locus: significant deficit of polymorphism in an African-American sample. *American Journal of Human Genetic*s, 67(4): 1273.
16. **Fullerton, SM**, Weiss, KM, Clark, AG, Taylor, SL, Nickerson, DA, Stengård, J, Boerwinkle, E, & Sing, CF. (2000) DNA sequence variation at the APOE locus: new insights into the global distribution of an important human polymorphism. *American Journal of Physical Anthropology*, Suppl. 30: 154.
17. Clark, A, Weiss, KM, **Fullerton, SM**, Nickerson, DA, & Sing, CF. (2001) Fine-structure of linkage disequilibrium in candidate genes for cardiovascular disease. *Pathologie Biologie*, 49(5): 405.

INVITED NATIONAL AND INTERNATIONAL PRESENTATIONS

1. "From population to individual: identifying genetic contributions to complex disease". Invited Session on Issues in the Use of Demographic Surveys to Define Population Genetics, Population Association of America Annual Meeting, Minneapolis, May 2003
2. "Genetic correlates of racial and/or ethnic identity and their implications for biomedical research" (with KM Weiss). Special Invited Session on the Genetics of Race, American Psychosomatic Society Annual Meeting, Orlando, March 2004
3. "Emerging issues in genetic testing and screening", Clinical Research Center, St. Luke's International Hospital, Tsukiji, Tokyo, Japan, March 2007
4. "Genetic ancestry testing in the United States: ethical implications", Tokyo Genetic Counselor Network, Teishin Hospital, Tokyo, Japan, March 2007
5. "Research misconduct: lessons from the United States", Kyorin University, Tokyo, and the National Institute of Public Health, Wako, Japan, March 2007
6. Invited Commentator on "Where is the scientific research going?" Panel (Oral Presentation), Workshop on Genetics, Evolution, and Cognitive Ability, Center for Integration of Research on Genetics and Ethics, Stanford University, June 2007
7. "Getting from there to here: environment, evolution, and genetic contributions to behavior", Royal Society of Canada Symposium on Changing Boundaries between Gene Expressions and the Social Fabric: Social Sciences Confront Modern Genetics Challenges, Edmonton, Alberta, November 2007
8. "Use of 'race' and ancestry in biomedical research: implications and applications", Ancestry in Health and Medicine Workshop: Expanding the Debate, McLaughlin-Rotman Centre for Global Health, University of Toronto, Toronto, April 2008
9. "Genetic privacy and personalized medicine", AMC Security and Privacy Conference, Chapel Hill, NC, March 2009

10. "Biobanking: if, when, and how to return research results", Advancing Ethical Research Conference, 2009 PRIM&R Annual Meeting, Nashville, TN, November 2009
11. "Incidental findings and individual research results in genomic research using biobanks and archives—what are they and when do they arise?", Managing Incidental Findings and Research Results in Genomic Biobanks & Archives Meeting, Minneapolis, MN, January 2010
12. "Race, genetics, and public health: a sociocultural/anthropologic view", MYH9 and Kidney Disease: Clinical and Public Health Implications of Recent Genetic Findings in Populations, Bethesda, MD, April 2010
13. "Data owed to research subjects", OHRP Research Community Forum - Regulatory Responsibility and Innovation: An Opportunity for Partnership, Chicago, IL, May 2010
14. "The current landscape for collecting, storing, and sharing DNA samples", Risk of Data Sharing in Genomics Workshop, University of Colorado, Denver, CO, August 2010
15. "Identifiability, data sharing, and the public", International Data Sharing Conference, HeLEX Center for Health, Law, and Emerging Technologies, University of Oxford, UK, September 2010
16. "From the ground up: participant preferences and policy", 61st Meeting of the National Advisory Council for Human Genome Research, Washington DC, February 2011
17. "New developments on governance and oversight - access to data by researchers and participants", 2011 ELSI Congress Plenary Panel, Chapel Hill, NC, April 2011
18. "Offering aggregate results to participants in genomic research: opportunities and challenges" (with LM Beskow, W Burke, & RR Sharp), P3G Making Connections Meeting, Montreal, Canada, October 2011
19. "Participant engagement in research: why we can't just walk away with the data", EURAC New Patient-Centric Perspectives in Medical Research: Ethical and Governance Challenges International Conference, Rome, Italy, October 2011
20. "Ethnicity and community: impact of genetic findings and disclosing results", Whole Genome Approaches to Complex Kidney Diseases Meeting, Bethesda, MD, February 2012
21. "Protective versus participatory: why we need a different way to do research", Are You My Data? Workshop, UC Santa Cruz Cancer Genomics Hub, May 2012
22. "Participant preferences as policy-relevant evidence: on being glad we asked", Using and Abusing Evidence in Science and Health Policy Meeting, Banff, Alberta, Canada, June 2012
23. "Inclusion, design, and research outcomes: making good on our promises", Pharmacogenomics Research Network (PGRN) Scientific Meeting, Seattle, October 2012
24. "Leveraging EMRs for genetic research", Balancing Privacy, Autonomy, and Scientific Progress: Patients' Rights and the Use of Electronic Medical Records for Non-Treatment Purposes workshop, Case Western Reserve University School of Law, April 2013
25. "What place for genomics? Personalized medicine and addressing health disparities", Distinguished Visiting Professor Lecture, Center for Bioethics and Health Law and the Graduate School of Public Health, University of Pittsburgh, February 2014
26. "Persons in personalized medicine: patient and provider views of pharmacogenomics testing," Individualizing Medicine Conference, Mayo Clinic, October 2014
27. "Persons in personalized medicine: physician/patient responses to pharmacogenomics testing" Clinical to Community Sequencing: Emerging Ethical, Legal, and Social Issues in Genomics, American Society of Bioethics & Humanities and American Society of Human Genetics Joint Symposium, San Diego, October 2014
28. "Partnership to Understand and Eliminate Disparate Outcomes (PUEDO) for Latinas: Outreach, Ethics, and Dissemination Research", National Cancer Institute Bioethics Think Tank, Bethesda, July 2015

29. "Scientific considerations in approaching inclusivity and representation: Health equity", TransCEER Workshop to Explore the Ethical, Legal and Social Implications (ELSI) of Inclusivity and Representation in Precision Medicine: What Will Success Look Like?, Columbia University, New York City, January 2016

OTHER INVITED PRESENTATIONS (SELECTED)

1. "Replication, recombination, and DNA sequence variation at the human ß-globin locus." Departmental Seminar, Human Genetics, University of Newcastle upon Tyne, February 1997
2. "Simple sequences and origins of DNA replication." European Science Foundation Workshop on Microsatellites: Evolutionary Dynamics and Applications, Oxford, August 1997
3. "The genetic ancestry of modern humans: inferences from the analysis of DNA sequence diversity at the human ß-globin locus." American Association of Physical Anthropology Annual Meeting, Salt Lake City, Utah, April 1998
4. "DNA sequence turnover in the vicinity of human origins of replication." Department of Genetics, University of Nottingham, UK, April 1998 and Department of Biological Anthropology, University of Oxford, UK, May 1998
5. "The genetics of human evolution: revisiting the 'Out of Africa' theory of human origins." Department of Anthropology, Temple University, April 1999
6. "Apolipoprotein E diversity: genomic sequence analysis of a major candidate locus for CHD." Gordon Research Conference on Molecular Evolution, Hayama, Japan, October 1999
7. "DNA sequence variation in candidate genes for cardiovascular disease risk." Department of Human Genetics, University of Chicago, Chicago, August 2000
8. "Stem cell research: ethical implications" (jointly with molecular biologist Margaret Halleck), Monthly Discussion Forum of the Unitarian Universalist Fellowship of Centre County, Nov 2002
9. "The dilemma of difference: 'race' as a research variable in biomedical research" (Invited Leader of Half-Day Research Seminar). Breaking the Silence Seminar Series, Penn State Univ, February 2003
10. "The Haplotype Map project: refiguring the genome with respect to population (and politics)". Science, Medicine, and Technology in Culture Series, Rock Ethics Institute, Pennsylvania State University, November 2003
11. "Where ancestry and environment collide: race in biomedical context." Rush Institute for Healthy Aging, Chicago, May 2004
12. "Haplotypes and half-breeds: ways in which variation is being reconfigured in the post-genomic era", Cornell University STS Science Studies Research Group Spring Series, Ithaca, April 2005
13. "Exploring the racial implications of the International HapMap Project", Institute for Public Health Genetics Seminar Series, University of Washington, Seattle, November 2005
14. "Side-stepping race with biogeographic ancestry: genes as solution or problem?", Biological Anthropology Seminar Series, University of Washington, Seattle, November 2006
15. "Recreational genomics: all fun and games?", Health Services Policy Seminar Series, University of Washington, Seattle, April 2007
16. "Engendering research integrity: investigator gender and responses to ethical dilemmas", Fred Hutchinson Cancer Research Center, Interdisciplinary Club, Seattle, October 2007
17. "Racial generalization in gene-disease association research: is there any reason to worry?", Medical Genetics Seminar Series, University of Washington, November 2007
18. "Participation in Genome-wide Association Studies: stakeholder perspectives", Medical Genetics and Public Health Genetics Seminar Series, University of Washington, April 2009
19. "Genetics and ethics: old issues, new concerns", Wednesdays at the Genome Public Lecture Series, Genome Sciences, University of Washington, July 2009

20. “Survey on Northwest Institute of Genomic Medicine (NWIGM) bioethics core: findings and next steps”, NWIGM Annual Retreat, University of Washington, June 2010
21. “Standing out from the crowd: ethical implications of identifiability”, Summer Institute in Public Health Genetics, Center for Genomics and Public Health, Seattle, June 2010
22. “Using genetic ancestry in epidemiological research: key assumptions”, Visiting Lecture Series on ‘Identity, Ancestry, and Heritage: Multidisciplinary Perspectives’, University of Tennessee Department of Anthropology, Knoxville, TN, November 2010
23. “Offering aggregate results to participants in genomic research: opportunities and challenges” (with LM Beskow, W Burke, & RR Sharp), Managing Incidental Findings and Return of Research Results in Genomic Biobanks and Archives, Bethesda, May 2011
24. “Changing the Common Rule: what are the stakes for genomics?” (with W Burke), Medical Genetics Seminar Series, University of Washington, January 2012
25. “Innovation squared: why innovations in technology require Innovations in ethics” (with G Bennett, D Guston, LH Nichols, and G Ottinger), Innovation Forum: Exploring Innovation and Creativity, UW Bothell, Seattle, February 2012
26. “Public participation in clinical research: ethical implications”, NWABR Ethics in the Science Classroom Reunion, Seattle, May 2012
27. “Public health in the genetics clinic: the challenges of cascade screening”, Care of the Family with Lynch Syndrome Meeting, UW Medical Genetics, Seattle, March 2013
28. “Got results? Communicating with participants and the public about the fruits of research”, Clinical Research Education Series, UW Institute for Translational Sciences, Seattle, May 2013; Pacific NW Association of Clinical Research Professionals Annual Fall Education Event, Bastyr University, Kenmore, WA, September 2013
29. "What place for genomics? Precision medicine and its role in addressing health disparities", Departmental Seminar, UW Speech and Hearing Sciences, May 2014
30. “Returning results to research participants: arguments, evidence, and implications”, Biological Anthropology Seminar Series, University of Washington, Seattle, November 2014
31. “The ‘Problem’ with Precision Medicine”, Bioethics Seminar, Treuman Katz Center for Pediatric Bioethics, Seattle Children’s Research Institute, Seattle, April 2015
32. “Using genomics in medicine and public health: what, why, and whether we should”, Retirement Symposium for Laura Mays Hoopes [undergraduate research mentor], Pomona College, Claremont, CA, May 2015
33. “Translational Science in Biomedicine – Challenges and Future Directions”, Invited Panelist, Washington State Academy of Sciences Symposium on Accelerating Science’s Impact: Translating Discoveries into Solutions, Museum of Flight, Seattle, September 2015
34. “Big Data, Biospecimens, and Broad Consent: What We May Gain, and Lose, in the Pursuit of Precision Medicine”, Harborview Medical Center Ethics Forum, University of Washington, February 2016
35. “Offering Aggregate and Individual Research Results to Study Participants: Ethical Considerations”, PATH Research Ethics Lecture Series, April 2016
36. “What Makes Us Human? Where Genes End and Everything Else Begins”, Invited Panelist, Veritas Forum, University of Washington, April 2016

OTHER PRESENTATIONS AND POSTERS (SELECTED)

1. “DNA sequence variation at the ß-globin locus and human evolutionary origins” (Oral Presentation). American Association of Physical Anthropology Annual Meeting, Oakland, California, March 1995

2. "Genetic diversity at the human apolipoprotein E locus: new insights from complete sequence analysis" (Oral Presentation). Symposium on Genome Diversity and Evolution, American Genetic Association, Penn State University, June 1999
3. "Letting the genie out of its bottle: contemporary population genetics and the new biological basis of race" (Oral Presentation). Society for Social Studies of Science Meeting, Atlanta, October 2003; also 'Beyond Science and Values' Meeting, Pennsylvania State University, April 2004
4. "'We must foster a culture of responsibility': managing risks entailed by genomic advances in infectious disease research." (Poster, with SB Trinidad, K Fryer-Edwards, and T Gallagher). Keck Futures Initiative 'The Genomic Revolution: Implications for Treatment and Control of Infectious Disease' Meeting, Irvine, November 2005
5. "You did WHAT? How leaving the bench made me a better scientist." (Facilitated Discussion) Forum on Science, Ethics, and Policy (FOSEP), University of Washington, Seattle, June 2006
6. "Finding new voices: what have bioethicists been missing?" (Oral Presentation, with I de Melo-Martin & AT Ho), American Society for Bioethics and Humanities (ASBH) Annual Meeting, Denver, CO, October 2006
7. "Ancestry Informative Markers: silencing the social critique of race in genetics" (Oral Presentation, with JH Yu), Society for Social Studies of Science Meeting, Vancouver, BC, November 2006
8. "Population specificity may not be enough: a case-based investigation of racial generalization in gene-disease association research" (Poster, with JH Yu, J Crouch, K Fryer-Edwards, and W Burke), American Society of Human Genetics (ASHG) Annual Meeting, San Diego, CA, October 2007
9. "Outside and inside science: thinking about teaching ethics" (Oral Presentation), Ethics in the Science Classroom Short Course, Northwest Association for Biomedical Research, Seattle, February 2008
10. "Ancestry testing in biomedical research" (Oral Presentation, with JH Yu), Genetic Testing, Race, and Community Identity Panel, Translating ELSI: Ethical, Legal, and Social Implications of Genomics meeting, Cleveland, OH, May 2008
11. "Participation in genome-wide association studies using electronic medical records: trust is key" (Poster, with SB Trinidad, J Bares, GP Jarvik, EB Larson, and W Burke), ASHG Annual Meeting, Philadelphia, PA, November 2008
12. "On basic research and its responsible conduct", (Oral Presentation), Ethics in the Science Classroom Summer Course, Northwest Association for Biomedical Research, July 2009
13. "Scientific considerations for governance structures of biobanks" (Oral Presentation, with H Tabor), Examining Governance for Biobanks: Ethical, Scientific, and Practical Considerations - Making Connections Meeting, Banff, Alberta, Canada, September 2009
14. "Age-related differences in attitudes toward participation in genomic research" (Poster, with SB Trinidad, J Bares, GP Jarvik, EB Larson, and W Burke), ASHG Annual Meeting, Honolulu, HI, October 2009
15. "Getting to benefit: genomics, research participation, and healthcare equality" (Oral Presentation), National Latino Cancer Summit, San Francisco, CA, July 2010
16. "Conducting high-throughput genomic research in the setting of a healthcare cooperative: recommendations from a consensus development panel" (Poster, with SB Trinidad, DC Grossman, GP Jarvik, EB Larson, and W Burke), ASHG Annual Meeting, Washington DC, November 2010
17. "The input-output problem: whose DNA do we study and why does it matter?" ("Justice in Translation: Achieving Benefit for All from Genomic Science" Panel, with W Burke, S Holland, and H Starks), 2011 ELSI Congress Plenary Panel, Chapel Hill, NC, April 2011
18. "Uses of ancestry in structured association mapping: a critical analysis of recent literature" (Poster, with JH Yu, KA Edwards, JS Taylor, and KL Edwards), ASHG/ICHG Annual Meeting, Montreal, Canada, October 2011

19. “Evaluation of dbGaP data access requests: a call for greater transparency” (Poster, with L Walker, H Starks, and KM West), ASHG/ICHG Annual Meeting, Montreal, Canada, October 2011
20. “Hispanic attitudes toward health and heredity: a pilot interview study aimed at informing dissemination” (Poster, with R Malen & F Delgado), Centers for Population Health and Health Disparities National Meeting, Seattle, June 2012
21. “Pursuing pharmacogenomic testing within a nonprofit healthcare system: a comparison of stakeholders’ perspectives” (Poster, with SB Trinidad, JD Ralston, JT Tufano, GP Jarvik, and EB Larson), American Society of Human Genetics Annual Meeting, San Francisco, CA, November 2012
22. “Biobank participants’ perspectives on aggregate result return” (Poster, with E Bane, E Ludman, J Richards, A Mastrioanni, & GP Jarvik), American Society of Human Genetics Annual Meeting, Boston, MA, October 2013
23. “Pleiotropy and the potential return of (additional) incidental information with incidental result return” (Poster, with JM Kocarnik), American Society of Human Genetics Annual Meeting, Boston, MA, October 2013
24. “Abundant pleiotropy complicates the return of genetic results and incidental findings” (Poster, with JM Kocarnik & CM Connolly), American Society of Human Genetics Annual Meeting, San Diego, CA, October 2014
25. “How research participants value result confirmation in CLIA compliant laboratories” (Poster, with MY Laurino, A Truitt, L Tenney, D Fisher, GP Jarvik, & D Veenstra), American Society of Human Genetics Annual Meeting, San Diego, CA, October 2014
26. “Non-visual photoreceptors and implications for opsin evolution” (Poster, with AB Popejoy and JH Thomas), American Society of Human Genetics Annual Meeting, San Diego, CA, October 2014
27. “Considerations for consent and return of exome and genome sequencing results to relatives in the event of the patient’s death” (Poster, with L Amendola, M Horike-Pyne, S Trinidad, W Burke, and GP Jarvik), American College of Medical Genetics and Genomics Annual Meeting, Salt Lake City, UT, March 2015
28. “Navigating the Job Search Process When You’re LGBTQ” (Invited Panelist), UW Graduate School Professional Development Event, Seattle, WA, April 2015
29. “Should We Tinker with our DNA?”, Northwest Association for Biomedical Research Community Conversation, Seattle, WA, December 2015
30. “Using Genetic Information in Healthcare: Ethical Issues”, Aljoya Thornton Place Retirement Community, Seattle, WA, February 2016
31. “Addressing patient safety in genomic medicine: views of medical genetics professionals” (Poster, with DM Korngiebel and W Burke), American College of Medical Genetics and Genomics Annual Meeting, Tampa, FL, March 2016