

GENERAL INFORMATION

Departments of Anthropology and Biology
 Pennsylvania State University
 513 Carpenter Building
 University Park, PA 16802

E-mail: ghp3@psu.edu
 Phone: +1-814-863-7654
 Web: www.anthgenomicslab.com
 Twitter: @grg_perry

EDUCATION

Institution	Dates	Area	Degree	Advisor
University of Chicago	2008-2011	Human Genetics	Postdoctoral	Yoav Gilad
Arizona State University	2005-2008	Anthropology	Ph.D.	Anne Stone
Arizona State University	2003-2005	Anthropology	M.A.	Anne Stone
Wake Forest University	1995-1999	Anthropology	B.A.	David Weaver

EMPLOYMENT HISTORY

- 2017- Harry J. and Elissa M. Sichi Early Career Professor, Penn State University
 Associate Professor, Departments of Anthropology and Biology, Penn State University
 The Huck Institutes of the Life Sciences, Penn State University
 Center for Infectious Disease Dynamics, Penn State University
 Faculty, Ecology Graduate Program, Penn State University
 Faculty, Bioinformatics & Genomics Graduate Program, Penn State University
- 2011-2017 Assistant Professor, Departments of Anthropology and Biology, Penn State University

RESEARCH INTERESTS

Anthropological genomics • Ancient DNA • Human rainforest hunter-gatherer evolutionary ecology •
 Human impacts on non-human evolutionary biology • Parasites as proxies for human evolution •
 Madagascar human-environment interactions and lemur evolutionary ecology

PUBLICATIONS (Postdoc & PhD trainees, Undergraduate trainees[†])

- In Press Vukelic A[†], Cohen J[†], Sullivan AP, & **Perry GH**, Extending genome-wide association study (GWAS) results to test classic anthropological hypotheses: Human third molar agenesis and the 'probable mutation effect.' *Human Biology*.
- In Press Crowley BE, Godfrey LR, Bankoff RJ, **Perry GH**, Culleton BJ, Kennett DJ, Sutherland MR, Samonds KE, Burney DA, Island-wide aridity did not trigger recent megafaunal extinctions in Madagascar. *Ecography*.
- In Press **Perry GH** & Verdu P, Genomic perspectives on the history and evolutionary ecology of tropical rainforest occupation by humans. *Quaternary International*.
- 2017 Sullivan AP, Bird DW, & **Perry GH**, Human behaviour as a long-term ecological driver of non-human evolution. *Nature Ecology and Evolution* 1:0065.
- 2017 Kistler L, Johnson SM, Irwin MT, Louis EE, Ratan A, & **Perry GH**, A massively parallel strategy for STR marker development, capture, and genotyping. *Nucleic Acids Research* gkx574.
- 2017 Patin E, Lopez M, Grollemund R, Verdu P, Harmant C, Quach H, Laval G, **Perry GH**, Barreiro LB, Froment A, Heyer E, Massougoudji A, Fortes-Lima C, Bellis G, Dugoujon JM, Pereira JB, Fernandes V, Pereira L, Van der Veen L, Mougouma-Daouda P, Bustamante CD, Hombert JM, & Quintana-Murci L, Dispersals and genetic adaptation of Bantu-speaking populations in Africa and North America. *Science* 356:543-546.

- 2017 Kennett DJ, Plog S, George RJ, Culleton BJ, Watson AS, Skoglund P, Rohland N, Mallick S, Stewardson K, Kistler L, LeBlanc SA, Whiteley PM, Reich D, & **Perry GH**, Archaeogenomic evidence reveals prehistoric matrilineal dynasty. *Nature Communications* 8:14115.
- 2017 Sullivan AP, de Manuel M, Marques-Bonet T, & **Perry GH**, An evolutionary medicine perspective on Neandertal extinction. *Journal of Human Evolution* 108:62-71.
- 2017 Moritz GL, Ong PS, **Perry GH**, & Dominy NJ, Functional preservation and variation in the cone opsin genes of nocturnal tarsiers. *Philosophical Transactions of the Royal Society B* 372:20160075.
- 2017 Lei R, Frasier CL, Hawkins MTR, Engberg SE, Bailey CA, McLain AT, Groves CP, Johnson SE, **Perry GH**, Nash SD, Mittermeier RA, & Louis EE, Phylogenomic reconstruction of sportive lemurs (genus *Lepilemur*) recovered from mitogenomes with inferences for Madagascar biogeography. *Journal of Heredity* 108:107-119.
- 2016 Hubbard TS, Murray IA, Bisson W, Sullivan AP, Sebastien A, **Perry GH**, Jablonski N, & Perdew GH, Divergent Ah receptor ligand selectivity during hominin evolution. *Molecular Biology and Evolution* 33:2648-2658.
- 2016 Bankoff RJ & **Perry GH**, Hunter-gatherer genomics: Evolutionary insights and ethical considerations. *Current Opinion in Genetics and Development* 41:1-7.
- 2016 Thompson KET, Bankoff RJ, Louis EE, & **Perry GH**, Deadwood structural properties may influence aye-aye (*Daubentonia madagascariensis*) extractive foraging behavior. *International Journal of Primatology* 37:281-295.
- 2016 Federman S, Dornburg A, Daly DC, Downie A, **Perry GH**, Yoder AD, Sargis EJ, Richard AF, Donoghue MJ, & Baden AL, Implications of lemuriform extinctions for the Malagasy flora. *Proceedings of the National Academy of Sciences, USA* 113:5041-5046.
- 2016 Melin AD, Wells K, Moritz GL, Kistler L, Orkin JD, Timm RM, Bernard H, Lakim MB, **Perry GH**, Kawamura S, & Dominy NJ, Euarchontan opsin variation brings new focus to primate origins. *Molecular Biology and Evolution* 33:1029-1041.
- 2015 Bankoff RJ, Randrianatoandro HDD, & **Perry GH**, Primate conservation genomics and paleogenomics. *American Anthropologist* 117:742-743.
- 2015 Kistler L, Newsom LA, Ryan TM, Clarke AC, Smith BD, & **Perry GH**, Gourds and squashes (*Cucurbita* spp.) adapted to megafaunal extinction and ecological anachronism through domestication. *Proceedings of the National Academy of Sciences, USA* 112:15107-15112.
- 2015 Fagny M, Patin E, Maclsaac J, Rotival M, Flutre T, Jones M, Siddle KJ, Quach H, Harmant C, McEwen L, Froment A, Heyer E, Gessain A, Betsem E, Mouguiama-Daouda P, Hombert JM, **Perry GH**, Barreiro LB, Kobor MS, & Quintana-Murci L, The epigenomic landscape of African rainforest hunter-gatherers and farmers. *Nature Communications* 6:10047.
- 2015 Lynch VJ, Bedoya-Reina OC, Ratan A, Sulak M, Drautz-Moses DI, **Perry GH**, Miller W, & Schuster SC, Elephantid genomes reveal the molecular bases of woolly mammoth adaptations to the arctic. *Cell Reports* 12:217-28.
- 2015 **Perry GH** & Orlando L, Ancient DNA and human evolution. *Journal of Human Evolution* 79:1-3.
- 2015 Kistler L, Ratan A, Godfrey LR, Crowley BE, Hughes CE, Lei R, Cui Y, Wood ML, Muldoon KM, Andriamialison H, McGraw JJ, Tomsho LP, Schuster SC, Miller W, Louis EE, Yoder AD, Malhi RS, & **Perry GH**, Comparative and population mitogenomic analyses of Madagascar's extinct, giant 'subfossil' lemurs. *Journal of Human Evolution* 79:45-54.
- 2015 **Perry GH**, Kistler L, Keleita MA, & Sams AJ, Insights into hominin phenotypic and dietary evolution from ancient DNA sequence data. *Journal of Human Evolution* 79:55-63.

- 2014 **Perry GH**, Parasites and human evolution. *Evolutionary Anthropology* 23:218-28.
- 2014 **Perry GH**, Foll M, Grenier JC, Patin E, Nedelec Y, Pacis A, Barakatt M, Gravel S, Zhou X, Nsobya S, Excoffier L, Quintana-Murci L, Dominy NJ, & Barreiro LB, Adaptive, convergent origins of the pygmy phenotype in African rainforest hunter-gatherers. *Proceedings of the National Academy of Sciences, USA* 111:E3596-603.
- 2014 Hodgson JA, Pickrell JK, Pearson LN, Quillen EE, Prista A, Rocha J, Soodyall H, Shriver MD, & **Perry GH**, Natural selection for the Duffy-null allele in the recently admixed people of Madagascar. *Proceedings of the Royal Society B* 281: 2014930.
- 2014 Kim HL, Ratan A, **Perry GH**, Montenegro A, Miller W, & Schuster SC, Khoisan hunter-gatherers have been the largest population throughout the majority of modern human demographic history. *Nature Communications* 5:5692.
- 2014 **Perry GH**, The promise and practicality of population genomics research with endangered species. *International Journal of Primatology* 35:55-70.
- 2014 Blekhman R, **Perry GH**, Shahbaz S, Fiehn O, Clark AG, & Gilad Y, Comparative metabolomics in primates reveals the effects of diet and gene regulatory variation on metabolic divergence. *Scientific Reports* 4:5809.
- 2014 Patin E, Siddle K, Laval G, Quach H, Harmant C, Becker N, Froment A, Regnault B, Lemee L, Gravel S, Hombert JM, Van der Veen L, Dominy NJ, **Perry GH**, Barreiro LB, Verdu P, Heyer E, & Quintana-Murci L, The impact of agricultural emergence on the genetic history of African rainforest hunter-gatherers and agriculturalists. *Nature Communications* 5:3163.
- 2013 **Perry GH**, Louis EE, Ratan A, Bedoya-Reina OC, Burhans R, Lei R, Johnson SE, Schuster SC, & Miller W, Aye-aye population genomic analyses highlight an important center of endemism in northern Madagascar. *Proceedings of the National Academy of Sciences, USA* 110:5823-8.
- 2013 Bedoya-Reina OC, Ratan A, Burhans R, Kim HL, Giardine B, Riemer C, Li Q, Olson TL, Loughran TP, vonHoldt BM, **Perry GH**, Schuster SC, & Miller W, Galaxy tools to study genome diversity. *GigaScience* 2:17.
- 2012 **Perry GH**, Melsted P, Marioni JC, Wang Y, Bainer R, Pickrell JK, Michelini K, Zehr S, Yoder AD, Stephens M, Pritchard JK, & Gilad Y, Comparative RNA sequencing reveals substantial genetic variation in endangered primates. *Genome Research* 22:602-10.
- 2012 **Perry GH**, Reeves D, Melsted P, Ratan A, Miller W, Michelini K, Louis EE, Pritchard JK, Mason CE, & Gilad Y, A genome sequence resource for the aye-aye (*Daubentonia madagascariensis*), a nocturnal lemur from Madagascar. *Genome Biology & Evolution* 4:126-35.
- 2012 **Perry GH**, Xue Y, Smith RS, Meyer WK, Çalışkan M, Yanez-Cuna O†, Lee AS†, Gutiérrez-Arcelus M†, Ober C, Hollox EJ, Tyler-Smith C, & Lee C, Evolutionary genetics of the human Rh blood group system. *Human Genetics* 131:1205-16.
- 2012 Iskow RC, Gokcumen O, Abyzov A, Malukiewicz J, Zhu Q, Sukumar AT, Pai AA, Mills RE, Habegger L, Cusanovich DA, Rubel MA, **Perry GH**, Gerstein M, Stone AC, Gilad Y, & Lee C, Regulatory element copy number differences shape primate expression profiles. *Proceedings of the National Academy of Sciences, USA* 12656-61.
- 2012 Villanea FA†, **Perry GH**, Gutierrez-Espeleta GA, & Dominy NJ, *ASPM* and the evolution of cerebral cortical size in a community of New World monkeys. *PLoS ONE* 7:e44928.
- 2012 Lei R, Rowley TW, Zhu L, Bailey CA, Engberg SE, Wood ML, Christman MC, **Perry GH**, Louis EE, & Lu G, PhyloMarker – a tool for mining phylogenetic markers through genome

- comparison: Application of the mouse lemur (genus *Microcebus*) phylogeny. *Evolutionary Bioinformatics* 8:423-35.
- 2010 **Perry GH**, Marioni JC, Melsted P, & Gilad Y, Genomic-scale capture and sequencing of endogenous DNA from feces. *Molecular Ecology* 19:5332-44.
- 2010 Luca F, **Perry GH**, & Di Rienzo A, Evolutionary adaptations to dietary changes. *Annual Review of Nutrition* 30:291-314.
- 2010 **Perry GH** & Pickrell JK, A rod cell marker of nocturnal ancestry. *Journal of Human Evolution* 58:207-10.
- 2010 Stone AC, Battistuzzi FU, Kubatko LS, **Perry GH**, Trudeau E, Lin H, & Kumar S, More reliable estimates of divergence times in *Pan* using complete mtDNA sequences and accounting for population structure. *Philosophical Transactions of the Royal Society B* 365:3277-88.
- 2009 **Perry GH** & Dominy NJ, Evolution of the human pygmy phenotype. *Trends in Ecology and Evolution* 24:218-25.
- 2008 **Perry GH**, Yang F, Marques-Bonet T, Murphy C, Fitzgerald T, Lee AS, Hyland C, Stone AC, Hurles ME, Tyler-Smith C, Carter NP, Lee C, & Redon R, Copy number variation and evolution in humans and chimpanzees. *Genome Research* 18:1698-710.
- 2008 **Perry GH**, Ben-Dor A, Tsalenko A, Sampas N, Rodriguez-Revenga L, Tran CW, Scheffer A, Steinfeld I, Tsang P, Yamada NA, Han Soo P, Il Kim J, Sun Seo J, Yakhini Z, Laderman S, Bruhn L, & Lee C, The fine-scale and complex architecture of human copy-number variation. *American Journal of Human Genetics* 82:685-95.
- 2008 **Perry GH**, The evolutionary significance of copy number variation in the human genome. *Cytogenetic and Genome Research* 123:283-87.
- 2008 Lee AS[†], Gutiérrez-Arcelus M[†], **Perry GH**, Vallender EJ, Johnson WE, Miller GM, Korbel JO, & Lee C, Analysis of copy number variation in the rhesus macaque genome identifies candidate loci for evolutionary and human disease studies. *Human Molecular Genetics* 17:1127-36.
- 2008 Verrelli BC, Stone AC, Lewis CM, & **Perry GH**, Different selective pressures shape the molecular evolution of color vision in chimpanzee and human populations. *Molecular Biology and Evolution* 25:2735-43.
- 2008 Ionita-Laza I, **Perry GH**, Raby BA, Klanderma B, Lee C, Laird NM, Weiss ST, & Lange C, On the analysis of copy-number variations in genome-wide association studies: A translation of the family-based association test. *Genetic Epidemiology* 32:273-84.
- 2007 **Perry GH**, Dominy NJ, Claw CG[†], Lee AS[†], Fiegler H, Redon R, Werner J, Villanea FA[†], Mountain JL, Misra R, Carter NP, Lee C, & Stone AC, Diet and the evolution of human amylase gene copy number variation. *Nature Genetics* 39:1256-60.
- 2007 **Perry GH**, Martin RD, & Verrelli BC, Signatures of functional constraint at aye-aye opsin genes: The potential of adaptive color vision in a nocturnal primate. *Molecular Biology and Evolution* 24:1963-70.
- 2007 **Perry GH**, Tito RY, & Verrelli BC, The evolutionary history of human and chimpanzee Y-chromosome gene loss. *Molecular Biology and Evolution* 24:853-9.
- 2006 Redon R*, Ishikawa S*, Fitch KR*, Feuk L*, **Perry GH***, Andrews TD, Fiegler H, ..., Tyler-Smith C, Carter NP, Aburatani H, Lee C, Jones KW, Scherer SW, & Hurles ME, Global variation in copy number in the human genome. *Nature* 444:444-54. *co-first authors
- 2006 **Perry GH**, Tchinda J, McGrath SD, Zhang J, Picker SR[†], Caceres AM[†], Iafrate AJ, Tyler-Smith C, Scherer SW, Eichler EE, Stone AC, & Lee C, Hotspots for copy number variation in

chimpanzees and humans. *Proceedings of the National Academy of Sciences, USA* 103:8006-11.

- 2006 Freeman JL, **Perry GH**, Feuk L, Redon R, McCarroll SA, Altshuler DM, Aburtani H, Jones KW, Tyler-Smith C, Hurles ME, Carter NP, Scherer SW, & Lee C, Copy number variation: New insights in genome diversity. *Genome Research* 16:949-61.
- 2006 **Perry GH**, Verrelli BC, & Stone AC, Molecular evolution of the primate developmental genes *MSX1* and *PAX9*. *Molecular Biology and Evolution* 23:644-54.
- 2006 McCarroll SA, Hadnott TN, **Perry GH**, Sabeti PC, Zody MC, Barrett JC, Dallaire S, Gabriel SB, Lee C, Daly MJ, & Altshuler DM, Common deletion polymorphisms in the human genome. *Nature Genetics* 38:86-92.
- 2005 **Perry GH**, Verrelli BC, & Stone AC, Comparative analyses reveal a complex history of molecular evolution for human *MYH16*. *Molecular Biology and Evolution* 22:379-82.

CURRENT RESEARCH SUPPORT

- 2016-2021 PI: **Perry GH**; Co-PI: Barreiro LB. R01-GM115656. Hunter-gatherer vs. agriculturalist growth and immune system functional genomics, \$1,507,830. National Institutes of Health – National Institute of General Medical Sciences.
- 2016-2021 PI: **Perry GH**. BCS-1554834. CAREER: An integrative genomic and biodemographic analysis of prehistoric human-environment interactions in an island ecosystem, with bioinformatics capacity development, \$465,123. National Science Foundation – Biological Anthropology, and Office of International Science and Engineering.
- 2017-2018 PI: **Perry GH**; Co-PI: Freeman KH, Culleton B, Kennett DJ. Biogeochemical, isotopic, and paleo-metagenomic interrogation of ecosystem change in Southwestern Madagascar. \$25,000. Penn State Institutes of Energy and the Environment – Seed Grant Program.
- 2015-2017 PI: **Perry GH**; Co-PI: Garcia HH. Hominin dietary evolution: A tapeworm parasite proxy study of meat eating and food cooking behaviors, \$34,156. Wenner-Gren Foundation – International Collaborative Research Grant.
- 2013-2017 PI: **Perry GH**. BCS-1317163. Comparative and population genomic studies of Madagascar's extinct subfossil lemurs, \$292,833. National Science Foundation – Biological Anthropology.

INVITED SEMINARS

Year	University	Department or Institute
2017	Institut Pasteur (Antananarivo, Madagascar)	Malaria and Infectious Disease
2017	Hunter College (New York, NY)	Anthropology
2017	Stanford University (Palo Alto, CA)	Computational, Evol., & Human Genomics
2016	University of Antananarivo (Madagascar)	Anthropology & Sustainable Development
2016	Juniata College (Huntingdon, PA)	HHMI Genomics Leadership Initiative
2016	George Washington Univ (Washington, DC)	Center for Adv Study of Human Paleobiology
2016	University of Michigan (Ann Arbor, MI)	Anthropology; <i>Student-invited speaker</i>
2015	University of Tennessee (Knoxville, TN)	Anthropology
2015	Rutgers University (New Brunswick, NJ)	Global Advancement & International Affairs
2015	Wayne State University (Detroit, MI)	Molecular Medicine and Genetics
2015	State University of New York at Buffalo (NY)	Ecology, Evolution, and Behavior
2015	Harvard University (Cambridge, MA)	Human Evolutionary Biology
2015	Washington State University (Pullman, WA)	Biology; <i>Student-invited plenary speaker</i>
2015	Virginia Commonwealth Univ (Richmond, VA)	School of World Studies
2014	Howard University (Washington, DC)	Biology
2014	University of Pennsylvania (Philadelphia, PA)	Anthropology
2014	Columbia University (New York, NY)	Biological Sciences

2014	University of Antananarivo (Madagascar)	Paleontology and Biological Anthropology
2014	Rutgers University (New Brunswick, NJ)	Anthropology
2014	University of Iowa (Iowa City, IA)	Anthropology
2013	University of Zurich (Switzerland)	Anthropological Institute and Museum
2013	Barcelona Biomedical Research Park (Spain)	Institute of Evolutionary Biology
2013	Duke University (Durham, NC)	Evolutionary Anthropology
2013	Duquesne University (Pittsburgh, PA)	Biological Sciences
2013	New York University (New York, NY)	CSHO; Anthropology
2013	University of Calgary (Canada)	Visiting Speakers Primatology; Anthropology
2011	Duke University (Durham, NC)	Duke Lemur Center
2010	Université de Nantes (France)	Institute du Thorax
2010	Pontificia Universidad Católica (Chile)	School of Medicine; Nutrition
2010	Duke University (Durham, NC)	Evolutionary Anthropology
2009	Hunter College (New York, NY)	NYCEP; Anthropology
2009	University of Leicester (UK)	Genetics
2007	Wellcome Trust Sanger Centre (UK)	Human Genetics

CONFERENCE PRESENTATIONS

Date	Meeting (Location)	Type	Notes
2017	American Assn of Physical Anthropologists (New Orleans, LA)	Poster	Invited symposium
2016	Genetics of Adaptation (Bangalore, India)	Podium	Invited speaker
2016	Human Rainforest Prehistories (Max Planck; Jena, Germany)	Podium	Invited speaker
2016	Human Ecological Dynamics Workshop (Taos, NM)	Podium	Invited speaker
2015	Natural History of Madagascar (Bruce Museum; Greenwich, CT)	Podium	Invited speaker
2015	American Assn of Physical Anthropologists (St. Louis, MO)	Podium	
2014	International Primatological Society (Hanoi, Vietnam)	Podium	Invited speaker
2014	American Assn of Physical Anthropologists (Calgary, Canada)	Podium	
2014	Application of Genomics to Anthropol. Res. (San Antonio, TX)	Podium	Invited speaker
2013	American Assn of Physical Anthropologists (Knoxville, TN)	Podium	
2012	International Primatological Society (Cancun, MX)	Podium	Invited speaker
2012	Food Oral Processing: Physics, Physiology (Beaune, France)	Podium	Plenary talk
2012	American Assn of Physical Anthropologists (Portland, OR)	Podium	
2010	Society for Molecular Biology & Evolution (Lyon, France)	Poster	
2010	American Assn of Physical Anthropologists (Albuquerque, NM)	Podium	Invited speaker
2009	American Assn of Physical Anthropologists (Chicago, IL)	Podium	Invited speaker
2009	Wellcome Trust – Genomic Disorders (Hinxton, UK)	Podium	Invited speaker
2008	British Society of Human Genetics (York, UK)	Podium	Plenary talk
2008	Society for Molecular Biology & Evolution (Barcelona, Spain)	Podium	
2007	American Assn of Human Genetics (San Diego, CA)	Podium	
2007	Intl Mtg Human Genome Variation (Barcelona, Spain)	Podium	
2007	International Congress Prosimians (Ithala, S. Africa)	Podium	
2007	American Assn of Physical Anthropologists (Philadelphia, PA)	Podium	
2006	Society for Molecular Biology & Evolution (Tempe, AZ)	Podium	
2006	American Assn of Physical Anthropologists (Anchorage, AK)	Podium	
2005	American Assn of Physical Anthropologists (Milwaukee, WI)	Podium	Student prize

STUDENT AND POSTDOC ADVISING (PRIMARY ADVISOR)

Years	Name	Type	Program
2017-	Kathleen Grogan ¹	Postdoc	Anthropology and Biology
2017-	Margarita Hernandez ²	Ph.D. student	Anthropology
2017-	Cory Henderson	Ph.D. student	Biology
2016-	Stephanie Marciniak	Postdoc	Anthropology
2016-	Audrey Arner	Undergrad honors	BioAnth & Biology; Millennium Scholar
2016-	Christina Bergey	Postdoc	Anthropology and Biology
2014-	Alexis Sullivan ³	Ph.D. student	Biology
2014-	David Villalta ³	Ph.D. student	Ecology
2013-	Richard Bankoff	Ph.D. student	Anthropology
2015-2017	Monica Guardado	Undergraduate	Biology
2015-2017	Angela Battaglia	Undergrad honors	Biology
2015-2016	Abby Koenig	Undergraduate	Immunology & Infect Disease; Statistics
2014-2016	Baily Hohman	Undergraduate	Biotechnology
2013-2016	Maya Evanitsky	Undergrad honors	Biochemistry and Molecular Biology
2014-2016	Jacob Cohen	Undergrad honors	Biology
2014-2016	Kyle Hilliard	Undergrad honors	Wildlife and Fisheries Science
2013-2015	Stephen Johnson	Ph.D. student	Anthropology
2014-2015	Adrijana Vukelic	Undergraduate	Biology
2012-2014	Logan Kistler ⁴	Postdoc	Anthropology
2013-2014	Michael Jerjos	Undergraduate	Biology
2011-2014	Katharine Thompson ⁵	Undergrad honors	Anthropology; Comm., Envir. & Dev.
2012-2014	Rebecca Coleman	M.A. student	Anthropology
2012-2013	Jason Hodgson ⁶	Postdoc	Anthropology

Notes:

¹ Katie Grogan received a three-year NIH NRSA postdoctoral fellowship (F32) in 2017.

² Maggie Hernandez received the NSF Graduate Research Fellowship in 2017.

³ Alexis Sullivan and David Villalta both received NSF Graduate Research Fellowships in 2016.

⁴ Logan Kistler was awarded a five year National Environment Research Council (NERC) Independent Fellowship in 2014. He was hired in 2017 as a Curator (tenure track equivalent) in the Department of Anthropology at the Smithsonian National Museum of Natural History.

⁵ Kate Thompson received an American Society of Primatologists grant for her honors thesis research on aye-aye foraging ecology in Madagascar, and an NSF Graduate Research Fellowship in 2015. She is now a PhD student at Stony Brook University.

⁶ Jason Hodgson accepted a tenure track position at Imperial College London in 2013.

STUDENT AND POSTDOC ADVISING (CO-ADVISOR)

Years	Name	Type	Program
2016-	Diego Hernandez ⁷	Ph.D. student	Anthropology
2015-	Rindra Rakotoarivony	Ph.D. student	University of Antananarivo ⁸
2015-	Heritiana Randrianatoandro	Ph.D. student	University of Antananarivo ⁸
2014-	Ziyu (Raining) Wang ⁹	Ph.D. student	Anthropology
2014-	Richard George ¹⁰	Ph.D. student	Anthropology

Notes:

⁷ Primary advisor is Mark Shriver.

⁸ Department of Anthropology & Sustainable Development, University of Antananarivo, Madagascar. Both Rindra and Heritiana visited our lab at Penn State for one year of training/ dissertation research.

⁹ Primary advisor is George Milner; Raining received the NSF Graduate Research Fellowship in 2015.

¹⁰ Primary advisor is Doug Kennett.

COURSES INSTRUCTED

Title	Course #	Semester	Level	Credits	Enrollment
Critical Analysis Bioinfor. & Genomics	MCIBS 541	Sp2017	G	1	8
Research Design (Proposal Writing)	ANTH 509	Fa2016	G	3	8
Critical Analysis Bioinfor. & Genomics	MCIBS 541	Sp2016	G	1	11
Current Lit Biological Anthropology	ANTH 563	Sp2016	G	1	10
Human Genetics (honors)	ANTH/BIOL 460H	Fa2015	U	4	15
Human Genetics	ANTH/BIOL 460	Fa2015	U/G	3	100
Research Design (Proposal Writing)	ANTH 509	Fa2015	G	3	8
Current Lit Biological Anthropology	ANTH 563	Fa2015	G	1	10
Parasites & Human Evolution (honors)	ANTH/ENT 271H	Sp2015	U	3	15
Advances in Biol Anth Research	ANTH 572	Sp2015	G	3	6
Human Genetics (honors)	ANTH/BIOL 460H	Fa2014	U	4	15
Human Genetics	ANTH/BIOL 460	Fa2014	U/G	3	77
Current Lit Biological Anthropology	ANTH 563	Fa2014	G	1	9
Parasites & Human Evolution (honors)	ANTH 297H	Sp2014	U	3	17
Human Genetics	ANTH/BIOL 460	Sp2014	U/G	3	89
Parasites & Human Evolution (honors)	ANTH 297H	Sp2013	U	3	18
Human Culture & Parasites (ind. study)	ANTH 596	Sp2013	G	3	3
Human Genetics	ANTH/BIOL 460	Fa2012	U/G	3	69
Current Lit Biological Anthropology	ANTH 563	Sp2012	G	1	5
Human Genetics (honors)	ANTH/BIOL 460H	Sp2012	U	4	8
Human Genetics (co-taught)	ANTH/BIOL 460	Sp2012	U/G	3	76

DISSERTATION COMMITTEE MEMBER (NON-CHAIR)

Year Defended	Name	University	Department/ Program
in process	Xiaoheng Cheng	Penn State University	Molec., Cell., & Integrative Biosci.
in process	Braulio Assis	Penn State University	Ecology
in process	Julie White	Penn State University	Anthropology
in process	Alexandre Harris	Penn State University	Molec., Cell., & Integrative Biosci.
in process	Kate Lesciotto	Penn State University	Anthropology
in process	George Lohay	Penn State University	Biology
in process	Chelsea Hudson	Penn State University	Cell & Developmental Biology
in process	William Miller	Penn State University	Ecology
in process	Anna Okula	Penn State University	Biochemistry & Molecular Biology
in process	Raining Wang	Penn State University	Anthropology
in process	Richard George	Penn State University	Anthropology
in process	Jen Tinsman	Columbia University	Ecology, Evolution, & Env. Biology
in process	Kevin Flaherty	Penn State University	Anthropology
in process	Elise Lauterbur	Stony Brook University	Ecology & Evolution
in process	Megan Aylward	University of Calgary	Anthropology
2017	Kelsey Kjosness	Penn State University	Anthropology
2016	Arslan Zaidi	Penn State University	Genetics
2015	Drew Wham	Penn State University	Biology
2015	Molly Hall	Penn State University	Biochemistry & Molecular Biology
2014	Jennifer Boulay	Penn State University	Biology
2014	Oscar Bedoya-Reina	Penn State University	Bioinformatics & Genomics
2013	Luca Pozzi	New York University	Anthropology

ACADEMIC HONORS AND AWARDS

2017-2018 Harry J. and Elissa M. Sichi Early Career Professor, Penn State University

2016-2021 National Science Foundation Faculty Early Career Development (CAREER) Award

- 2008-2011 National Research Service Award Postdoctoral Fellowship, National Institutes of Health
 2007-2008 Dissertation Fellowship Award, Division of Graduate Studies, Arizona State University
 2006 Donald H. Morris Award for Outstanding Doctoral Student in Physical Anthropology, School of Human Evolution and Social Change, Arizona State University
 2005 Juan Comas Prize, podium presentation, American Association of Physical Anthropologists
 1999 Most Outstanding Senior Award, Department of Anthropology, Wake Forest University

PRIMARY FIELDWORK EXPERIENCE

- 2011-2016 Madagascar (various locations). Extant lemur ecology and population genomics; human population genomics; subfossil lemur sampling for ancient DNA analysis.
 2015 Peru (Lima and rural surrounds). *Taenia solium* tapeworm cyst heat stress response functional genomics as proxy for the evolution of hominin food cooking behavior.
 2009-2015 Uganda (Bwindi Impenetrable Forest National Park). Batwa rainforest hunter-gatherer evolutionary ecology and population genomics.
 2005-2009 Costa Rica, Malaysia, Hong Kong, Philippines. Various shorter-term fieldwork projects with human rainforest hunter-gatherers and non-human primates.

UNIVERSITY AND PROFESSIONAL SERVICE

- Member: Steering Committee, The Ecology Institute, Penn State University (2014 – present).
 Member: Executive Council, American Association of Anthropological Genetics (2015 – 2017).
 Elections Committee, American Association of Anthropological Genetics (2012 – 2015).
 Member: Digital Data Management for a New Generation, American Anthropological Association (2015 – 2016); created data management & sharing training for biological anthropology.
 Editor: Board of Reviewing Editors, *eLife* (2016 – present).
 Editor: Special issue: Ancient DNA and Human Evolution. Co-guest editors: **Perry GH** & Orlando L (2015); *Journal of Human Evolution* 79:1-158.
 Reviewer: *eLife* (24), *Molecular Biology and Evolution* (9), *PLoS Genetics* (9), *Molecular Ecology* (7), *American Journal of Primatology* (7), *Proceedings of the National Academy of Sciences USA* (5), *Journal of Human Evolution* (5), *American Journal of Physical Anthropology* (5), *PLoS ONE* (5), *American Journal of Human Genetics* (3), *Genome Research* (3), *Human Biology* (3), *Proceedings of the Royal Society B* (3), *Genome Biology and Evolution* (3), *International Journal of Primatology* (3), *Biology Letters* (2), *Science* (2), *BioEssays* (2), *BMC Evolutionary Biology* (2), *Genome Biology* (1), *Nature Communications* (1), *Evolutionary Anthropology* (1), *Trends in Parasitology* (1), *Current Biology* (1), *Scientific Reports* (1), *Biological Journal of the Linnean Society* (1), *Annals of Human Genetics* (1), *Folia Primatologica* (1), *Molecular Ecology Resources* (1), *Conservation Genetics Resources* (1), *European Journal of Human Genetics* (1), *Gene* (1), *Evolutionary Applications* (1), *Open Quaternary* (1), *PeerJ* (1), *Theoretical Biology and Medical Modeling* (1), *ZooKeys* (1), *Caryologia* (1), *Institute for Laboratory Animal Research Journal* (1), *Molecular Phylogenetics and Evolution* (1).
 ‘Top reviewer for *Molecular Ecology* 2015’
 Reviewer: Cambridge University Press (1), Johns Hopkins University Press (1), Garland Science (1).
 Reviewer: National Science Foundation (57), L.S.B. Leakey Foundation Research Grants (13), American Association of Physical Anthropologists Professional Development Grants (10), The Wellcome Trust (1), Social Sciences and Humanities Research Council of Canada (1), National Fund for Scientific and Technological Development Research Grants, FONDECYT, Chile (1), Austrian Science Fund (1), BBSRC: Biotechnology & Biological Sciences Research Council (1), Royal Society of New Zealand Marsden Fund (1), Rufford Foundation (1).