

## CURRICULUM VITAE

### Theodore G. Schurr, Ph.D.

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### ACADEMIC POSITIONS

Graduate Group Chair, Department of Anthropology, University of Pennsylvania; 2017-22  
Associate Chair, Department of Anthropology, University of Pennsylvania; 2017-18  
Professor, Department of Anthropology, University of Pennsylvania; 2013-present  
Visiting Professor, Department of Genetics, Universidade Federal de Minas Gerais, Brazil; 2013  
Associate Professor, Department of Anthropology, University of Pennsylvania; 2007-13  
Director, North American Regional Center, Genographic Project; 2005-20  
Repatriation Committee Member, American Section, Penn Museum; 2006-present  
Consulting Curator, American Section, Penn Museum; 2002-present  
Consulting Curator, Physical Anthropology Section, Penn Museum; 2001-present  
Director, Laboratory of Molecular Anthropology, University of Pennsylvania; 2001-present  
Assistant Professor, Department of Anthropology, University of Pennsylvania; 2001-07

### ACADEMIC AFFILIATIONS

Affiliated Faculty, Latin American and Latinx Studies Program, UPenn; 2020-present  
Affiliated Faculty, Center for Global Genomics and Health Equity, UPenn; 2020-present  
Affiliated Faculty, Center for Mitochondrial and Epigenetic Medicine, CHOP; 2019-present  
University Scholars Faculty Council, University of Pennsylvania; 2018-21  
Associated Scholar, Center for Ancient Studies, University of Pennsylvania; 2018-present  
East Asian Languages & Civilizations Graduate Group, University of Pennsylvania; 2018-22  
Explorer, National Geographic Society; 2016-present.  
Penn Program in Environmental Humanities Working Group; 2016-18  
Advisory Board, Center for Life Sciences, Nazarbayev University, Astana, Kazakhstan; 2015-16  
Department of Biology Graduate Group, University of Pennsylvania; 2010-present  
Associate Member, Center for East Asian Studies, University of Pennsylvania; 2010-present  
Mitochondrial Research Affinity Group, CHOP, University of Pennsylvania; 2008-present  
Research Associate, Population Studies Center, University of Pennsylvania; 2006-present  
Research Associate, International Center for Clinical Genetics, Kharkiv, Ukraine; 2006-10  
Consortium Faculty, Penn Genomic Frontiers Institute; 2005-14  
Consortium Faculty, Africana Studies Center, University of Pennsylvania; 2002-present

## EDUCATION AND TRAINING

Postdoctoral Scientist, Department of Genetics, Southwest Foundation for Biomedical Research, San Antonio, TX, 1999-2001

Ph.D., Emory University, Department of Anthropology, Atlanta, GA, 1998. Dissertation: “*Population Genetic Analysis of Indigenous Peoples of Northeast Siberia: Prehistoric and Historic Influences on Genetic Diversity.*”

M.A., Emory University, Department of Anthropology, Atlanta, GA, 1996

Research Specialist, Human Mitochondrial Genetics, Department of Biochemistry, Emory University, Atlanta, GA, 1986-91

Research Specialist, Plant Molecular Genetics, Department of Genetics, University of Georgia, Athens, GA, 1983-86

B.S., Magna Cum Laude, University of Georgia, Department of Zoology, Athens, GA, 1983

## RESEARCH INTERESTS

*Subject Areas*: Human evolutionary genetics, mitochondrial biology and disease, biomedical genetics, ancient DNA, bioarchaeology

*Geographic Areas*: Africa, Argentina, Australia, Brazil, Canada, Caribbean, Caucasus (Georgia), Kazakhstan, Melanesia, Mexico, Mongolia, Oceania, Russia (Siberia), South Asia, Southeast Asia, Turkey, Ukraine, United States

## HONORS AND FELLOWSHIPS

Fellow, American Association for the Advancement of Science, 2023

Wolf Humanities Center Penn Faculty Fellow, University of Pennsylvania; 2021-22

Life Member, Pi Gamma Mu Honor Society, Penn Delta Chapter; 2008

Council Member, Pi Gamma Mu Honor Society, Penn Delta Chapter; 2007-10

Coles Post-Doctoral Fellowship, Southwest Foundation for Biomedical Research; 1999-2000

Sigma Xi Honor Society; Inducted full member; 1996

Phi Beta Kappa, University of Georgia; 1983

## CONSULTING

Scientific Consultant, Anson Street African Burial Ground Project, 2020-present

Scientific Consultant, The Gullah Society, Charleston, SC; 2018-20

Maryland Historical Trust, Annapolis, MD; 2009-12

Family Tree DNA, Genealogy by Genetics, Ltd., Houston, TX; 2000-07

National Alliance of Families for the Return of America's Missing Servicemen; 2000-02

Bonnichsen et al. v. USA and Dept. of the Army, Civil No. 96-1481-JE; 1998-2000

Warner Bros. Television, “Prey” television series; 1996-98

## MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Anthropological Association

American Association for the Advancement of Science

American Association of Physical (Biological) Anthropologists

American Society for Human Genetics

Association for the Study of African American History and Life (ASAHL)

Human Biology Association

Society of American Archeology

Society for Molecular Biology and Evolution

## GRANTS AND SUPPORT

### Extramural

- National Science Foundation, BCS-2147647 “DDRIG: Influences of Physiological stress on Microbiome, Metabolism, and Health in Nurses.” Principal Investigator (Super) [10/08/23 – 11/30/24]; \$32,200.
- National Science Foundation, BCS-2218048 “DDRIG: The Neonatal Intensive Care Unit as a Space of Vulnerability.” Principal Investigator (Mari) [02/03/23 – 01/31/24]; \$32,200.
- National Geographic Society, HJ-041R-17, “Reconstructing the Genetic History of Adjara and Guria, Western Georgia.” Principal Investigator [07/01/22 – 12/31/23]; \$22,000.
- National Institute of Aging MSTEM: Advancing Diversity in Aging Research through Undergraduate Education (R25). Co-Investigator [02/01/22 - 01/31/25].
- National Science Foundation, BCS-2218048 “DDRIG: Genetic History of Pukapukan Individuals with Ancestry from Pukapuka, Cook Islands.” Principal Investigator (Dickerson) [11/01/22 – 10/31/23]; \$32,200.
- National Geographic Society, Explorer Community Collaboration Grant, “The Mayan Forest vs. Covid-19 and Mayan Train: Resilience by Education to Protect the Cultural and Biological Diversity.” Co-Investigator (Gomez) [01/01/21-12/31/21]; \$25,000.
- National Science Foundation BCS-2029098 “DDRIG: Investigating Variability in the Frequency of Fire Use in the Archaeological Record of Late Pleistocene Europe.” Principal Investigator (Abdolazadeh) [12/11/20 – 08/31/22]; \$21,212.
- Norwegian Institute of Public Health, #302186, “Revisiting and Dissecting the Maternal Influence on Childhood Asthma.” Co-Principal Investigator [11/01/23– 12/31/26]; \$75,000.
- Norwegian Institute of Public Health #287961, “The Redox State within the Intrauterine Millieu and Telomere Length in the Newborn - The ‘Telox’ Study.” Co-Principal Investigator [11/01/20 – 10/31/23]; PI: Astanand Jugessur, University of Bergen, Norway; \$50,000.
- National Geographic Society NGS-55456R-18, “High Resolution Characterization of Y-chromosome Haplogroup Q-M3 Diversity in Indigenous Mexican Populations.” Co-Investigator [01/01/19 - 12/31/19]; PI: Rocio Gomez, CINVESTAV, Mexico; \$30,000.
- National Geographic Society CRE Grant #54324E-18, “Enhancing African Descendant Identity through Community Learning, Collaboration and Memorialization in Charleston, South Carolina.” Co-Investigator [09/01/18 - 08/31/19]; PI: Joanna Gilmore, College of Charleston; \$25,790.
- National Science Foundation BCS-1824826, “Genetic History of Western Georgia and Its Role in the Settlement of Eurasia.” Principal Investigator [04/01/19 – 12/31/23]; \$467,096.
- National Geographic Society Grant EC-52936R-18, “Genetic Diversity in the African American Community of Charleston, South Carolina.” Co-Investigator [06/01/18 - 05/31/19]; PI: Adeyemi Oduwale, College of Charleston; \$7,350.
- National Geographic Society CRE Grant #52378R-18, “Ancient DNA Diversity in African Americans from South Carolina: Insights into the African Diaspora and Charleston’s Historical Past.” Co-Principal Investigator [09/01/18 - 08/31/19]; PI: Ade Ofunniyin, College of Charleston; \$24,037.
- National Science Foundation DDRIG BCS-1825583, “Analysis of Genetic Ancestry in a 17<sup>th</sup> Century Archeological Population from the Chesapeake Bay Region.” Principal Investigator (Fleskes) [09/01/18 – 08/31/19]; \$32,200.
- National Geographic Society Early Career Grant, “Providing Insight into Genetic Heritage of Genghis Khan through Genealogy and Genetics.” Collaborator [04/01/18 - 03/31/19]; PI: Ayken Askapuli, Astana Medical University, Kazakhstan; \$9,700.

- National Science Foundation BCS-1751863 DDRIG “Mitochondrial DNA lineages and host-pathogen dynamics.” Principal Investigator (Friedrich) [01/01/18 – 12/31/22]; \$31,506.
- National Geographic Society Committee for Research and Exploration Grant, “Data Refuge Builds Storytelling: Three Stories from My Town.” Co-Principal Investigator [07/01/17 - 06/30/18]; PI: Bethany Wiggins, University of Pennsylvania; \$30,000.
- National Geographic Society Committee for Research and Exploration Grant, “Reconstructing the Genetic History of Adjara and Guria, Western Georgia.” Principal Investigator [01/15/17 - 11/14/18]; \$22,000.
- La Academia de Historia Dominicana Grant, “The Dominican Genome: In Search of Taíno Roots”, Principal Investigator [08/01/15 – 07/31/16]; \$25,000.
- National Geographic Society, Geno 2.0 Grant, “Genetic Diversity in Circum-Caribbean Populations and Its Implications for the Peopling of the Caribbean Basin.” Principal Investigator [09/01/13 – 03/31/17]; \$50,000.
- National Science Foundation BCS-1249281 (EAGER) Supplement, “Genetic Variation and Population History in Svanetia, Northwest Georgia.” Principal Investigator [06/01/13 – 10/31/13]; \$3,500.
- National Heart, Lung and Blood Institute (NIH) R01, “Mitochondrial-Nuclear Interactions and CVD Susceptibility.” Co-Investigator [04/01/12 – 04/30/15]; \$309,047. PI: Scott W. Ballinger, Department of Pathology, University of Alabama-Birmingham.
- National Geographic Society, “Genographic Project: Genetic Analysis of Native American Populations of North America: Phase 2” Principal Investigator [01/01/12 – 12/31/12]; \$55,650.
- National Science Foundation BCS-1249281 (EAGER), “Genetic Variation and Population History in Svanetia, Northwest Georgia.” Principal Investigator [08/01/12 – 11/30/13]; \$15,750.
- National Science Foundation, DDRIG BCS-1061349 (Gaieski) “Implications of genetic data knowledge on identity in a Native American descent community.” Principal Investigator (Gaieski) [02/25/11 - 07/31/12]; \$18,655.
- Social Sciences and Humanities Research Council (Canada), Major Collaborative Research Initiative, “Holocene Hunter-Gatherers of Northeast Asia.” Collaborator [01/01/11 - 12/31/17]; \$17,500. PI: Andrzej W. Weber, Department of Anthropology, University of Alberta.
- National Heart, Lung, and Blood Institute (NIH) R01 HL094518-01A1, “Mitochondrial associated CVD susceptibility in humans and mice.” Co-Investigator [08/30/09 – 08/29/11]; \$60,925. PI: Scott W. Ballinger, Department of Pathology, University of Alabama-Birmingham.
- National Institutes of Health, R03 DK 082521-02, “Transcriptional profiling of metabolic pathways in mitochondrial disease.” Co-Investigator [08/01/08 – 07/31/11]; \$25,000. PI: Scott W. Ballinger, Department of Pathology, University of Alabama-Birmingham.
- International Society of Infectious Diseases Fellowship #551100, “Analysis of ethnic differences in the distribution of TNF- $\alpha$  SNPs and human papillomavirus (HPV) infection.” Sponsor [Badano] [08/01/08 – 09/31/09]; \$7,500.
- National Institute of Child Health Development, 2-R24-HD-044964-06, “Population Studies Research Center.” Co-Investigator [12/01/08 – 11/30/13]; \$20,000. PI: Herb Smith, Population Studies Center, University of Pennsylvania.
- National Science Foundation, BCS-0726623 DDRIG “Analysis of Y-chromosome Variation in Indigenous Altaian and Altaian Kazakh Populations.” Principal Investigator (Dulik) [09/15/07 – 09/14/08]; \$14,372.
- National Science Foundation, BCS-0648822 DRRIG “Quantitative Assessment of Morphogenetic Patterns in the Developing Neocortex: Defining Evolutionary Units in the Neocortex.” Principal Investigator (Glotzer) [01/15/07 – 01/14/08]; \$7,546.

- National Science Foundation, BCS-0622589 DDRIG “An Ethnographic and Genetic Survey of Villages in Central Anatolia.” Principal Investigator (Gokcumen) [08/01/06 – 07/31/08]; \$12,000.
- Wenner-Gren Foundation, Dissertation Fieldwork Grant GR7550, “Diffeomorphic Analysis of Human Prenatal Anatomy: Quantitative Assessment of Morphogenetic Patterns in the Developing Cortex.” Principal Investigator (Glotzer) [11/01/06 – 10/31/07]; \$8,300.
- Social Sciences and Humanities Research Council of Canada, Major Collaborative Research Initiative 412-2005-1004, “Middle Holocene Hunter-Gatherers of Cis-Baikal, Siberia.” Co-Investigator [02/01/06 – 12/31/11]; \$95,000. PI: Andrzej W. Weber, Department of Anthropology, University of Alberta.
- National Cancer Institute, R01-CA08574, “Ethnic Differences in Prostate Cancer.” Co-Investigator [11/01/06 – 10/28/11]; \$30,000. PI: Timothy Rebbeck, Department of Biostatistics and Epidemiology, University of Pennsylvania.
- National Geographic Society, “Genographic Project: Genetic Analysis of Native American Populations of North America: Phase 1” Principal Investigator [05/01/05 – 12/31/12]; \$1,182,100.
- Fight for Sight, Grant-in-Aid GA04060, “Genetic Profile and Expression of Leber’s Hereditary Optic Neuropathy in Slavic Populations of Russia.” Principal Investigator [07/01/04 – 06/30/05]; \$15,000.
- National Science Foundation, Regular Grant, “Genetic Variation of Island Melanesia.” Co-Investigator [05/01/02 – 04/30/04]; \$20,000. PI: Jonathan Friedlaender, Department of Anthropology, Temple University.
- Social Sciences and Humanities Research Council of Canada, Major Collaborative Research Initiative, “Hunter-Gatherer Culture Change and Continuity in the Middle Holocene of the Cis-Baikal Region of Siberia.” Co-Investigator [02/01/01 – 01/31/06]; \$10,000. PI: Andrzej W. Weber, Department of Anthropology, University of Alberta.
- National Science Foundation, BCS-9414900, DDRIG “Population Genetic Analysis of Indigenous Peoples of Northeastern Siberia.” Co-PI [11/15/94 – 10/31/96]; \$11,966; PI: Douglas C. Wallace (Co-PI Schurr), Department of Biochemistry, Emory University.
- Wenner Gren Foundation for Anthropology Research, Pre-Doctoral Small Grant, “Population Genetic Analysis of Indigenous Peoples of Northeastern Siberia.” Principal Investigator [1994-97]; \$12,000.
- Leakey Foundation General Grant, “Population Genetic Analysis of Indigenous Peoples of Northeastern Siberia.” Principal Investigator [1994-97]; \$2,100.
- Sigma Xi Grant-in-Aid of Research, “Population Genetic Analysis of Indigenous Peoples of Northeastern Siberia.” Principal Investigator [1994-97]; \$1,000.

### **Intramural**

- University Research Foundation, “Exploring African Ancestry in Archeological and Modern Populations from Charleston SC.” Principal Investigator [01/01/19 - 12/31/22]; \$27,237.
- Penn Museum Director Field Funds, “Genetic History of Adjara and Guria, Georgia.” Principal Investigator [07/01/17 - 06/30/19]; \$5,000.
- MITO RAG Institute Core Facilities Utilization Grant, “Mitogenome Sequence Variation in Pakistani Populations.” Principal Investigator [01/01/16 – 06/30/16], \$3,000.
- University Research Foundation, “Genetic History of Los Floridanos, Florida’s First Spanish Families.” Principal Investigator [08/01/15 – 07/31/16]; \$5,675.
- Penn Museum Director Field Funds, “Reconstructing the Genetic Diversity of Georgia.” Principal Investigator [07/01/15 - 06/30/16]; \$5,000.

- Pincus-Magaziner Family Undergraduate Research and Travel Fund (Azzam), “Human Mitochondrial and Nuclear Genome Variants Implicated in Oxidative Phosphorylation (OXPHOS) Disorders.” Principal Investigator [01/15/15 – 5/31/15]; \$500.
- Pincus-Magaziner Family Undergraduate Research Grant (Brooks), “Gene flow among Totonacan-speaking populations and other linguistic groups from Veracruz and Puebla states of Mexico.” Principal Investigator [12/21/12 – 12/20/13]; \$1,000.
- Penn Undergraduate Research Mentorship (Zedek), “Genetic Variation in Maya Populations of Central Mexico.” Principal Investigator [06/01/12 - 08/15/12]; \$3,000.
- Penn Undergraduate Research Mentorship (Brooks), “Genetic Variation in Nahua Populations of Central Mexico.” Principal Investigator [07/01/12 - 09/10/12]; \$3,000.
- SAS Research Opportunity Grant, “Cultural Heritage and Population History of Tlingit and Haida Communities of Southeast Alaska.” Principal Investigator [07/01/12 – 06/30/13]; \$5,000.
- Penn Undergraduate Climate Action Grant (Gittelman), “The Role of ALDH3A1 Variation in Climatic Droplet Keratopathy in the Mapuche Indians of Argentina.” Principal Investigator [06/01/10 – 05/31/11]; \$4,500.
- Department of Anthropology, University of Pennsylvania, Undergraduate Research Award (Gau) “ADH Variation in Indigenous Altaian, Kazakh and Mongolian Populations.” Principal Investigator [06/01/10 – 05/31/11]; \$500.
- Center for Undergraduate Research (Gau), “ADH Variation in Indigenous Altaian, Kazakh and Mongolian Populations.” Principal Investigator [06/01/10 – 05/31/11]; \$500.
- Penn Undergraduate Research Mentoring Award (Villamil), “Analysis of mtDNA variation in archival hair samples from Native American populations.” Principal Investigator [05/01/08 - 06/30/09]; \$4,500.
- University Research Foundation, “Paternity Analyses and Genetic Structure of a Wild Monogamous Primate Population.” Co-Investigator [02/21/07 – 12/31/08]; \$30,000.
- Penn Global Health Initiative Fund, “Genetic, Ethnicity and Common Disease Risk.” Co-Investigator [08/01/07 - 07/31/08]; \$30,000.
- University Research Foundation, “Analysis of Biocultural Diversity in Ethnic Populations of Afghanistan.” Principal Investigator [03/01/05 – 02/28/06]; \$20,000.
- University of Pennsylvania Museum of Archeology and Anthropology, “Ancient DNA Feasibility Study: Hasanlu Human Remains.” Principal Investigator [10/1/05 – 6/30/06]; \$3,500.

## PUBLICATIONS

### Books, Edited Volumes and Monographs

- Yardumian A, **Schurr TG**. 2024. *The Peopling of the Caucasus: Early Human Settlement at the Crossroads of Continents*. Cambridge: Cambridge University Press (In press).
- Weber AW, Katzenberg MA, **Schurr TG**, editors. 2010. *Prehistoric Hunter-Gatherers of the Baikal Region, Siberia: Bioarchaeological Studies of Past Lifeways*. Philadelphia: University of Pennsylvania Press.

### Book Chapters

- Gómez R, **Schurr TG**, Meraz-Ríos MA. 2021. Diversity of Mexican paternal lineages reflects evidence of 500 years of admixture. In: Muñoz Moreno ML, Crawford MH, eds. *Human Migration: Biocultural Perspectives*. Oxford: Oxford University Press.
- Schurr TG**. 2019. Where tides of genes perpetual ebb and flow: What DNA evidence tells us about the peopling of the Americas. In: Suarez R, Ardelean C, eds. *People and Culture in Ice Age Americas: New Dimensions in Paleoamerican Archeology*. Salt Lake City: University of Utah Press, pp. 220-243.
- Schurr TG**, Benn Torres J, Vilar MG, Gaieski JB, Melendez C. 2016. An emerging history of indigenous Caribbean and circum-Caribbean populations: Insights from archeological, ethnographic, genetic, and historical studies. In: Zuckerman M, Martin DL, eds. *New Directions in Biological Anthropology: Papers Honoring the Legacy of George Armelagos*. Gainesville: University of Florida Press, pp. 385-402.
- Schurr TG**. 2015. Tracing human movements from Siberia to the Americas: New insights from genetic studies. In: Frachetti MB, Spengler RN, III, eds. *Mobility and Ancient Society in Asia and the Americas*. Basel: Springer, pp. 23-47.
- Schurr TG**. 2014. Human genetic diversity in a global context. In: Spooner BL, ed. *Globalization: The Crucial Phase*, Philadelphia: University of Pennsylvania Press, pp. 71-114.
- Schurr TG**. 2014. The genetic legacy of Genghis Khan. In: Fitzhugh W, Rossabi M, Honeychurch W, eds. *Genghis Khan and the Mongol Empire*, Washington DC: Arctic Studies Center and Odyssey Books, pp. 275-277.
- Schurr TG**. 2013. When did we become human? Evolutionary perspectives on the emergence of the modern human brain and culture. In: Hatfield G, Pittman H, eds. *The Evolution of Mind, Brain, and Culture*. Philadelphia: University of Pennsylvania Museum Press, pp. 45-90.
- Dulik MC, Lorenz JG, **Schurr TG**. 2011. Hasanlu IVB: An ancient DNA pilot project. In: Dyson R, M de Schaudensee, eds. *Aspects of Peoples and Crafts in Period IVB at Hasanlu, Iran: Hasanlu Special Studies Volume 4*, Philadelphia: University of Pennsylvania Museum Press, pp. 195-199.
- Schurr TG**, Pipes L. 2011. The prehistory of Mongolian populations: Evidence from cranio-facial, dental trait and genetic studies. In: Sabloff P, ed. *Mapping Mongolia: Situating Mongolia in the World from Geologic Time to the Present*, Philadelphia: University of Pennsylvania Museum Press, pp. 134-165.
- Kemp BM, **Schurr TG**. 2010. Ancient and modern genetic variation in the Americas. In: Auerbach B, ed. *Human Variation in the Americas: The Integration of Archeology and Biological Anthropology*. Carbondale: Center for Archeological Investigations, Occasional Paper No. 38, Southern Illinois University Press, pp. 12-50.
- Schurr TG**. 2010. Coastal waves and island hopping: A genetic view of Caribbean prehistory in the context of New World colonization. In: SM Fitzpatrick, A Ross, ed. *Island Shores, Distant Pasts: Archaeological and Biological Approaches to the Pre-Columbian Settlement of the Caribbean*. Gainesville: University of Florida Press, pp. 177-198.
- Schurr TG**, Osipova LP, Zhadanov SI, Dulik MC. 2010. Genetic diversity in native Siberian populations: Implications for the prehistoric settlement of the Cis-Baikal. In: Weber A,

- Katzenberg MA, Schurr TG, eds. *Prehistoric Hunter-Gatherers of the Baikal Region, Siberia: Bioarchaeological Studies of Past Lifeways*. Philadelphia: University of Pennsylvania Press, pp. 121-134.
- Friedlaender J, Friedlaender F, Hodgson J, McGrath S, Stoltz M, Koki G, **Schurr TG**, Merriwether DA. 2007. Mitochondrial DNA variation in northern Island Melanesia. In: Friedlaender J, ed. *Genes, Language, and Culture History in the Southwest Pacific*. Oxford University Press, pp. 61-80.
- Friedlaender J, Gentz F, Friedlaender F, Kaestle F, **Schurr T**, Koki G, Schanfield M, McDonough J, Smith L, Cerchio S, Mgone C, Merriwether DA. 2006. Mitochondrial genetic diversity and its determinants in island Melanesia. In: Pawley A, Attenborough R, Golson J, Hide R, eds. *Papuan Pasts: Cultural, Linguistic and Biological Histories of Papuan-speaking People*. Canberra: Australian National University Press, pp. 693-717.
- Schurr TG**. 2006. Tracking genes through time and space: Changing perspectives on New World origins. In: Bonnicksen R, Lepper B, Steele DG, Stanford D, Harris JA, Warren CN, Gruhn R, eds. *Paleoamerican Origins: Beyond Clovis*. College Station: Center for the Study of the First Americans, Texas A & M University, pp. 221-242.
- Schurr TG**, Donham BP, Morreale SC, Panter-Brick C, Donham DL, Armelagos GJ, Wallace DC. 2005. Genetic diversity in modern African populations: Its use for reconstructing ancient and modern population movements. In: Reed D, ed. *Biomolecular Archeology: Genetic Approaches to Reconstructing the Past*. Carbondale: Center for Archeological Investigations, Occasional Paper No. 32, Southern Illinois University Press, pp. 169-207.
- Schurr TG**. 2005. Genetic diversity in Siberians and Native Americans suggests an early migration to the New World. In: Madsen DB, ed. *Entering America: Northeast Asia and Beringia Before the Last Glacial Maximum*. Salt Lake City: University of Utah Press, pp. 187-238.
- Schurr TG**. 2004. An anthropological genetic view of the peopling of the Americas. In: Clark GA, Barton CM, Yesner D, Pearson G, eds. *The Settlement of the American Continents: A Multidisciplinary Approach to Human Biogeography*. Tuscon: Arizona State University Press, pp. 11-27.
- Thornton CP, **Schurr TG**. 2004. Prehistoric 'Europeans' in Xinjiang? A case for multiple interpretations. In: Bolin H, ed. *The Interplay of Past Present: Papers from a Session held at the 9th Annual EAA Meeting in St. Petersburg 2003*. Stockholm: Södertörn Archaeological Studies, no 1, pp. 85-98.
- Mooder KA, **Schurr TG**, Bamforth F, Bazaliiskii V. 2003. Mitochondrial DNA and archeology: The genetic characterization of prehistoric Siberian hunter-gatherers. In: Weber A, McKenzie H, eds. *Prehistoric Foragers of the Cis-Baikal, Siberia: Proceedings from the First Conference of the Baikal Archaeology Project*. Edmonton: Canadian Circumpolar Institute Press, pp. 187-196.
- Schurr TG**. 2003. Molecular genetic diversity of Siberian populations: Implications for ancient DNA studies of archeological populations from the Cis-Baikal region. In: Weber A, McKenzie H, eds. *Prehistoric Foragers of the Cis-Baikal, Siberia: Proceedings from the First Conference of the Baikal Archaeology Project*. Edmonton: Canadian Circumpolar Institute Press, pp. 155-186.
- Schurr TG**. 2003. A molecular anthropological view of the peopling of the Americas. In: Lepper BT, ed. *New Perspectives on the Peopling of the Americas*. College Station: Center for the Study of the First Americans, Texas A&M University, pp. 139-147.
- Schurr TG**, Wallace DC. 2003. Genetic prehistory of Paleoasiatic-speaking peoples of northeastern Siberia and their links to Native American populations. In: Kendall L, Krupnik I, eds. *Constructing Cultures Then and Now: Celebrating Franz Boas and the Jesup North Pacific Expedition*. Baltimore: Smithsonian Institution Press, pp. 239-258.
- Wallace DC, Brown MD, **Schurr TG**, Chen E, Chen YS, Starikovskaya YB, Sukernik RI. 2000. Global mitochondrial DNA variation and the origins of Native Americans. In: Aloisi M, Battaglia B, Carafoli E, Danieli GA, eds. *The Origin of Humankind*. Venice: IOS Press, pp. 9-11.



**Schurr TG**, Wallace DC. 1999. mtDNA variation in Native Americans and Siberians, and its implications for the peopling of the New World. In: Bonnicksen R, ed. *Who Were the First Americans: Proceedings of the 58<sup>th</sup> Annual Biology Colloquium*. Corvallis: Center for the Study of the First Americans, pp. 41-77.

## Peer-Reviewed Articles<sup>1</sup>

### In Review

- Friedrich VK, Hoke MK, **Schurr TG**. 2023. Conducting human biological research using invasive clinical samples: Methods, strengths, and limitations. *Am J Hum Biol*
- Fleskes RE, Johnson SJ, TP Honap, Abin CA, Gilmore JK, Oubré L, Ofunniyin AA, Lewis CM, **Schurr TG**. 2023. Oral health and microbiome diversity in 18<sup>th</sup> century African descended individuals from Charleston, South Carolina. *Commun Biol* (Under revision)
- Tariq M, Farooq U, Jehan S, **Schurr TG**. 2023. Genetic diversity in two ethnic groups from the Mohmand and Peshawar Districts of Khyber Pakhtunkhwa, Pakistan. *PLoS ONE* (Under revision)

### Published<sup>2</sup>

- Gilmore JA, Ofunniyin AA, Oubré OL, Fleskes RE, **Schurr TG**. 2024. The dead have been awakened in the service of the living: Activist community-engaged archaeology in Charleston, SC. *Amer Antiq* 89(2) (In press).
- Schurr TG**, Shengelia R, Shamooun-Pour M, Chitanava D, Laliashvili S, Laliashvili I, Kibret R. Kume-Kangolo Y, Akhvlediani I, Mathieson I, Yardumian A. 2023. Genetic analysis of Mingrelians reveals long-term continuity of populations in western Georgia (Caucasus). *Genome Biol Evol* 15(11):evad198 (<https://doi.org/10.1093/gbe/evad198>).
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<sup>1</sup> *Citation Indices (11-01-23)*: Google Scholar reports 13,893 total citations with 2,754 since 2018; H-index is 47 with i10-index of 92; Research Gate reports Research Interest Score of 5,371 with 10,912 citations; Top 95%; H-index=45; Scopus reports 8,134 total citations by 5605 documents; H-index is 39.

<sup>2</sup> *Impact Factor of Journals 2023*: Archaeology and Anthropological Sciences = 2.213; American Anthropologist = 2.327; American Journal of Human Biology = 2.83; American Journal of Human Genetics = 11.025; American Journal of Physical Anthropology = 2.868; Annals of Human Biology = 1.533; Annals of Human Genetics = 1.67; Annual Review of Anthropology = 3.448; Archives of Virology = 2.574; Biochemical and Biophysical Research Communications = 3.575; Biochemical Journal = 3.766; Biology Letters = 3.703; BMC Bioinformatics = 3.169; BMC Genomics = 3.969; Circulation Cardiovascular Genetics = 4.534; Current Biology = 10.900; Diabetes = 9.461; European Journal of Human Genetics = 4.246; Folia Primatologia = 1.246; Forensic Sciences International Genetics = 4.453; Genetica = 1.082; Genetics = 1.848; Genome Biol Evol = 3.416; Human Biology = 0.553; Human Genetics = 4.132; Human Genomics = 4.639; Human Immunology = 2.85; Human Mutation = 4.878; Infection Genetics and Evolution = 3.342; Integrative and Comparative Biology = 3.326; International Journal of Immunogenetics = 2.385; International Journal of Primatology = 1.927; iScience = 5.458; Journal of Anthropological Research = 1.9; Journal of Archeological Sciences = 3.030; Journal of Archaeology Sciences: Reports = 3.00; Journal of Clinical Virology = 3.168; Journal of Computational Biology = 1.479; Journal of Human Genetics = 3.172; Journal of Medical Virology = 2.327; Journal of Molecular Biology = 6.151; Journal of Molecular Evolution = 2.395; ; Journal of Systematics and Evolution = 4.098; Mitochondrial DNA Part A = 1.695; Mitochondrion = 4.16; Molecular Biology and Evolution = 16.24; Molecular Phylogenetics and Evolution = 4.286; Nature Communications = 14.919; PLoS Biology = 8.029; PLoS Computational Biology = 4.475; PLoS Genetics = 5.917; PLoS ONE = 3.24; Proceedings of the National Academy of Sciences USA = 11.025; Proceedings of the Royal Society B = 5.530; Russian Journal of Genetics = 1.082; Science = 47.728; Scientific Reports = 4.996; Virology = 3.616; Virus Research = 3.303

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## CONFERENCE, SYMPOSIUM AND WORKSHOP PRESENTATIONS

- "AI in Anthropology." Center for East Asian Studies Dialogue, 'CEAS on AI: Digital Learning in the East Asia Classroom', University of Pennsylvania, Philadelphia, PA: September 2023.
- "The Impact of Public Science on Charleston's Reckoning of Its Past." Association for the Study of African American Life and History Conference. Association for the Study of African American Life and History Conference, Jacksonville, FL; September 2023.
- "The genetic landscape of Samegrelo, western Georgia (Caucasus)." American Association of Biological Anthropologists Meeting, Denver, CO; March 2022 [in-person and virtual].
- "Genetic diversity in contemporary Charleston African Americans: Connecting ancestral and descendant communities." American Association of Anthropologists Meeting, Baltimore, MD; November 2021.
- "Genetic Diversity in Contemporary Charleston African Americans: Connecting Ancestral and Descendant Communities." American Association of Physical Anthropology Meeting; April 2021 [virtual].
- "Reconstructing the Population History of Mexico and the Caribbean," Penn in Latin America and the Caribbean Symposium, Philadelphia, PA; October 2020 [virtual].
- "Bioarcheological and Genomic Analysis of 18<sup>th</sup> Century Enslaved Africans from Charleston SC." Archeological Science Working Group, Penn Museum, Philadelphia, PA; January 2020.
- "Genetic Diversity in Georgia and Its Implications for the Human Settlement of the Highland Caucasus. 'Genomics for Cultural Heritage' session, Eastern Analytical Symposium and Exposition, Plainsboro, NJ; November 2019.
- "Mitochondrial Haplogroup Predicts Cardiotoxicity from Doxorubicin Treatment in Leukemia Patients." Mitochondrial Research Affinity Group Retreat; Philadelphia, PA; May 2019.
- "Genomic Perspectives on North American Prehistory." "Conference 'Centenary of Human Population Genetics', Vavilov Institute of General Genetics, Moscow, Russia; May 2019.
- "Genetic Diversity and Population History in Georgia." Congress 'Genetics in XXI Century', Vavilov Institute of General Genetics, Moscow, Russia; May 2019.

- “Genetic History of Los Floridanos, Florida’s First Spanish Families.” American Association of Physical Anthropology Meetings, Cleveland, OH; March 2019.
- “Analysis of Biogeographic Ancestry Reveals Complex Genetic Histories for Indigenous Communities of St. Vincent and Trinidad.” Latin American Biological Anthropology Meetings, Mayagüez, Puerto Rico; November 2018.
- “Ethnohistory, Social Organization and Genetic Diversity in Northwest Pakistan.” American Association of Physical Anthropology Meetings, Austin, TX; April 2018.
- “Bioethical Dimensions of Population Genetic Research in the Caucasus.” American Anthropological Association Meetings, Washington DC; November 2017.
- “Genetic Diversity in Georgia and Its Implications for the History of the South Caucasus.” Shiraki International Multidisciplinary Research Workshop, Tbilisi, Georgia; October 2017.
- “The Genetic History of North American Indigenous Populations.” Shiraki International Multidisciplinary Research Workshop: Changes in Paleoenvironment and Its Influence on Humans, Dedoplistskaro, Georgia; October 2017.
- “Genetic Genetic History Project.” South Caucasus Colloquium, ISAW, New York; December 2016.
- Discussant, “Racing Extinction” film, Penn Program in Environmental Humanities “Timescales” Conference. Philadelphia, PA; October 2016.
- Discussant, “John Willinsky: Open Access Has Been an Intellectual Property of Learning and What You Can Do About It” event. University of Pennsylvania, Philadelphia, PA; October 2016.
- “Socio-ecology of Circumarctic Populations of the Northwest Territories.” Penn Program in the Environment Humanities, University of Pennsylvania, Philadelphia, PA; September 2016.
- “Genetic History of the Major Tribes of Pakistan.” American Association of Physical Anthropology Meetings, Atlanta, GA; April 2016.
- Discussant, “Addressing Student Concerns: 30 Years of Student Leadership – Strategically Moving Anthropology Forward” Session. American Anthropological Association Meetings, Denver, CO; November 2015.
- “Genetic Diversity and Population History in Svaneti, Northwestern Georgia.” Caucasian Civilizations - Interdisciplinary Research Conference, Mestia, Georgia; September 2015.
- “Genetic Diversity in Indigenous Populations of the Americas.” Ninth International Society for Applied Biological Sciences Conference, Brac, Croatia; June 2015.
- “Genetic Variation in Central Asia and Its Implications for Studies of Human Genomic Diversity.” 2nd International Conference on Personalized Medicine and Global Health, Astana, Kazakhstan; May 2015.
- “Genetic Diversity and Population History in Svaneti, Northwestern Georgia.” American Association of Physical Anthropology Meetings, St. Louis, MO; March 2015.
- “Reconstructing the Genetic History of Indigenous Caribbean Populations.” Second International Garifuna Conference, Kingstown, St. Vincent & the Grenadines; March 2015.
- “Svan Population and Genetic History.” South Caucasus Colloquium, Institute for the Study of the Ancient World, New York; December 2014.
- Responder, Culture@Large session, “The Future of Race in Science: Regression or Revolution?” American Anthropological Association, Washington, DC; December 2014.
- “Exploring the Genetic History of the Caribbean.” Mid-Atlantic Biological Anthropology Association Meeting, Richmond, VA; October 2014.
- “Human History, Adaptation and Disease as Seen Through the Mitochondrial DNA.” 44<sup>th</sup> Congress of the International Society for the History of Medicine, Tbilisi, Georgia; September 2014.

- “Examining the Role of Climate, Ecology and Adaptation in Models of Human Dispersals into the America.” Pleistocene Human Dispersals: Climate, Ecology and Social Behavior Workshop, USIPP Conference, Burgos, Spain: September 2014.
- Discussant, “The Incas and their Origins: A Cross-Disciplinary Conspectus. Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany: June 2014.
- Discussant, “Rethinking the Andes-Amazonia ‘Divide’: A Cross-Disciplinary Conspectus.” Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany: June 2014.
- “Spheres of Interaction in Northeast Asia during the Holocene.” Baikal-Hokkaido Archeology Project Workshop, Edmonton, Alberta, Canada: May 2014.
- “Holocene Interactions in Northeast Asia from Biological Anthropology and Genetic Perspectives.” Baikal-Hokkaido Archeology Project Workshop, Edmonton, Alberta, Canada: May 2014.
- “Early Human Occupation during the Ice Age in the Americas: New Directions and Advances.” Society for American Archeology Meetings, Austin, TX: April 2014.
- “Analysis of Y-chromosome Diversity in Indigenous Mexican Populations Reveals Complex Paternal Haplogroup Structure in the New World.” American Association of Physical Anthropology Meetings, Calgary, Alberta, Canada: April 2014.
- “American Colonization and Prehistory” Workshop, University of Missouri, Columbia, MO: March 2014.
- “Genetic Diversity in the Greater and Antilles and Its Implications for the Peopling of the Caribbean,” Caribbean-Antillean Indigeneity: Challenges and Successes Conference, Humacao, Puerto Rico: November 2013.
- “Rare Variants, Human Population Growth, and Purifying Selection” Session, Discussant. Brazilian Evolution Meetings, Porto Alegre, Brazil: November 2013.
- “Genetic Diversity in the Greater and Lesser Antilles and Its Implications for the Peopling of the Caribbean.” Undécimas Jornadas Nacionales de Antropología Biológica Buenos Aires, Argentina: October-November 2013.
- “Tracing Human Movements across Siberia and into the Americas: New Insights from Mitochondrial DNA and Y-chromosome Data.” Paleoamerican Odyssey Conference, Santa Fe, NM: October 2013.
- Roundtable on Genetic Ancestry Inference, American Society of Human Genetics, Washington, DC: September 2013.
- “Ancient and Modern Genetic Variation in the Americas: A North American Perspective on the Peopling the New World.” HEADS Meeting: The First Peopling of the Americas and the World Heritage Convention, Puebla, Mexico: September 2013.
- “Genetic Diversity in the Lesser Antilles and Its Implications for the Settlement of the Caribbean Basin.” NHLBI Mitochondrial Biology Symposium: Mitochondrial Genetics in Health and Disease, Bethesda, MD: May 2013.
- “Reflections on an Education in Biocultural Anthropology at Emory University.” American Association of Physical Anthropology Meetings, Knoxville, TN: April 2013.
- “Genetic Diversity and Migration History of Indigenous Populations from the Central Valley of Mexico.” American Society of Human Genetics Meetings, San Francisco, CA: November 2012.
- “New Perspectives on the Early Peopling of the Americas as Revealed by Anthropological Genetic Studies.” New England Antiquities Research Association Meeting, Taunton, MA: October 2012.
- “The Timing and Process of the Colonization of South America: A North American Perspective.” In ‘Early Man in South America: New Paradigms in Late Pleistocene/Early Holocene Biological Anthropology’ Session, American Association of Physical Anthropology Meetings, Portland, OR: April 2012.

- “Tracing Human Movements Across Eurasia and into the Americas: New Insights from Genetic Studies.” Second International Conference on the Great Migrations: Asia to America, Columbia University, NY: December 2011.
- “Genetic Histories of Gwich’in and Inuvialuit populations of Northwest Territories, Canada.” American Association of Physical Anthropology Meetings, Minneapolis, MN: April 2011.
- “The Peopling of the Americas: New Perspectives from Genetic Studies.” Iris McGillivray Memorial Lecture, Annual Spring Symposium of the Archeological Society of Maryland, Crownville, MD: April 2011.
- “Genetic Diversity in Wiyot Populations of Northern California.” Society for California Archaeology 45<sup>th</sup> Annual Meeting, Rohnert Park, CA: March 2011.
- “Genetic Perspectives on Circumpolar Population History.” ‘Peopling of the Americas’ Workshop, Santa Fe Institute, Santa Fe, NM: September 2010.
- “The Current Status of the Three-Wave Migration Model.” American Association of Physical Anthropology Meetings, Albuquerque, NM: April 2010.
- “Genetic Variation at the Local Scale: Insights from Ethnographic Fieldwork in Siberia and the Americas.” ‘Genetic Anthropology at the Fine Scale’ Workshop, American Society of Human Genetics Meetings, Honolulu, HI: October 2009.
- “Human Genetic Diversity in a Global Context.” ‘Globalization in Progress: Understanding and Working with World Urbanization’ Conference, University of Pennsylvania, Philadelphia, PA: October 2009.
- “Bioarcheological Insights into the Prehistory of Neolithic and Bronze Age Populations from the Cis-Baikal Region of Siberia.” 2<sup>nd</sup> International Science Conference: Defining Parent Populations, Los Angeles, CA: May 2009.
- “Characterization of *TAS2R38* (phenylthiocarbamide) Haplotype Diversity in Altaian Populations from South-Central Siberia.” American Association of Physical Anthropology Meetings, Chicago, IL: April 2009.
- “Reconstructing the Genetic History of South-Central Siberia: mtDNA and Y-chromosome Data from Kazakhs, Mongolians and Indigenous Altaians.” Hunter-Gatherer Archaeology of the Northern Pacific Rim Conference, Edmonton, Alberta, Canada: October 2008.
- “Using Genetics to Explore Xiongnu and Mongolian History.” International Conference on Xiongnu Archaeology, Ulaanbaatar, Mongolia: October 2008.
- “Mitochondrial Diseases in Ukraine: The Role of mtDNA Mutations in Complex Clinical Syndromes and Neurological Disorders.” Third International Congress, ‘Inherited Metabolic Diseases’, Kharkiv Specialized Medical Genetic Center, Kharkiv, Ukraine: June 2008.
- “Searching for the Eurasian roots of Native American populations: Evidence from mtDNA, Y chromosome and autosomal DNA studies.” Center for Archaeological Investigations Visiting Scholar Conference, ‘Human Variation in the New World’, Carbondale, IL: April 2008.
- Discussant, “Genes, Sexual Behavior and Fertility” Session, organized by Doug Ewbank. Population Association of America Annual Meeting, New Orleans, LA: April 2008.
- “The Spatial Aspects of Recent Human Evolution,” Discussant. First Biological Evolution Workshop, Porto Alegre, Rio Grande do Sul, Brazil; November 2007.
- “The Evolution of Mind, Brain and Culture” Workshop, Discussant. Penn Museum Conference, Philadelphia PA; September 2007.
- “Autosomal STR Diversity in Southeastern Ankara: Forensic and Anthropological Implications.” Fifth ISABS Conference in Forensic Genetics and Molecular Anthropology, Split, Croatia; September 2007.
- “Genetic Prehistory of Anatolia: An Anthropological Perspective,” ‘A Picture from History: Etruscans’ Conference’, Bodrum, Turkey: June 2007.



- “Genetic Diversity in Indigenous Populations from the Altai Region: Implications for the Prehistory of Siberia.” ‘The Ethnohistory and Archaeology of Northern Eurasia: Theory, Methods and Practice’ Conference, Irkutsk, Russia: May 2007.
- “The Prehistory of Mongolian Populations: Evidence from Craniometric, Dental Trait and Genetic Studies.” ‘Mapping Mongolia’: Penn Museum International Research Conference, Philadelphia PA: May 2007.
- “The Peopling of the Americas.” Presidential Forum, Society for American Archeology Meeting, Austin TX: April 2007.
- “The Genographic Project and the Peopling of the Americas.” Latin American Biological Anthropology Meetings, Ouro Preto, Brazil: October 2006.
- “Genetic Variation in Caribbean Populations and the Settlement of the New World.” Society for American Archeology Meetings, San Juan, Puerto Rico: April 2006.
- “The Genographic Project: A Global Survey of Human Genetic Diversity.” Association of Physical Anthropology Meetings, Anchorage, AK: March 2006.
- “Influence of Population Background on the Etiology of Prostate Cancer in Men of African Descent: The Prostate Genetics Research in Senegal (PROGRÉS) Study.” Human Biology Association Meetings, Anchorage, AK: March 2006.
- “Human Evolution and the Media.” American Anthropological Association Meetings, Washington, DC: November 2005.
- “Spatial Rendering of Genetic Data in Conjunction with Eco-Cultural Modeling: The Americas.” GARP Eco-Modeling Conference, Les Eyzies, France: September 2005.
- “Mitochondrial DNA variation in northern Altaians: Affinities with Siberian and Turkic populations.” American Association of Physical Anthropology Meetings, Milwaukee, WI: April 2005.
- “A Biocultural Perspective on the Prehistory of the Tarim Basin”, Xinjiang: Central Asia or China? Conference, University of California, Berkeley, CA: March 2004.
- “Asiatic Roots in the Genetic Makeup of Amerindians.” American Society of Human Genetics Meetings, Toronto, Ontario, Canada: October 2004.
- “A Biocultural Perspective on the Prehistory of the Tarim Basin”, Xinjiang: Central Asia or China? Conference, University of California, Berkeley, CA: March 2004.
- “Biocultural Perspectives on Migrations and Adaptations in Beringian Prehistory.” The Ecology and Political Economy of Beringia Conference, King’s College, Aberdeen, Scotland; September 2004.
- “Genetic perspectives on coastal migrations and adaptations in the Pacific Rim.” Human-Gatherer Coastal Migrations Conference, Marischal College, Aberdeen, Scotland; May 2004.
- “mtDNA Variation in Indigenous Altaians, and Their Genetic Relationships with Siberian and Mongolian Populations.” American Association of Physical Anthropology Meetings, Tampa, FL: April 2004.
- “Mitochondrial DNA Variation in Altaian Populations, the Putative Progenitors of Eurasian and Native American Populations.” American Society for Human Genetics, Los Angeles, CA: November 2003.
- “The Effects of Migration and Gene Flow on Population Diversity.” Paper given in session, ‘Exploring the Nature of Human Biological Variation: Myth vs. Reality,’ Sponsored by the AAA Public Education Initiative on Race and Human Variation, Biological Anthropology Section, and AAA Committee on Minority Affairs. AAA Meetings, Chicago, IL: November 2003.
- “The Nature of Human Diversity: A Genetic Perspective.” Human Origins 101 Program, University of Pennsylvania Museum of Archeology and Anthropology, Philadelphia, PA: November 2003.

- “Genetic Variation in Ethiopia: History and Diversification of East African Populations.” African Studies Workshop Consortium, University of Pennsylvania, Philadelphia, PA; October 2003.
- “Genetics and Race.” Symposium on PBS Series, ‘Race -- The Power of Illusion.’ The Franklin Institute Science Museum, Philadelphia, PA. Programs for high school students and for adults: May 2003.
- “mtDNA Variation in Central Siberians Identifies West Eurasian and East Asian Components of Their Gene Pool.” American Association of Physical Anthropology Meetings, Tempe, AZ; April 2003.
- “The Peopling of the New World: Demographic and Evolutionary Features.” Human Biology Association Meetings, Tempe, AZ; April 2003.
- “MtDNA Variation and the Origins of the Aleuts.” Human Origins and Diseases, Cold Spring Harbor Meetings, Cold Spring Harbor, NY; October 2002.
- “Post-glacial Expansions of Beringian Populations: A Molecular Genetic Perspective.” 17th Biennial Meeting of the American Quaternary Association (AMQUA): Environmental Change and Human Migration in the North Pacific Basin. Anchorage, AK: August 2002.
- “Genetic Diversity in Modern African Populations and Its Use for Reconstructing Ancient and Modern Population Movements.” Biomolecular Archeology Conference: Genetic Approaches to Reconstructing the Past. Center for Archaeological Investigations, Southern Illinois University, Carbondale, IL: April 2002.
- “The Ethnic Origins of an Enigmatic South Asian Population, the Kalasha of Northern Pakistan, as Revealed by mtDNA Variation.” Human Biology Association meetings, Buffalo, NY: April 2002.
- “Molecular Genetic Diversity of Siberian Populations: Implications for Ancient DNA Studies of Archeological Populations from the Cis-Baikal Region.” Canadian Archeological Association Meetings, Banff, Alberta, Canada: May 2001.
- “Genetic Diversity in Siberians and Native Americans Suggests an Early Migration to the New World.” Society for American Archaeology Meetings, New Orleans, LA: April 2001.
- “A Mitochondrial DNA Perspective on Asian and Native American Population Relationships.” American Association of Physical Anthropology Meetings, Kansas City, MO: March 2001.
- “Genetic Diversity in Southeast Asian Populations.” American Association of Physical Anthropology Meetings, Kansas City, MO: March 2001.
- “The Role of Mitochondrial DNA Mutations in Aging.” Human Biology Association Meetings, Kansas City, MO: March 2001.
- “A Molecular Genetic Perspective on the Peopling of the New World.” International Colloquium on the First Americans, Kyoto, Japan; January 2001.
- “A Molecular Genetic Perspective on the Peopling of the New World.” Arctic Anthropology Meetings, Lawrence, KS: November 2000.
- “Mitochondrial DNA Diversity in Lower Amur River Populations: Implications for the Genetic History of the North Pacific and the New World.” American Association of Physical Anthropology Meetings, San Antonio, TX: April 2000.
- “Mitochondrial DNA Variation in Ethiopian Populations: Evidence of Regional Diversification of East Africa.” American Association of Physical Anthropology Meetings, San Antonio, TX: April 2000.
- “Mitochondrial DNA Variation in Nepalese Populations: Genetic Differences among Himalayan Ethnic Groups.” Human Biology Association Meetings, San Antonio, TX: April 2000.
- “Molecular Genetic Ties Between East Asia and the New World.” American Association for the Advancement of Science Meetings, Washington, DC: February 2000.

- “Tracking Genes Through Time and Space: Changing Perspectives on New World Origins.” Clovis and Beyond Meetings, Santa Fe, NM: October 2000.
- “A Molecular Anthropological View of the Peopling of the Americas.” Clovis and Beyond Meetings, Santa Fe, NM: October 2000.
- “Reevaluating Siberia as a Source Area for Ancestral Native American Populations.” American Association of Physical Anthropology Meetings, Columbus, OH: April 1999.
- “Genetic Associations Across the Bering Strait: Continuities and Discontinuities.” American Association of Physical Anthropology Meetings, Salt Lake City, UT: April 1998.
- “Genetic Associations Across the Bering Strait: Continuities and Discontinuities.” American Association for the Advancement of Science meetings, Philadelphia, PA: February 1998.
- “Genetic Prehistory of Paleoasiatic-speaking Peoples of Northeastern Siberia (Chukchi, Koryaks, Itel'men) and Their Links to Native American Populations.” Jesup Centenary Conference, American Museum of Natural History, New York, NY: November 1997.
- “Genetic Prehistory of Paleoasiatic-speaking Peoples of Northeastern Siberia (Chukchi, Koryaks, Itel'men) and Their Links to Native American Populations.” American Society of Human Genetics Meetings, Baltimore, MD: October 1997.
- “Using DNA to Model the Peopling of the Americas.” 58th Annual Biology Colloquium, Sponsored by the Center for the Study of the First Americans, Oregon State University, Corvallis, OR: April 1997.
- “The Nature of mtDNA Variation in Native Americans: Founding Lineages, ‘Other’ Haplotypes and Genetic Diversity of Ancestral Populations.” American Association of Physical Anthropology Meetings, St. Louis, MO: April 1997.
- “Mitochondrial DNA Variation in Koryaks and Itel'men of Kamchatka: Genetic Prehistory of Paleoasiatic Populations of Northeastern Siberia.” American Association of Physical Anthropology Meetings, St. Louis, MO: April 1997.
- “Mitochondrial DNA Variation in the Koryaks: Ancient and Recent Population Expansions in the Okhotsk Sea-Bering Sea Region.” Ninth International Congress of Human Genetics, Rio de Janeiro, Brazil: August 1996.
- “Mitochondrial DNA Diversity in Coast Chukchi and Siberian Eskimos: Insights into the Genetic History of Ancient Beringia.” Ninth International Congress of Human Genetics, Rio de Janeiro, Brazil: August 1996.
- “The Genetic Prehistory of Ancestral Beringian Populations as Revealed by the mtDNA Variation in Koryaks, Chukchi and Siberian Eskimos.” Alaskan Anthropological Association Meetings, Fairbanks AK: April 1996.
- “Coast Chukchi and Siberian Eskimo mtDNA Variation and the Prehistory of Ancient Beringian Populations.” American Association of Physical Anthropology Meetings, Durham NC: April 1996.
- “Mitochondrial DNA Variation in an Aboriginal Australian Tribe: Evidence for Genetic Isolation and Regional Differentiation.” American Association of Physical Anthropology Meetings, Durham NC: April 1996.
- “A New Biocultural Model for the Evolution of a Dietary Practice: Alkali Maize Processing and Fungal Detoxification.” American Anthropological Association Meetings, Washington DC: November 1995.
- “Mitochondrial DNA variation in Nymylan Koryaks of the Karaginskiy District, Kamchatka.” American Association of Physical Anthropology Meetings, Oakland CA: March 1995.
- “Mitochondrial DNA Variation of Southeast Asian Populations and Migrations to the Pacific Basin.” American Anthropological Association Meetings, Atlanta GA: November 1994.

- “The Use of *Amanita muscaria* in Shamanistic Practices by Aboriginal Siberians.” American Anthropological Association Meetings, Atlanta GA: November 1994.
- “Mitochondrial DNA Variation in Indigenous Siberian Populations Reveals Distinct Genetic Affinities with Native Americans.” AAAS Arctic Science Conference, ‘Scientific Bridges Between North America and the Russian Far East: Past, Present and Future,’ Vladivostok, Russia: August 1994.
- “Mitochondrial DNA Variation and the Human Colonization of Siberia and the Americas.” American Association of Physical Anthropology Meetings, Toronto, Ontario, Canada: April 1993.
- “Native American mtDNA Analysis Confirms Multiple Migrations to the New World.” American Anthropological Association Meetings, San Francisco CA: November 1992.
- “Human Mitochondrial DNA. Variation in Southeast Asians.” American Anthropological Association Meetings, New Orleans LA: November 1990.

## **SYMPOSIA ORGANIZATION**

- “Community Engaged Activist Archaeology: The Anson Street African Burial Ground Project.” Session organized with Joanna Gilmore, La’Sheia Oubre and Raquel Fleskes for the Association for the Study of African American Life and History Conference, Jacksonville, FL; September 2023.
- “May Their Hearts Be Perfectly at Peace: The Anson Street African Burial Ground Project,” Executive Session, American Anthropological Association Meeting, St. Louis, MO; organized session with Raquel Fleskes; November 2021.
- “Genomic Diversity in South Asia and Its Implications for the Population History of Modern Humans.” AAAG-AAPA Invited Session, American Association of Physical Anthropology Annual Meeting, Austin, TX; organized and chaired session: April 2018.
- “Exploring the Nature of Human Biological Variation: Myth vs. Reality.” Co-organized with Wenda Trevathan and Miguel Diaz Barriga. Sponsored by the AAA Public Education Initiative on Race and Human Variation, Biological Anthropology Section, and AAA Committee on Minority Affairs. AAA Meetings, Chicago IL: November 2003.
- “Do Molecular Genetic Studies of Human Population Variation Reify Racial Categories?” Invited Session, National Association of Student Anthropologists. American Anthropological Association Meetings, Atlanta GA; organized and chaired session: November 1994.
- “The Genetics of Beringian Populations.” Invited Session, National Association of Student Anthropologists. American Anthropological Association Meetings, Washington DC; co-organized and co-chaired session: November 1993.

## INVITED LECTURES

- “mtDNA Diversity in Ethnic Georgians and Its Implications for the Peopling of the South Caucasus.” Center for Mitochondrial and Epigenomic Medicine, University of Pennsylvania; March 2024.
- “mtDNA Diversity in 18th-Century and Contemporary African Americans from Charleston, South Carolina.” Mitochondrial Research Affinity Group, University of Pennsylvania; January 2024.
- “Community Engaged Ancient DNA and Microbiome Research Provides Insights into the Lives of 18<sup>th</sup> century African Americans in Charleston, South Carolina.” Department of Anthropology, University of Pennsylvania, Philadelphia, PA; September 2023.
- “Genomic Diversity in the Caribbean: A Complex Legacy of Taíno, African and European Ancestries.” Department of Biology, Millersville University, Millersville PA; March 2023.
- “The Anson Street African Burial Ground Project: History, Achievements and Future Directions,” Medical University of South Carolina, Charleston, SC; May 2022.
- “Genomic Diversity in the Caribbean: A Complex Legacy of Taíno, African and European Ancestries.” Department of Anthropology, University of Oklahoma, Norman, OK; February 2022.
- “The Peopling of the Americas: Insights from Genetic Studies.” The Cosmopolitan Club, Philadelphia, PA; April 2021.
- “The Anson Street African Burial Ground Project.” National Geographic Society, Washington, DC; February 2020.
- “Rethinking Race, Biology and Genetics: A 21<sup>st</sup> Century Perspective.” College of Charleston, Department of Sociology and Anthropology, Charleston, SC; September 2019.
- “Bioarcheological and Genomic Analysis of 18<sup>th</sup> Century Enslaved Africans from Charleston SC.” Archeology/Anthropological Sciences Working Group, Penn Museum; January 2019.
- “The Nature of Human Nature: A Post-Genomics Perspective.” ‘Natures’ Colloquium Series, Department of Anthropology, University of Pennsylvania, Philadelphia, PA; March 2018.
- “Mitochondrial Genetic History of the Major Tribes of Northwest Pakistan.” Penn Mitochondrial Research Affinity Group, Philadelphia, PA; November 2016.
- “Georgia Genetic History Project.” Graduate Anthropology Forum, Department of Anthropology, University of Pennsylvania, Philadelphia, PA; September 2016.
- “Genetic Prehistory of Eurasia and the Peopling of the Americas.” Year of Russia Program, Kennesaw State University, Kennesaw, GA; September 2016.
- “El Genoma Dominicano: En Búsqueda de la Raíces Taínas - Initial Findings. Academia Dominicana de Historia, Santo Domingo, Dominican Republic; July 2016.
- “Reconstructing the Complex Genetic History of Indigenous Caribbean Populations.” Missions Programs, National Geographic Society, Washington, DC; June 2015.
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**PUBLIC SCIENCE & SYNERGISTIC ACTIVITIES**

- “Anson Street African Burial Ground Project Research Update.” Gaillard Center, Charleston SC; 4 May 2023.
- “Community-engaged ancient DNA project reveals diverse origins of 18th-century African descendants in Charleston, South Carolina.” *Science Society on Clubhouse*, New York University, Catarina Cunha, moderator; 2 March 2023.
- “ASABG tracing African ancestry and genealogies.” *The African Ancestry Experience*, *AfricanAncestry.com*, Dr. Gina Paige, moderator; 15 February 2023.
- “Raising the Volume Episode XXVII: Anson Street African Burial Project.” Education Workshop for Middle School and Up, Gaillard Center, Charleston, SC.
- Anson Street African Burial Ground Project, Gaillard Center, Charleston, SC (<https://gaillardcenter.org/anson-street-burial-project>).
- “The Burials of the Basilica of St. Mary of the Immaculate Conception: Bioarchaeology and Future DNA Research on the Skeletal Collection.” The Basilica of St. Mary of the Immaculate Conception, Norfolk, VA; presentation with Drs. David Brown, Raquel Fleskes, and Dana Kollmann; September 2022.
- “Truth Rising: Honoring African Presence in Charleston.” Cannon Street Arts Center, Charleston, SC; May 2022.
- Reflections on the Third Anniversary of the Anson Street Ancestors reburial. Charleston, SC (<https://www.facebook.com/groups/asabg>); May 2022.
- “Anson Street African Burial Ground Project Research Update.” Cannon Street Arts Center, Charleston, SC; May 2022.
- “Anson Street African Burial Ground Project Reanimation,” Cannon Street Arts Center, Charleston, SC; February 2022.
- “Mortuary Genography of Charleston Research webinar,” Anson Street African Burial Ground Project; November 2021.
- “Genomic DNA Results for the Anson Street Ancestors webinar,” Anson Street African Burial Ground Project; October 2021.
- Anson Street African Burial Ground Project “ASABG Research Update” webinar; September 2021.
- Reflections on the Second Anniversary of the Anson Street Ancestors reburial, Charleston, SC (<https://www.facebook.com/groups/asabg>); May 2021
- Reflections on the First Anniversary of the Anson Street Ancestors reburial, Charleston, SC (<https://www.facebook.com/groups/asabg>); May 2020.
- Lecture, “Chesapeake DNA Study: Project Updates and DNA Testing Results” [with Raquel Fleskes]. College of Southern Maryland, Leonardtown, MD; February 2020  
<<https://youtu.be/BYM4enq3Irc>>
- Lecture, “The Anson Street African Burial Ground Project.” Anthropology Club, College of Charleston, Charleston, SC; February 2020.
- “Bioarcheological and Genomic Analysis of 18<sup>th</sup> Century Enslaved Africans from Charleston SC.” Archaeological Science Working Group Talk, University of Pennsylvania, Philadelphia; Jan 2020.
- Discussant, “Protecting the Arctic Refuge, Defenders of Wildlife student organization, University of Pennsylvania, Philadelphia PA; November 2019.
- “DNA Doesn’t Lie” Podcast with Kameelah Martin [with Raquel Fleskes], African American Studies Program, College of Charleston, Charleston, SC; September 2019  
<<http://blogs.cofc.edu/aast/2019/11/14/port-of-entry-episode-2-dna-doesnt-lie/>>
- Presentation, “Genetic History of African Americans in Charleston.” Meeting Street Middle School, Charleston, SC; September 2019.

- Presentation, "Genetic History of African Americans in Charleston." North Charleston High School, North Charleston, SC; September 2019.
- Lecture, "Genetic Diversity in the African American Community of Charleston, SC." Ancestral Reburial Event, Charleston, Charleston, SC; May 2019.
- Lecture, "Who are Your People? An Update on the Anson Street African Burials Project DNA Research." "Egungun Tunji Ancestors Rise Again!" Event, Charleston, SC; February 2019.
- Brown Bag Lunch presentation, "Anson Street African Burials DNA Research." College of Charleston, Charleston, SC; February 2019.
- Lecture, "Genetic Diversity in the African American Community of Charleston, SC." "Rise Up! Summoning the Power and Presence of African Ancestors in Charleston" Event, College of Charleston, Charleston, SC; November 2018.
- DNA Workshop, Gullah Society and City of Charleston, Gaillard Center, Charleston, SC; May 2018.
- Faculty Judge, Graduate BEN Talks, University of Pennsylvania, Philadelphia PA; February 2018.
- Panelist, Genetics and Race, "Race and Science: The History, Use, and Abuse," The Public Classroom @ Penn Museum; October 2017.
- "Using DNA to Trace Human Origins and Migrations Around the World." Plymouth Whitemarsh High School, Plymouth Meeting, PA; March 2012.
- "What DNA Research Tells Us about the Jewish Diaspora." Delaware County-Main Line Affiliate of the Jewish Genealogical Society of Greater Philadelphia, Media; December 2011.
- "The Influence of Clan, Language and Migration History on Genetic Diversity in Haida and Tlingit Populations of Southeast Alaska." Penn Museum Scholars Talk, Philadelphia; November 2011.
- "Genetic Ancestry and Indigenous Heritage in a Native American Descendant Community in Bermuda." Hamilton, Bermuda; June 2011.
- Panelist, "Evolving Genomes: Human Origins and Our Microbial Passengers." The Franklin Institute, Philadelphia; October 2010.
- "What More Do We Know About Ourselves with the Discovery of *Ardipithecus ramidus*: Reflections on Darwin's Contribution to the Social Sciences." Penn Museum Docents Meeting, Philadelphia; December 2009.
- "Human Genetic Diversity in a Global Context." 'Globalization in Progress: World Urbanization and Its Consequences' Forum, University of Pennsylvania Museum of Archeology and Anthropology, Philadelphia; October 2009.
- "Using DNA to Trace Ancestry: How Genetics is Elucidating Human Origins and Migrations Around the World." Penn Museum Docents Meeting, Philadelphia; March 2009.
- "Redefining Human Nature: Insights from Genomic Studies." Penn Museum Women's Committee, Philadelphia; February 2009.
- "Using DNA to Trace Ancestry: How Genetics is Elucidating Human Origins and Migrations Around the World." Penn Museum Docents Meeting, Philadelphia, PA; October 2008.
- "Exploring the Ancestry and History of Mongolian Populations through DNA Studies." MiddFest International, Middletown; October 2008.
- "Using DNA to Trace Ancestry: How Genetics is Elucidating Human Origins and Migrations Around the World." Delaware County-Main Line Affiliate of the Jewish Genealogical Society of Greater Philadelphia, Media; June 2008.
- "Molecular Anthropology: The Use of Genetics to Study Ancestry, Origins and Migration History." Penn Museum Women's Committee, Philadelphia; March 2008.
- "Genetics and Native American Origins." 'Revision Quest' Program, CBC Radio, Winnipeg; February 2008.
- "So You Want to be an Anthropologist..." Presentation for Career Day, George School, Newton:

- April 2007.
- “The Genetics of Native Americans and Africans”, ‘Janet’s House’ radio program, WURD 900 AM, Philadelphia: July 2007.
- “Y-chromosome and Autosomal Variation in Native Americans of North America.” Fourth International Conference on Genetic Genealogy for Family Tree DNA Group Administrators, Houston: November 2007.
- “Modern Human Origins and Migration from a Molecular Anthropology Perspective,” Lower Merion High School. Philadelphia: March 2006.
- “Genetics and Ancestry,” ‘Edmonton AM with Ron Wilson’, CBC Radio One: March 2006.
- “The Genographic Project and the Nature of Human Genetic Diversity,” ‘Science Fantastic with Michio Kaku’, Talk Radio Network: August 2006.
- “The Whether, How, and When of Race in Biomedical Research: Four Perspectives,” University of Pennsylvania, Philadelphia: September 2006.
- “The Genographic Project and the Nature of Human Genetic Diversity,” Bodine High School for International Affairs, Philadelphia: October 2005.
- “The Genographic Project and the Nature of Human Genetic Diversity,” ‘Radio Times with Marty Moss-Coane,’ WHYY, Philadelphia: October 2005.
- “Exploring Native American Ancestry with Genetic Data: Current Views and Future Prospects,” 2nd International Conference on Genetic Genealogy for Family Tree DNA Group Administrators, Washington DC: November 2005.
- “Modern Human Origins and Evolution from a Molecular Anthropology Perspective.” The Academy of Natural Sciences, Philadelphia: January 2004.
- “An Emerging Picture of Genetic Variation in South-Central Siberia.” Phi Beta Kappa, Philadelphia: March 2004.
- “An Emerging Picture of Genetic Variation in South-Central Siberia.” Merck & Co, Philadelphia: April 2004.
- “A Molecular Genetic Perspective on the Peopling of the Americas.” Pre-Columbian Society, Philadelphia: January 2003.
- “Genetics and Race.” The Franklin Institute Science Museum; Programs for both high school students and for adults/college students; Philadelphia: May 2003.
- “The Nature of Human Diversity: A Genetic Perspective,” Human Origins 101 Program, University of Pennsylvania Museum of Archeology and Anthropology, Philadelphia: November 2003.
- “Genetics and Native American Origins,” ‘On the Line’ program, WNYC Radio, New York: August 2001.

**FIELDWORK AND RESEARCH EXPERIENCE**

Samtskhe-Javakheti, Georgia, 2023  
 Guria and Adjara, Georgia; 2022  
 Historic Christ Church, Grace Episcopal Church, Lancaster County, VA; 2022-23  
 Basilica of St. Mary of the Immaculate Conception, Norfolk, VA; 2020  
 St. Mary's County, Leonardtown, MD; 2019-20  
 African American and Gullah-Geechee History, Charleston, SC; 2018-present  
 Mingrelia (Samegrelo, Georgia; 2016  
 Sainagua, San Cristobal Province, Dominican Republic; 2015  
 Svaneti, Georgia; 2015  
 Los Floridanos, St. Augustine, FL; 2015  
 Garifuna/Kalinago Communities, St. Vincent; 2014-15  
 Maxacali tribe, Minas Gerais, Brazil; 2013  
 Annual Culture Camp, Hydaburg (Haida), Alaska; 2012  
 Yakutat Tern Festival (Tlingit), Yakutat, Alaska; 2012  
 Celebration, Juneau, Alaska (Tlingit, Haida, Tsimshian); 2012  
 Hoonah Clan Workshop (Tlingit), Hoonah, Alaska; 2012  
 Rebun Island and Sapporo, Hokkaido, Japan; Baikal-Hokkaido Archeology Project; 2011  
 St. David's Island, Bermuda; 2011  
 Hoonah (Tlingit) and Hydaburg (Haida), Alaska; 2011  
 Bear River Band of Rohnerville Rancheria, CA; 2011  
 Humacão and Vieques Island, Puerto Rico; 2011  
 Yakutat and Hoonah (Tlingit) and Hydaburg (Haida) Tribes, Alaska; 2009  
 Wiyot Tribe, Eureka, CA; 2009  
 Gwich'in & Tlicho First Nations and Inuvialuit, Northwest Territories, Canada; 2008-11  
 Millbrook and Indian Brook First Nations, Nova Scotia, Canada; 2008-09  
 Xiongnu and Mongolian History, Ulanbaatar, Mongolia; 2008  
 Koasek Abenaki Tribe, North Haverhill, NH; 2007  
 Baikal Archeological Project, Irkutsk, Russia; 2007  
 Mitochondrial Diseases in Slavic populations, Kharkiv, Ukraine; 2006-08  
 Turkish Populations, Central Anatolia, Turkey; 2006-07  
 Naknek, South Naknek, Egegik, & Tyonek Tribes, Bristol Bay Region, Alaska; 2006  
 Tyonek Tribe, Cook Inlet, Alaska; 2006  
 Georgetown and Holy Cross Tribes, Yukon-Kuskokwim Region, Alaska; 2006  
 Guarani Indians, Posadas & Ruiz de Montoya, Misiones Province, Argentina; 2006  
*Aotus azarai* populations, Guaycolec Ranch, Formosa Province, Argentina; 2006  
 Toba Indians, Nan-Qom, Formosa Province, Argentina; 2006  
 Seaconke Wampanoag Tribe, Rehoboth, MA, USA; 2005  
 Indigenous Altaians & Altaian Kazakhs, Altai Republic, Russia; 2003  
 Koryaks and Itel'men, Koryak Autonomous Okrug, Kamchatka, Russia; 1993, 1996



**REVIEWER (1998 – PRESENT)****Peer-Reviewed Journals**

American Anthropologist  
American Ethnologist  
American Journal of Human Biology  
American Journal of Human Genetics  
American Journal of Physical (Biological) Anthropology  
Andean Past  
Annales de Génétique  
Annals of Human Genetics  
Antiquity  
Archeological Research in Asia  
Arctic  
Arctic Anthropology  
Asian Perspectives  
Behavioral Genetics  
BMC Evolutionary Biology  
BMC Genetics  
BMC Genomics  
California Academy of Sciences  
Caribbean Journal of Science  
Chinese Science Bulletin  
Communications Biology  
Current Anthropology  
Current Research in the Pleistocene  
DNA  
DNA and Cell Biology  
Ecology and Evolution  
European Journal of Genetics  
Genes, Brains & Behavior: Genetics  
Genetics and Molecular Biology  
Genetics Research International  
Genome Biology and Evolution  
Genome Research  
Human Biology  
Human Evolution  
Human Genetica  
Human Heredity  
Human Molecular Genetics  
Human Mutation  
Indian National Science Academy  
International Journal of Molecular Sciences  
International Journal of Primatology  
Iranian Journal of Biotechnology  
iScience  
Journal of Advanced Research  
Journal of Anthropology

Journal of Anthropological Research  
Journal of Archaeological Research  
Journal of Archaeological Science  
Journal of Biogeography  
Journal of Human Genetics  
Journal of Latin American and Caribbean Anthropology  
Journal of Primatology  
Journal of Psychedelic Studies  
Latin American Antiquity  
Medical Anthropology  
Migration Studies  
Mitochondrion  
Mitochondrial DNA Part A  
Molecular Biology and Evolution  
National Science Review (China)  
Nature Communications  
PaleoAmerica  
Philosophical Transactions Royal Society B  
PLOS ONE  
PLOS Genetics  
Pregnancy Hypertension  
Primates  
Proceedings of the National Academy of Sciences USA  
PNAS Nexus  
Proceedings of the Royal Society London Series B  
Revista de la Facultad de Medicina (Colombia)  
Romani Studies  
Science Advances  
Science Reports  
Sibirica  
Southeastern Archeology

**Books/Publishers**

Cambridge University Press  
Garland Press  
Left Coast Press  
Maney Publishing  
Mayfield Press  
National Geographic Books  
Oxford University Press  
Routledge  
Signature Books  
Taylor & Francis Books  
University of Toronto Press  
Westview Press  
Wiley-Blackwell

### **Popular Science Magazines**

American Archeology  
Asian Geographic Magazine (Singapore)  
Discover Magazine  
Expedition (Penn Museum Magazine)  
New Scientist  
Science News Magazine

### **Grant/Funding Organizations**

American Philosophical Society  
Biotechnology & Biological Sciences Research Council (UK)  
CONICYT-FONDAP (Chile)  
Estonian Research Council (Estonia)  
EURAC Research (Italy)  
John Templeton Foundation  
L.S.B. Leakey Foundation  
Marsden Fund Council (Royal Society of New Zealand)  
Max Planck Society (Germany)  
National Centre of Science and Technology Evaluation (Kazakhstan)  
National Geographic Society  
National Science Foundation (Physical Anthropology, Archaeology, Arctic Sciences)  
Nazarbayev University (Kazakhstan)  
Polish Science Foundation (Poland)  
Social Sciences and Humanities Research Council (Canada)  
South African Medical Research Council (South Africa)  
Swiss National Science Foundation (Switzerland)

### **Fellowships/Prizes**

Academic Europaea  
Fulbright US Scholar Program

## EDITORIAL APPOINTMENTS

Editorial Board, *American Anthropologist*; 2016-20  
 Associate Editor, Genetics, *American Journal of Human Biology*; 2014-24  
 Associate Editor, *Encyclopedia of Human Evolution*, Wiley-Blackwell; 2012-18  
 Editorial Board, *American Journal of Human Biology*, 2008-24  
 Advisory Board, *Expedition*, Penn Museum magazine; 2004-11  
 Editorial Review Committee, *PALANTH*; 2001-03  
 Book Editor, *Human Biology*, 2000-07  
 Associate Editor, *Current Research in the Pleistocene*, 2000-05  
 Editorial Board, *Human Biology*, 1998-08

## ACADEMIC SERVICE

### University of Pennsylvania

University of Pennsylvania Fulbright Fellowship Committee, 2023-24  
 University Scholars Summer Research Funding Committee, 2023  
 SAS Central Pool Classroom Committee; 2023-27  
 University Scholars Selection Committee, 2021-23  
 SAS Faculty Senate Executive Committee; 2021-24  
 Undergraduate Education, Ecology and Climate Literacy in the Curriculum Committee, College of Arts & Sciences; 2020-22  
 Evolutionary Medicine & Information Biology Search Committee, Children's Hospital of Philadelphia; 2018-19  
 Reviewer, School of Arts & Science Graduate TED Talks; 2018  
 American Center for Mongolian Studies Fellowship Review Committee; 2017  
 Program Committee, "Timescales" Conference, Penn Program in Environmental Humanities; 2016  
 President, Phi Beta Kappa Electoral Board; 2014-15  
 Phi Beta Kappa Electoral Board; 2013-16, 2023-26  
 Vice President, Phi Beta Kappa Electoral Board, 2013-14  
 Executive Committee, Center for East Asian Studies, 2013-15  
 Evolutionary Medicine & Information Biology Search Committee, Department of Pathology and Laboratory Medicine; 2011-14  
 Chair, Committee on Undergraduate Academic Standing; 2011-12  
 Committee on Undergraduate Academic Standing; 2009-15  
 Phi Beta Kappa Electoral Board; 2006-09  
 University Fulbright Committee; 2006-09, 2011-18, 2020-22  
 SAS Curriculum Committee; 2005-07

**Penn Museum**

NAGPRA Committee; 2006-present  
Consulting Curator, American Section; 2002-present  
Consulting Curator, Physical Anthropology Section; 2001-present

**Anthropology Department**

Member, Undergraduate Committee, 2023-24  
Anthropology Colloquium Organizer, Fall 2023  
Chair, Junior Tenure-Track Biological Anthropology Search Committee; 2022-23  
Co-Chair, Anthropology/Physical Anthropology Curator Search Committee; 2021-22  
Graduate Group Chair; 2017-22  
Associate Chair; 2017-18  
Member, Graduate Committee; 2017-18  
Member, Undergraduate Curriculum Committee; 2016-17  
Future Directions Committee Chair; 2016-17  
Chair, Biological Anthropology Search Committee; 2016-17.  
Chair, Target of Opportunity Committee; 2016  
Member, Undergraduate Fields Fund Committee; 2016  
Member, Website Development Committee; 2015-16  
Chair, Social Reproduction Committee; 2014-15  
Chair, Space Needs and Allocation Committee; 2014-17  
Target of Opportunity Hire Committee; 2014  
Chair, Human Evolutionary Biology Concentration; 2011-14  
Member, Curriculum Committee; 2011-12  
Member, Future Directions Committee; 2011-12  
Member, Tenure Review Committee; 2010-12  
Chair, Human Biology Concentration; 2009-11  
Member, Graduate Committee; 2009-10  
Member, Chair Election Committee; 2008-09  
Member, Mentoring Committee; 2007-11  
Member, Graduate Committee; 2006-07  
Member, Undergraduate Committee; 2005-06  
Member, Space Needs and Allocation Committee; 2004-05  
Member, Human Biology Search Committee; 2002-04  
Member, By-Laws of the Department Committee; 2002-03  
Member, Human Subjects and Ethics Committee; 2002-03

**Professional**

AAAG, Judge, Outstanding Trainee Presentations in Anthropological Genetics Awards, 2023  
AAAG, President ex officio, 2019-20  
AAAG, President, 2018-19  
AAAG, Vice-President, 2017-18  
AAAG Student Prize Committee, 2016  
AAAG, Executive Committee, 2015-18  
AAPA Meeting Program Committee; 2014-16  
AAPA Professional Development Grant Review Committee; 2009  
Human Biology Association Program Committee; 2007-08  
Chair, Local Arrangements Committee, 76th Annual AAPA Meetings; 2006-07  
AAPA Student Prize Committee; 2006  
Human Biology Association, E.E. Hunt Student Prize Committee; 2006  
At-Large Member, Executive Committee, General Anthropology Division; 2005-07  
Program Review Committee, AAPA; 2002-04  
AAAS Section H Representative, Human Biology Association; 2002-04  
Program Chair, Biological Anthropology Section, AAA; 2001-05  
Associate Program Chair, Biological Anthropology Section, AAA; 2000-01  
Public Relations Committee, Human Biology Association; 2000-01  
Membership Committee, Human Biology Association; 1999-2002  
Membership Committee, American Anthropological Association; 1995-97

**TEACHING****Courses Taught<sup>5</sup>**Undergraduate

ANTH 003: Introduction to Human Evolution (Fall 2021)  
 ANTH 0030: Human Origins, Evolution and Diversity (Fall 2023)  
 ANTH 104/1040: Sex and Human Nature (Fall 2016, Spring 2019, 2021, Fall 2023)  
 ANTH 105: Human Adaptation (Fall 2006)  
 ANTH 106: Anthropological Genetics (Fall 2010, 2012)  
 ANTH 122: Becoming Human (Spring 2007)  
 ANTH 143/1430: Explorations in Human Biology (Spring 2015, 2017, 2020, 2024)  
 ANTH 168: Genetics and the Modern World (Fall 2009)  
 ANTH 244: Disease and Human Evolution (Fall 2011, 2012, 2014, Spring 2016)  
 ANTH 246: Molecular Anthropology (Fall 2009, Fall 2011, Spring 2014, 2016, Fall 2018, Fall 2024)  
 ANTH 249: Evolutionary Medicine (Spring 2011, Spring 2015)  
 ANTH 301: Undergraduate Capstone/Research Seminar (Fall 2017, 2018)  
 ANTH 336: The Peopling of the Americas (Fall 2021)  
 ANTH 417: History of Native Siberian Peoples (Spring 2016)

Graduate

ANTH 602/6020: Evolutionary Anthropology (Fall 2014, 2015, Spring 2017-2021, 2023-24)  
 ANTH 627: Topics in Biological Anthropology (Spring 2015)  
 ANTH 649: Molecular Anthropology (Fall 2009, 2011, Spring 2014, 2016, Fall 2018)  
 ANTH 655/6550: Methods and Grant Writing for Anthropological Research (Spring 2023)  
 ANTH 695: Current Topics in Molecular Anthropology (Fall 2015)  
 ANTH 733: Colloquium Seminar: Extinction [with Adriana Petryna] (Fall-Spring 2015-16)

**Guest Lectures**University of Pennsylvania

ANTH 002: Anthropological Study of Culture: Cross-Cultural Analysis (Fall 2015)  
 ANTH 012: Globalization and Its Historical Significance  
 ANTH 125: Anthropology of the Americas: Pasts and Presents (Spring 2011)  
 ANTH 143: Being Human: Biology, Culture, Adaptation (Spring 2018)  
 ANTH 188: Who Owns the Past? Archeology, Museums, and Native Americans (Spring 2012)  
 ANTH 2267: Living World in Archaeological Science (Spring 2024)  
 ANTH 230: Forensics (Spring 2006)  
 ANTH 267: Blood, Bones and DNA (Spring 2014)  
 ANTH 288: Myth, Fraud, and Science in Archaeology  
 ANTH 300: Senior Research Seminar (Fall 2015, 2020)  
 ANTH 335: Global Food Security for Ten Billion (Spring 2014)  
 ANTH 4000: Research Seminar in Anthropology (Fall 2022)  
 ANTH 415: Archeology of Animals  
 ANTH 556: Practicum in Archaeological Field Methods and Problems (Spring 2009)  
 ANTH 622: Methods in Biological Anthropology (Fall 2013)

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<sup>5</sup> Until the Fall 2022 semester, undergraduate courses were numbered from 000-400, and graduate courses from 500-700. Undergraduates could take 500-level graduate courses, and graduate students could take 400-level undergraduate courses, although they needed to complete additional work for the course assignments. Starting in Fall 2022, the course numbering expanded to a four-number system; where relevant for my courses, the new numbers are indicated here.

ANTH 626: Intensity (Spring 2019)  
 ANTH 655: Methods and Grant Writing for Anthropologists (Fall 2018)  
 ANTH 692: American Civilization: The 20<sup>th</sup> Century to the Present (Fall 2004)  
 ARTH 524: Silk Road and Empires: Afghanistan and Beyond (Spring 2013)  
 CLST 1306: Archaeology in the 21<sup>st</sup> Century (Spring 2024)  
 EP 575: Introduction to Genetic and Molecular Epidemiology (Fall 2005)  
 HIST 204: US-Indian History in the 20<sup>th</sup> century (Fall 2004)  
 STSC/HSOC 428: Genetics and Social Policy (Fall 2009)

Bryn Mawr College

ANTH 234: Forensics. *Lecture*: “Genetics and Identification” (Fall 2004).

University of Alabama-Birmingham

PAT778: New Perspectives in Cardiovascular Biology; Molecular & Cellular Pathology Graduate Program, School of Medicine. *Lecture*: “Mitochondrial Disease and Population Genetics” (Fall 2012).

University of Alaska-Anchorage

ANTH 125: Origins of Human Civilizations; Department of Anthropology. *Lecture*: “The Peopling of the Americas – A Genetic Perspective” (Fall 2004).

University of Oklahoma

ANTH 4333: Archaeologies of Movement and Migration in the Americas. *Lecture*: “Genetic Perspectives on the Peopling of North America” (Spring 2022).

College of Charleston

ANTH 309: Special Topics in Archaeology – Bioarchaeology. *Lecture*: “Metagenomic analysis of dental calculus from 18<sup>th</sup> century Africans yields insights into health and diet” (Fall 2023).

**Directed Readings**

ANTH 620: Community Based Participatory Research: A Reflexive Methodology in Human Subjects Research (Gaieski)  
 ANTH 620: A Tale of Iron and Horses: A Review of Origins and Expansion of Turkic Speakers (Gokcumen)  
 ANTH 620: Studying Anatolia – A Molecular Anthropology Perspective (Gokcumen)  
 ANTH 620: The Molecular Evolution of the V1aR Gene (Babb)  
 ANTH 620: Genetics, Migration, and Identity (xxxxx)  
 ANTH 620: Current Topics in Molecular Anthropology (xxxxx)  
 ANTH 620: Genetic Research in Paleoanthropology (Lin)  
 ANTH 620: Peopling of the Caucasus (Yardumian)  
 ANTH 620: Immunogenetics and Virology (Friedrich)  
 ANTH 620: Methodology for Testing Effects of HPV Infection on Human Cells (Friedrich)  
 ANTH 620: Mitochondrial Biology (Friedrich)  
 ANTH 620: Mitochondrial Biology: Part 2 (Friedrich)  
 ANTH 620: Molecular Methods and Analysis (Fleskes)  
 ANTH 620: Molecular Methods and Analysis (Fleskes)  
 ANTH 620: Molecular Methods and Analysis (Oakley)  
 ANTH 620: Molecular Methods and Analysis (Oakley)



ANTH 620: Race and Human Diversity (Walia)  
 ANTH 620: Migration Theory (Fleskes)  
 ANTH 620: Proposal Writing (Fleskes)  
 ANTH 620: Museum Studies (Oakley)  
 ANTH 620: Interpretive Planning: Intensive Training in Creating Museum Exhibits (Oakley)  
 ANTH 620: Paleolithic Archeology: Evidence, Theories, and Approaches (Abdolahzedah)  
 ANTH 620: Knowledge Production and Scientific Literacy (Oakley)  
 ANTH 620: Third-Year Writing Statements (Super)  
 ANTH 620: Metabolism, Disease and Ancestry in Polynesians (Dickerson)  
 ANTH 620: Polynesian Prehistory (Dickerson)  
 ANTH 620: Advanced Computational Biology and Scientific Writing (Dickerson)  
 ANTH 6200: Ancient DNA Studies of Human Populations (Amin)  
 ANTH 6200: Explorations in Reproductive Anthropology (Mari)  
 ANTH 6200: Pacific Ethnographic and Genetic Research (Dickerson)

### Research Courses

ANTH 199: Genetic Diversity in Mingrelia Populations (Sajorda)  
 ANTH 199: mtDNA Genetics and CVD Risk (Dein)  
 ANTH 199: Mitochondrial DNA Diversity in the Cora of Central Mexico (Pedrotty)  
 ANTH 199: Molecular Anthropology (Brooks)  
 ANTH 199: Analysis of Genetic Diversity in Georgian Populations (Sajorda)  
 ANTH 499: The Origins of the Jirels: A Synthesis of Ethnographic and Genetic Data (Groveman)  
 ANTH 499: Sexual Dimorphism in Schizophrenia: Implications for Origin of Language (Leonard)  
 BIOL 399: Y-chromosome Diversity in Svan Populations from Georgia (Sanders)  
 BIOL 399: mtDNA Diversity in Tepehua and Totonocan Populations of Mexico (Brooks)  
 BIOL 399: Mitochondrial DNA of the Cora (Pedrotty)  
 BIOL 499: mtDNA Diversity in Tepehua and Totonocan Populations of Mexico (Brooks)  
 BIOL 399: Mitochondrial – Nuclear Gene Interactions (Azzam)  
 BIOL 499: Mitochondrial – Nuclear Gene Interactions (Azzam)  
 CAMB 899: Pre-Dissertation Lab Rotation (Baiduc)

### Special Courses

“Genetics and African American Ancestry,” ABCS Course, Netter Center, University of Pennsylvania, Philadelphia; Spring 2016.  
 Molecular Anthropology Short Course, Department of Genetics, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil; November 2013.  
 Center for Teaching and Learning, “Teaching Anthropology” Discussion Series, “How to Give Students Written Feedback.” University of Pennsylvania, Philadelphia; January 2012.  
 Center for Teaching and Learning, “Teaching Anthropology” Discussion Series, “Engaging Students with Interests Outside Your (Sub)Field.” University of Pennsylvania, Philadelphia; March 2011.  
 Elderhostel Seminars for ‘Surviving: The Body of Evidence’ Exhibition, University of Pennsylvania Museum of Archeology and Anthropology, Philadelphia, PA; April 2008.  
 “Historical and Geographical Genetic Variation in Native Americans,” Human Population Genetics, Henry Stewart Talks Series, L.-L. Cavalli-Sforza and M. Feldman, eds., London, UK; June 2007.  
 “The Peopling of the Americas,” University of Pennsylvania Proseminar; August 2005.  
 “Molecular Anthropology,” University of Pennsylvania Summer Science Academy; July 2005.

**MENTORSHIP - UNDERGRADUATES****Laboratory Research**

Prishna Martinez, Departments of Anthropology and Biology, University of Pennsylvania; 2023-24; PURM Scholar; 2023-24.

Yanu Kume-Kangkolo, Department of Anthropology, University of Pennsylvania, PURM Scholar; 2021-22. *Status:* Intern, LifeSensors, Inc.

Redate Kibret, Department of History and Social Sciences, Bryn Athyn College; 2019-20. *Status:* Physican's Assistant training.

Adeyeme Oduwale, Department of Biology, College of Charleston; 2018-19; *Status:* Clinical Research Fellow, Columbia Medical Center, New York, NY; 2022-23.

Sydney Streicher, Departments of Anthropology & Psychology, University of Pennsylvania, 2017. *Status:* Medical student, Sidney Kimmel Medical College, Thomas Jefferson University.

Brian Sajorda, Departments of Anthropology and Chemistry, University of Pennsylvania, 2017. *Status:* Medical Student, Howard University College of Medicine, Washington, DC.

Anushya Makam, Wharton School, University of Pennsylvania, 2016-17; *Status:* Investment Banking Analyst, Bank of America Merrill Lynch, Greenwich, CT.

Joice Pedroso Santos, Department of General Biology, Federal University of Minas Gerais, 2014. *Status:* TBD

Andrew Azzam, Department of Anthropology, University of Pennsylvania, 2013-15; *Status:* Medical Student, Perelman School of Medicine, University of Pennsylvania.

Azarya Tafesse, Department of Biology, Bryn Athyn University; 2013. *Status:* Medical Student, Philadelphia College of Osteopathic Medicine.

Kimberly Rosenthal, Department of Anthropology, University of Pennsylvania, 2013-15; *Status:* Research Scientist, McKnight Brain Institute, College of Medicine, University of Florida.

Kristi Edleson, Department of Anthropology, University of Pennsylvania; 2012-13; *Status:* National Healthcare Recruiter, The Judge Group.

Rosa Zedek, Department of Anthropology, University of Pennsylvania; 2012; *Status:* Designer, OJB Landscape Architecture Firm, Philadelphia.

Shobana Ramasamy, Department of Anthropology, University of Pennsylvania; 2012; *Status:* MD, Internal Medicine, Vanderbilt University Medical Center.

Ryan Zahalka, Department of Anthropology, University of Pennsylvania; 2012; *Status:* Resident, Department of Emergency Medicine, University of Pennsylvania School of Medicine.

Brianna Gardner, Department of Anthropology, University of Pennsylvania; 2011-14. *Status:* PhD Student, Department of Biological Anthropology, University of Tennessee-Knoxville.

Akiva Sanders, Department of Anthropology, University of Pennsylvania; 2011-13; *Status:* PhD Student, Department of Near Eastern Languages and Civilizations, University of Chicago.

Jennifer Tinsman (née Crick), Department of Biology, Swarthmore College; 2010-12. *Status:* Senior Research Fellow, UCLA Center for Tropical Research.

Priscilla Peyrot (née des Gachons), Department of Anthropology, University of Pennsylvania; 2009-10. *Status:* Writer and Associate Producer, CNN.

Patricia Bermudez, Department of Anthropology, University of Pennsylvania; 2005-07. *Status:* TBD.

Paul Babb, Department of Anthropology, University of Pennsylvania; 2002-03. *Status:* Research Scientist, Takara Bio USA, Inc.

Marisa Groveman, Department of Anthropology, University of Pennsylvania; 2002-03. *Status:* TBD.

**Senior Thesis Supervisor**

- Sydney Lee, Department of Anthropology, University of Pennsylvania; Thesis: “An Osteological Study of Sacral Spina Bifida in the Nariokotome *Homo erectus* Skeleton,” 2021-22. *Status*:
- Henney Hambrose, Department of Anthropology, University of Pennsylvania; Thesis: “Illuminating Vulnerabilities in the Lives of Anonymous Egg Donation,” 2018-19. *Status*: Clinical Laboratory Technologist, The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine.
- Ashley Terry, Department of Anthropology, University of Pennsylvania; Thesis: “Faunal Analysis at the Smith Creek Site, Mississippi.” Co-supervised with Megan Kassabaum and Kate Moore, 2016-17. *Status*: Post-Bac Pre-Med Student, Johns Hopkins University.
- Emma McNamara, Department of Anthropology, University of Pennsylvania; Thesis: “Variation in Rhesus Macaque (*Macaca mulatta*) Vocalizations: Social and Biological Influences.” Co-supervised with Michael Platt, 2016-17. *Status*: Documentary Researcher and Associate Producer, New York.
- Taryn MacKinney, Department of Anthropology, University of Pennsylvania; Thesis: “Mitochondrial DNA Diversity of Saint Vincent and Trinidad and Its Implications for Caribbean Settlement History,” 2016-17. *Status*: Editor, American Physical Society News.
- Jim Elghammer, Department of Anthropology, University of Pennsylvania; Thesis: “The Extrasomatic Hypothesis,” 2014-17. *Status*: PhD Student, Department of Anthropology, University of Missouri.
- Ari Coopersmith, Department of Anthropology, Swarthmore College; Thesis: “Genetic variation in Native Mexican populations,” 2015. *Status*: Medical Student, University of California-San Francisco Medical School
- Madison Pedrotty, Department of Biology, University of Pennsylvania; 2015-17. Thesis: “Mitochondrial DNA Variation and Genetic History of the Cora.”
- Hannah Cabot, Department of Biology, University of Pennsylvania; 2014-16. Thesis: “Reconstructing the Population History of the Huichols of Central Mexico through Mitochondrial DNA Analysis.” *Status*: Consultant, Putnam & Associates, London.
- Daniel Brooks, Department of Biology, University of Pennsylvania; Thesis: “Genetic Variation in Native Mexican Populations,” 2012-15. *Status*: Pediatrics-Medical Genetics Resident, Baylor College of Medicine.
- Sarah Mann, Department of Anthropology, University of Pennsylvania; Thesis: “An Inquiry into the Vegan Diet: Science versus Popular Belief,” 2013-14. Co-supervised with Babette Zemel. *Status*: Research Assistant/Laboratory Technician, Laboratory of Innovative and Translational Nursing Research, University of Pennsylvania.
- Matthew Finnegan, Department of Anthropology, University of Pennsylvania; Thesis: “Bones and Base Pairs: A Look Inside American GIs Missing in Action,” 2012-13. Co-supervised with Janet Monge. *Status*:
- Charles Washington III, Department of Anthropology, University of Pennsylvania; Thesis: “An Examination of the Hemoglobin- $\beta$  Gene in Various African Populations.” Co-Supervised with Sarah Tishkoff, 2012-13. *Status*: PhD Student, Department of Human Genetics, University of Chicago.
- Caroline Carney, Department of Anthropology, University of Pennsylvania; Thesis: “Diabetes and Food Access in Philadelphia,” 2012-13. *Status*: Clinical Research Coordinator, Leonard Davis Institute of Health Economics, University of Pennsylvania.
- Jennifer Crick, Department of Biology, Swarthmore College, “Evolution of the promoter region of the Serotonin transporter gene in New World monkeys, Old World monkeys, and apes,” 2011-12. *Status*: Senior Research Fellow, UCLA Center for Tropical Research.

- Haleigh Zillges, Department of Anthropology, University of Pennsylvania; Thesis: “The Genetic History of the Otomi in the Central Mexican Valley,” 2010-13. *Status*: J.D. Candidate and Research Fellow, Fordham University Law School.
- Tommy Vierbuchen, Department of Biology, University of Pennsylvania, 2006-08; Thesis: mtDNA disease project. *Status*: Assistant Professor, Developmental Biology Program, Memorial Sloan Kettering Cancer Center, New York.
- Akshay Walia, Birla Institute of Technology and Science, Pilani-Goa, India; Thesis: “Probing the Ancestry of the Karachay based on mtDNA Evidence,” 2011-12. *Status*:
- Rachel Gittelman, Department of Biology, University of Pennsylvania; Thesis: “The Role of ALDH3A1 Variation in Climatic Droplet Keratopathy in the Mapuche Indians of Argentina,” 2010-11. *Status*: Manager, Computational Biology-Antigen Map, Adaptive Biotechnologies Corp., Seattle, WA.
- Lydia Gau, Department of Anthropology University of Pennsylvania; Thesis: “ADH Variation in Indigenous Altaian Populations”; Department of Biology, University of Pennsylvania, “Genetics of TAS2R43 Gene in Native Siberians,” 2010-11. *Status*: Manager, PepsiCo, White Plains, NY.
- Annick McIntosh, Department of Biology, Haverford College; Thesis: “Prolactin Receptor Variation in Platyrrhine Primates: Implications for Understanding the Biological Basis of Paternal Care Behavior,” 2009-10. *Status*: Owner/Tutor, Trouvaille Personalized Test Preparation Company.
- Lenore Pipes, Department of Anthropology, Swarthmore College; Thesis: “Anthropology and Genetic History of Ethnic Groups in Mongolia,” 2007-08. Department of Biology, Swarthmore College; Thesis: “TAS2R38 (PTC) Haplotypes in Altaian Populations from South-Central Siberia,” 2007-08. *Status*: Postdoctoral Research Fellow, Department of Integrative Biology, University of California-Berkeley; road cyclist racing for UCI Women’s Pro Team Bepink.
- Athma Pai, Department of Anthropology, University of Pennsylvania; Thesis: “The Genetic History of the Saraswat Brahmins: Origins and Affinities with Indian Populations; 2006-07. *Status*: Assistant Professor, RNA Therapeutics Institute, University of Massachusetts Medical School.
- Aslihan Sen, Department of Anthropology, University of Pennsylvania; Thesis: “The Genetic History of the Karachay,” 2005-06. *Status*: MD and Resident, Department of Genetics, School of Medicine, University of Alabama-Birmingham.
- Nishi Mehta, Department of Anthropology, University of Pennsylvania; Thesis: “Mitochondrial DNA Variability in Russian Old Believer Populations,” 2003-04. *Status*: MD and Fellow in Radiology, Weill Cornell Medical School.
- Maggie Cocca, Department of Anthropology, University of Pennsylvania; Thesis: “Mitochondrial DNA Variability in Ethnic Russians Living in Siberia Mitochondrial DNA Variability in Ethnic Russians Living in Siberia,” 2003-04. *Status*: MD and Resident, Emergency Medicine, New York-Presbyterian Brooklyn Methodist Hospital.

### Honor Thesis Evaluation

Daiana Sanabria, Universidad Nacional de Misiones, Posadas, Argentina, 2012.  
 Katie Rubin, Department of Anthropology, University of Pennsylvania, 2012.  
 Avery Davis, Department of Biology, Swarthmore College, 2012.  
 Melinda Yang, Department of Biology, Swarthmore College, 2010.  
 Annick McIntosh, Department of Biology, Haverford College, 2010.

### MENTORSHIP - GRADUATE STUDENTS

#### Master's Degree Students

##### Chair

Aisha Chughtai, Department of Anthropology, University of Pennsylvania; Dissertation: "Future States: Frameworks for Understanding Community Care and the Radical Renewal of Health, Life and Politics in Pakistan," 2020-23.  
 Elsie Minissale, Department of Anthropology, University of Pennsylvania; Thesis: "An Evolutionary Study of Menstruation and the Implications of Using Menstrual Suppression Oral Contraceptives," 2021-present. *Status*: CS Innovation Specialist, Divvy Homes.  
 Akshay Walia, Department of Anthropology, University of Pennsylvania; Thesis: "Borders Demarcated at the Molecular Level: Incorporation of Genetic Testing in the Refugee Admissions Process," 2018-19. *Status*: TBD  
 Li Li, Department of Anthropology, University of Pennsylvania; Thesis: "The Incorporation of Computer Simulation in Artifact Orientation Analysis: A Case Study of Shuidonggou Locality 2, China." 2018-19. Co-supervised with Harold Dibble. *Status*: Postdoctoral Fellow, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.  
 Ashley Terry, Department of Anthropology, University of Pennsylvania; Thesis: "Faunal Analysis of Mound A at the Smith Creek Site, Mississippi." 2016-17. Co-supervised with Megan Kassabaum and Kate Moore. *Status*: Post-Bac Pre-Med Student, Johns Hopkins University.  
 Sarah Hatz, Department of Anthropology, University of Pennsylvania; Thesis: "Neandertal Dental Hypoplasias and Other Dental Markings: Implications for the Relationship between Neandertals and Modern Humans." 2009-11. *Status*: Clinical Trial Manager, Advanced Accelerator Applications, a Novartis Company, Millburn, NJ.  
 Ayken Askapuli, Department of Anthropology, University of Pennsylvania; Thesis: "Mitochondrial DNA Haplogroup C Phylogeny for Altaian Populations and Its Implications for the Peopling of Siberia and the Americas." 2008-12. *Status*: PhD Student, Department of Integrative Biology, University of Wisconsin, Madison, WI.  
 Marisa Groveman, Department of Anthropology, University of Pennsylvania; Thesis: "The Origins of the Jirels: A Synthesis of Ethnographic and Genetic Data." 2002-03. *Status*: TBD.

##### Committee Member

Darcy Deane, Department of Anthropology, University of Pennsylvania; Thesis: "Laughing It Off: Meta-Transformations in US-Chinese Business Interactions," 2017. *Status*: Human Capital Consultant, Deloitte US.  
 John Lindo, Department of Anthropology, University of Pennsylvania. Thesis: "Sexually Dimorphic Calls in the Owl Monkey (*Aotus azara*): Evidence for an Alarm Function against Adult Replacement," 2009-10. *Status*: Associate Professor, Department of Anthropology, Emory University, Atlanta, GA.

- Öznur Gulhan, Department of Anthropology, University of Pennsylvania; Thesis: “Ontogeny of Human Temporal Bone in Tepe Hissar, Iran,” 2008-10. *Status*: PhD Researcher, Cranfield University, Swindon, UK.
- Alan Richter, Department of Anthropology, University of Pennsylvania; Thesis: “Osteological Variation and Paleopathology in Anasazi Remains of the American Southwest,” 2006-08. *Status*: TBD.
- Andrea Grigg, Department of Anthropology, University of Pennsylvania; Thesis: “Sexual Dimorphism in the Juvenile Skeleton,” 2006-08. *Status*: Educational Technology Specialist, Washoe County School District, Reno, NV.
- Susan Wentz, Department of Anthropology, University of Pennsylvania; Thesis: “Forensic Analysis of 19<sup>th</sup> Century Human Skeletal Remains from an Unmarked Cemetery in Sterling Forest,” 2004-05. *Status*: TBD.
- Matt Dulik, Department of Anthropology, University of Pennsylvania; Thesis: “An Osteometric Study of Human Remains for Level IV B and Hasanlu Iran,” 2004-05. *Status*: Assistant Professor, Division of Genomic Diagnostics, Children’s Hospital of Philadelphia, University of Pennsylvania.
- Page Selinsky, Department of Anthropology, University of Pennsylvania; Thesis: “An Osteological Analysis of Human Skeletal Material from Gordion, Turkey,” 2002-04. *Status*: Editor, University of Pennsylvania Museum of Archaeology and Anthropology Publications.

### **Ph.D. Students: Chair/Advisor**

#### Current

- Alexandra Faeth, Department of Anthropology, University of Pennsylvania; Dissertation: TBD; 2023-present.
- Shriya Amin, Department of Anthropology, University of Pennsylvania; Dissertation: Genetic diversity in Ancient Mediterranean Populations, 2022-present.
- Rachel Dickerson, Department of Anthropology, University of Pennsylvania; Dissertation: “Genetic History of Individuals with Ancestry from Pukapuka, Cook Islands,” 2019-present.
- Katey Mari, Department of Anthropology, University of Pennsylvania; Dissertation: “Intergenerational Influences of Intersectional Inequalities and Resilience on Infant Outcomes,” 2022-present.
- Clare Super, Department of Anthropology, University of Pennsylvania; Dissertation: “Influences of Energetic Stress on Microbiome, Metabolism, and Health in Medical Workers,” 2022-present.

#### Graduated

- Volney Friedrich, Department of Anthropology, University of Pennsylvania; Dissertation: “Mitochondrial Background in HPV Positive Individuals from the Philadelphia Area,” 2013-23. *Status*: Postdoctoral Fellow, Behavioral Sciences Research in HIV Infection, Columbia University.
- Alexandra Kralick, Department of Anthropology, University of Pennsylvania; Dissertation: “Orangutan Osteobiography: Skeletal Morphology and Flanging in *Pongo* spp.,” 2016-23. *Status*: Postdoctoral Fellow, Gender Science Laboratory, Harvard University.
- Elizabeth Oakley, Department of Anthropology, University of Pennsylvania; Dissertation: “Investigating the Cultural Domains of Science in U.S. Museums: How Museums Sell ‘Science’ and Spark Curiosity,” 2015-22. *Status*: Biology and History Instructor, Merion Mercy Academy, Merion, PA.
- Aylar Abdolhzedah, Department of Anthropology, University of Pennsylvania; Dissertation: “Burned Flint: Indirect Evidence of Fire Use for Understanding Neandertal’s Behavioral

- Variability in Using Fire in Late Pleistocene Europe,” 2018-22. *Status*: Postdoctoral Fellow, Institute of Human Origins, School of Human Evolution and Social Change, Arizona State University.
- Raquel Fleskes, Department of Anthropology, University of Pennsylvania; Dissertation: “Archaeo-Genomics of 17<sup>th</sup> and 18<sup>th</sup> Century Eastern North America: Insights into European Colonization and The African Diaspora,” 2014-21. *Status*: Assistant Professor, Department of Anthropology, Dartmouth College.
- Margaret Corley, Department of Anthropology, University of Pennsylvania; Dissertation: “Leaving Home: Demographic, Endocrine, and Behavioral Correlates of Dispersal in Monogamous Owl Monkeys (*Aotus azarae*) of Argentina,” 2015-17. *Status*: Associate Researcher Scientist, Department of Ecology and Evolutionary Biology, Yale University.
- Andrea Spence-Aizenberg, Department of Anthropology, University of Pennsylvania; Dissertation: “Olfactory Communication, Mate Choice, and Reproduction in a Monogamous Platyrrhine (*Aotus* spp),” 2015-17. *Status*: TBD.
- Sam Larson, Department of Anthropology, University of Pennsylvania; Dissertation: “The Affiliative Social Relations of Free-Ranging Rhesus Macaques in the Context of Instability,” 2013-19. *Status*: Senior Analyst, Baseball Analytics, Boston Red Sox.
- Aram Yardumian, Department of Anthropology, University of Pennsylvania; Dissertation: “Genetic Diversity in Svaneti and the Highland Western Caucasus,” 2012-15. *Status*: Associate Professor, Department of History and Social Science, Bryn Athyn College, Bryn Athyn, PA.
- Meagan Rubel, Department of Anthropology, University of Pennsylvania; Dissertation: “Effects of Diet and Parasites on the Gut Microbiota of Diverse Sub-Saharan Africans.” 2011-19. *Status*: Associate Director in Advanced Analytics, Data Sciences Global Development, The Janssen Pharmaceutical Companies of Johnson & Johnson.
- Jill Gaieski, Department of Anthropology, University of Pennsylvania; Dissertation: “Native Bermudians and their Indigenous North American Heritage: The Anthropologies of a Diasporic, Postcolonial, Descendant Community.” 2008-13. *Status*: Proprietor, Village Vine, Wine Bar and Bistro, Swarthmore, PA.
- Paul Babb, Department of Anthropology, University of Pennsylvania; Dissertation: “Molecular Evolution of Vasopression and Oxytocin Receptor Genes in Owl Monkeys (*Aotus azarae*) of Northern Argentina.” 2006-12. *Status*: Staff Scientist, Genomics and Bioinformatics, Takara Bio USA, Inc.
- Matthew Dulik, Department of Anthropology, University of Pennsylvania; Dissertation: “A Molecular Anthropological Study of Altaian Histories Utilizing Population Genetics and Phylogeography.” 2005-11. *Status*: Assistant Professor, Division of Genomic Diagnostics, Children’s Hospital of Philadelphia, University of Pennsylvania.
- Samara Rubinstein, Department of Anthropology, Temple University; Dissertation: “Russian Old Believers: Genetic Consequences of Their Isolation, as Shown by Mitochondrial DNA Evidence.” 2003-06. *Status*: Content Curator, Akademische Rätin auf Zeit, Biotopia - Naturkundemuseum Bayern, München, Germany.
- Ömer Gökçumen, Department of Anthropology, University of Pennsylvania; Dissertation: “Ethnohistorical and Genetic Survey of Four Central Anatolian Settlements.” 2002-08. *Status*: Associate Professor, Department of Biology, University of Buffalo-SUNY.

**Ph.D. Students: Committee Member**Current

Christopher LaMack, Department of Anthropology, University of Pennsylvania; Dissertation:

“Indian local industry under colonial rule (1800-1947).” 2024-present.

Matthew Capps, Department of Anthropology, University of Pennsylvania; Dissertation:

“Emplacing Community in the Lower Mississippi Valley: The Natchez Bluffs as an Indigenous Landscape.” 2022-present.

Graduated

Chris Green, Department of Anthropology, University of Pennsylvania; Dissertation: “Re-Collecting Kanaky: The Power of the Past in the Independence Politics of New Caledonia.” 2022-23.

*Status*: Director of Collections & Exhibits, Pacific Grove Museum of Natural History.

Kevin Burke, Department of Anthropology, University of Pennsylvania; Dissertation: “Forests for the Futures: A Biogeography of Industry-University Forest Science in the American South.”

2017-20. *Status*: Visiting Assistant Professor, Department of Anthropology, University of Pennsylvania.

Zeljko Rezek, Department of Anthropology, University of Pennsylvania; Dissertation:

“Temporalities in Stone Provisioning in the Middle Paleolithic Stone Artifact Record of the Cave of Pech de l’Azé IV in Southwest France: Insights into the Variability in Neandertal Landscape Use.” 2009-15. *Status*: Researcher, Department of Paleoanthropology, Collège de France, Paris, France.

Sergio Guerra, Department of Anthropology, University of Pennsylvania; Dissertation: “Qualifying and Quantifying the Rate of Decomposition in the Delaware River Valley Region.” 2013-14.

*Status*: Senior Intelligence Analyst, New York City Metropolitan Area.

Sam Lin, Department of Anthropology, University of Pennsylvania; Dissertation: “Distinct Tool Types or Sharp Rocks of Various Shapes? A New Look at Middle Paleolithic Assemblage Variability and Neanderthal Behavioral Pattern.” 2013-14. *Status*: Senior Lecturer, Centre for Archeological Science, University of Wollongong, Australia.

Utsav Schurmanns, Department of Anthropology, University of Pennsylvania; Dissertation: “The Production of Small Flakes in the Middle Paleolithic: A New Look at Assemblage Variability.” 2005-08. *Status*: Director, Research and Scholar Programs, The Wharton School, University of Pennsylvania.

Radu Iovita, Department of Anthropology, University of Pennsylvania; Dissertation: “Ontogenetic Scaling in Stone Tools and Its Application to European Middle Paleolithic Systematics.” 2005-08. *Status*: Associate Professor, Department of Anthropology, New York University.

Page Selinsky, Department of Anthropology, University of Pennsylvania; Dissertation: “Death a Necessary End: Perspectives on Paleodemography and Aging from Hasanlu, Iran.” 2004-09. *Status*: Editor, University of Pennsylvania Museum Publications.

Louise Tiranoff, American Civilization Program, University of Pennsylvania; Dissertation: “The Evolution of a Communication Tool: Autism Spectrum Disorders Risk Alert (ASDRA) – A Case Study of GeneticaLens.” 2003-05. *Status*: Founder/Managing Director, GeneticaLens.

Marc Meyer, Department of Anthropology, University of Pennsylvania; Dissertation: “Analysis of 1.75-Million-Year-Old Hominid Vertebrae from Dmanisi, Republic of Georgia.” 2003-05. *Status*: Professor, Department of Anthropology, Chaffey College.

Melanie Chang, Department of Anthropology, University of Pennsylvania; Dissertation: “Neanderthal Origins, Middle Pleistocene Systematics, and Test of Current Taxonomic and Phylogenetic Hypothesis.” 2002-05. *Status*: Adjunct Assistant Professor, Department of Anthropology, Portland State University.



**External Committee Member/Reader**

- Dana Kristjansson, Department of Genetics, University of Bergen, Norway; Dissertation: “Historical and Phylogeographic influences on Mitochondrial DNA Diversity in Norwegians.” 2020-23. *Status*: Research Scientist, Norwegian Institute of Public Health.
- Muhammad Afzai, Department of Animal Sciences, Quaid-i-Azam University, Islamabad, Pakistan; Dissertation: “Clinical and Molecular Genetic Study of Kindreds with Limbs and Neurological Anomalies.” 2019. *Status*: TBD
- Mian Li, Department of Anthropology, Binghamton University; Dissertation: “Genetic History of Papua New Guinea Highlanders.” 2019. *Status*: Research Scientist, Institute of Vertebrate Paleontology and Paleoanthropology, Chinese Academy of Sciences, Beijing.
- Muhammad Ismail Khan, Department of Genetics, Hazara University, Mansehra; Dissertation: “Spectrum of Gene Mutations in the Patients with Non-Syndromic Hearing Loss Residing in Khyber Pakhtunkhwa.” 2018. *Status*: TBD
- Inam Ullah, Department of Genetics, Quaid-i-Azam University, Islamabad; Dissertation: “Analysis of Human Genetic Variations in Pakistani Populations.” 2018. *Status*: Assistant Professor, Department Forensic Science, University of Lahore, Pakistan.
- Matthias Pache, Max Planck Institute for Evolutionary Anthropology; Dissertation: “The External Classification of Chibchan.” 2018. *Status*: Post-Doctoral Fellow, Department of Linguistics, University of Tübingen, Germany.
- Hafsah Muhammad Chishti, Department of Genetics, Quaid-i-Azam University, Islamabad; Dissertation: “Analysis of Human Genetic Variations in Pakistani Populations.” 2016. *Status*: TBD
- Muhammad Tariq, Department of Genetics, Hazara University, Mansehra, Pakistan; Dissertation: “Genetic Analysis of the Major Tribes of Buner and Swabi Areas through Dental Morphology and DNA Analysis.” 2015-16. *Status*: Assistant Professor, Centre for Omic Sciences, Islamia College Peshawar, Pakistan.
- Margaux Keller, Department of Anthropology, Temple University; Dissertation: “Heritability and Sex Effect Analyses of Neurodegenerative Disease.” 2014. *Status*: Research Program Manager, Henry M. Jackson Foundation for the Advancement of Military Medicine.
- Daiana Sanabria, Laboratorio de Biología Molecular Aplicada, Universidad Nacional de Misiones, Posadas, Argentina; Dissertation: “Genetic Variation in HPV Patients.” 2014-18. *Status*: TBD
- Miguel Vilar, Department of Anthropology, Binghamton University; Dissertation: “Origins and Post-Settlement Gene Flow among Culturally and Linguistically Distinct Pacific Populations.” 2010. *Status*: Adjunct Assistant Professor, Department of Anthropology, University of Maryland, College Park, MD.
- Jessica Fetterman, Department of Molecular and Cellular Pathology, University of Alabama-Birmingham; Dissertation: “Mitochondrial Genetics and Function in Cardiovascular Disease Susceptibility.” 2009-11. *Status*: Assistant Professor, School of Medicine, Boston University.
- Krista Latham, Department of Anthropology, Temple University; Dissertation: “Unexpected NRY Chromosome Variation in Northern Island Melanesia.” 2008. *Status*: Professor of Biology and Anthropology, University of Indianapolis.
- Danielle James, Department of Anthropology, Temple University; Dissertation: “Mitochondrial DNA Variation in Northern Island Melanesia.” 2008. *Status*: Chair, Department of Social Sciences, Community College of Baltimore County, Baltimore, MD.
- Ines Badano, Universidad Nacional de Misiones, Posadas, Argentina; Dissertation: “Epidemiology of Human Papillomavirus (HPV) Infection among Native Communities (Guarani Indians) from Misiones, Argentina.” 2007-08. *Status*: Associate Professor, Laboratorio de Biología Molecular Aplicada, Universidad Nacional de Misiones, Posadas, Misiones, Argentina.

## **MENTORSHIP – OTHER**

### **PhD Qualifying Exam Committee**

Mitra Eghbal, Department of Biology, University of Pennsylvania; 2013.

### **Post-Bacculeate Students**

Kevin Keating, Department of Anthropology, University of Pennsylvania; 2010. *Status:* Radiology & Diagnostic Imaging Nurse, BluePearl Veterinary Partners.

### **High School Students**

Nayan Shankaran, Episcopal Academy, Newtown Square, PA, Summers 2021-23. *Status:*

Undergraduate student, Stanford University, Fall 2024

Victoria Groner, Fox Lane High School, Bedford, NY, Summer 2013. *Status:* Genetic Counseling and Bioethics Graduate Student, Northwestern University.