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EDUCATION

- 2005 PhD Anthropology The Pennsylvania State University
 Thesis: Human skin pigmentation variation: A phenotypic,
 genotypic, and evolutionary perspective
 Committee: Ken Weiss, Kateryna Makova, Jeffrey Kurland, Mark
 Shriver (chair)
- 2002 MA Anthropology The Pennsylvania State University
- 2000 BA Anthropology The Pennsylvania State University

PUBLICATIONS

- Norton HL** and Friedlaender JF. (in press) Pigmentation and candidate gene variation in Northern Island Melanesia. In J Friedlaender (ed.): Population Genetics, Linguistics, and Culture History in the Southwest Pacific: A Synthesis. Cambridge: Oxford University Press
- Lamason RL, Mohideen MA, Mest JR, Wong AC, **Norton HL**, Aros MC, Jurynech MJ, Mao X, Humphreville VR, Humbert JE, Sinha S, Moore JL, Jagadeeswaran P, Zhao W, Ning G, Makalowska I, McKeigue PM, O'Donnell D, Kittles R, Parra EJ, Mangini NJ, Grunwald DJ, Shriver MD, Canfield VA, Cheng KC. 2005. SLC24A5, a putative cation exchanger, affects pigmentation in zebrafish and humans. *Science* 310:1782-1786.
- Norton HL**, Friedlaender JS, Merriwether DA, Koki G, Mgone CS, Shriver MD. 2005. Skin and hair pigmentation variation in Island Melanesia. *American Journal of Physical Anthropology*
- Makova K, **Norton HL**. 2005. Worldwide polymorphism at the MC1R locus and normal pigmentation variation in humans. *Peptides* 26:1901-1908.
- Bonilla C, Boxill LA, Donald SA, Williams T, Sylvester N, Parra EJ, Dios S, **Norton HL**, Shriver MD, Kittles RA. 2005. The 8818G allele of the agouti signaling protein (ASIP) gene is ancestral and is associated with darker skin color in African Americans. *Human Genetics* 116:402-406.
- Shriver MD, Parra EJ, Dios S, Bonilla C, **Norton H**, Jovel C, Pfaff C, Jones C, Massac A, Cameron N, Baron A, Jackson T, Argyropoulos G, Jin L,

Hoggart CJ, McKeigue PM, Kittles RA. 2003. Skin pigmentation, biogeographical ancestry and admixture mapping. *Human Genetics* 112:387-399.

Wagner JK, Jovel C, **Norton HL**, Parra EJ, Shriver MD. 2002. Comparing quantitative measures of erythema, pigmentation, and skin response using reflectometry. *Pigment Cell Research* 15:379-384.

POSTERS AND PRESENTATIONS

2005

Norton HL, Hammer MF. Sequence variation in the human pigmentation candidate gene *SLC24A5*. *Poster presented at the Society of Molecular Biology and Evolution meetings, Tempe, AZ.*

Norton HL, Parra EJ, Kittles R, Shriver MD. Evolution of normal variation in human skin pigmentation. *Paper presented at the American Society of Human Genetics meetings, Salt Lake City, Utah.*

Norton HL, Kittles R, Bonilla C, Akey J, Shriver MD. Using measures of locus-specific differentiation to find genes underlying traits subject to recent genetic adaptation: A test case using skin pigmentation. *Paper presented at the American Association of Physical Anthropology meetings, Milwaukee, Wisconsin*

2004

Norton HL, Akey J, Shriver MD. Detecting signals of natural selection in skin pigmentation candidate genes using locus-specific F_{ST} . *Poster presented at the American Society of Human Genetics meetings, Toronto, Canada.*

Norton HL, Friedlaender J, Merriwether DA, Koki G, Mgone C, Shriver MD. Pigmentation variation in Island Melanesia and associated candidate gene variation. *Paper presented at the American Association of Physical Anthropology meetings, Tampa, Florida. Part of the symposium "A second biological garden of Eden: Island Melanesian Genetic Diversity".*

2002

Norton HL., Friedlaender J, Merriwether DA, Koki G, Mgone C, Shriver MD. Populations in Island Melanesia provide evidence for non-selection based variation in skin pigmentation. *Poster presented at the American Association of Physical Anthropology meetings in Buffalo, New York.*

ACADEMIC FELLOWSHIPS, SCHOLARSHIPS, AND HONORS

2006 Best postdoctoral poster, Society for Molecular Biology and Evolution meetings, Tempe AZ.

2005 Matson-Benson Museum Award

2003-2004 Weiss Fellow, The Pennsylvania State University

2000-2001 Weiss Fellow, The Pennsylvania State University

EXTERNAL GRANTS

Wenner Gren Foundation Dissertation Improvement grant (#7138, \$24,828)

INTERNAL GRANTS

- 2004 Baker Fund, Department of Anthropology, Penn State
- 2004 Research and Graduate Studies Office (RGSO), Penn State
- 2003 Baker Fund, Department of Anthropology, Penn State
- 2003 RGSO, Penn State
- 2002 RGSO, Penn State

PAID TEACHING AND RESEARCH POSITIONS

September 2005-present

Research Associate, Arizona Research Laboratories-Biotechnology
Division

1997-2005 The Pennsylvania State University

2005 Teaching Assistant, Introduction to Archaeology
Research Assistant, Molecular Anthropology Laboratory, Dr. Mark
Shriver

2004 Teaching Assistant, Introduction to Archaeology
Instructor, Biological Anthropology
Research Assistant, Molecular Anthropology Laboratory, Dr. Mark
Shriver

2003

Instructor, Biological Anthropology
Teaching Assistant, Biological Anthropology
Research Assistant, Molecular Anthropology Laboratory, Dr. Mark
Shriver

2002

Teaching Assistant, Biological Anthropology
Research Assistant, Molecular Anthropology Laboratory, Dr. Mark
Shriver

2001

Teaching Assistant, Advanced Human Genetics
Research Assistant, Molecular Anthropology Laboratory, Dr. Mark
Shriver

1999-2000

Undergraduate research assistant, Molecular Anthropology
Laboratory, Dr. Mark Shriver

1997-1999

Undergraduate lab assistant, Stoneking, Weiss, and Wood
laboratories, Department of Anthropology

FIELD WORK

2000

Papua New Guinea: skin pigmentation measurement and DNA sample
collection

1999-2000

University Park, PA: Anthropometrics Laboratory, Dr. Mark Shriver

PROFESSIONAL SOCIETIES

2000-present
2004-present
2006-present

Pan American Society for Pigment Cell Research
American Society for Human Genetics
Society for Molecular Biology and Evolution