Michael P. Muehlenbein

Research and Teaching Interests

1. One Health, including emerging infectious diseases, anthrozoology, travel medicine, and conservation medicine;
2. Evolutionary medicine, including ecological immunology, behavioral endocrinology, laboratory/field methods development, and public education.

Personal

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Department of Anthropology
Baylor University
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Web: www.michaelmuehlenbein.com

Citizenship: United States of America
Spouse: Catherine Elizabeth Muehlenbein (since 2001)
Children: Parrish Meyers (born 2009), Finnegan Darcy (born 2012), Greyson Lily (born 2014), Sawyer Wyatt (born 2016)

Education

Doctor of Philosophy in Biological Anthropology, Yale University (New Haven, CT), 2004
"Testosterone-mediated immune functions: An energetic allocation mechanism in human and non-human primate males"
Advisory committee: Richard G. Bribiescas, David P. Watts, Stephen C. Stearns

Master of Philosophy in Biological Anthropology, Yale University (New Haven, CT), 2002

Master of Science in Public Health in Tropical Medicine *and* Biostatistics (dual degree), Tulane University, School of Public Health and Tropical Medicine (New Orleans, LA), 2000
Advisory committee: Frank B. Cogswell, Mark A. James, James L. Blanchard

Bachelor of Arts in Anthropology *and* Environmental Sciences, Northwestern University (Evanston, IL), 1998
"The Ngisonyoka of Turkana: Nutrition and disease in northwest Kenya"
Advisory committee: Benjamin C. Campbell, John C. Hudson

Current Appointments

Baylor University
Chair and Full Professor (with tenure), Department of Anthropology (2017-)

Secondary appointments in the Department of Biology and the Program in Medical Humanities (2019-)
Graduate Program Director (2020-)

Past Appointments

The University of Texas at San Antonio
Full Professor (with tenure), Department of Anthropology, College of Liberal and Fine Arts (2015-2017)
Director, Laboratory for Evolutionary Medicine (2015-2017)
Member, South Texas Center for Emerging Infectious Diseases (2015-2017)
Member, Institute for Health Disparities Research (2015-2017)
Adjunct Scientist, Texas Biomedical Research Institute, Southwest National Primate Research Center, San Antonio (2015-2017)
Adjunct Faculty, The University of Texas School of Public Health San Antonio Regional Campus (2015-2017)

Indiana University, Bloomington
Associate Professor (with tenure), Department of Anthropology, College of Arts and Sciences, with 25% appointment in Department of International Studies, School for Global and International Studies (2012-2015)
Director, Evolutionary Physiology and Ecology Laboratory (2007-2015)
Affiliate, African Studies Program (2014-2015)
Affiliate, Southeast Asian Studies Program (2014-2015)
Affiliate, Center for the Study of Religion, Ethics, and Society (2014-2015)
Member, Integrated Program in the Environment (2013-2015)
Member, Cognitive Science Program (2013-2015)
Faculty Member, Center for the Integrative Study of Animal Behavior (2007-2015)
Assistant Professor (tenure-track), Department of Anthropology, College of Arts and Sciences, with 25% appointment in Program in International Studies (2007-2012)
Adjunct Faculty Member, Department of Biology (2007-2014)
Faculty Member, Center for Research in Environmental Sciences (2008-2012)
Faculty member, graduate minor in Social Science Approaches to Health and Healing Systems (2008-2012)
Associate Faculty Member, Anthropological Center for Training and Research on Global Environmental Change (2007-2013)
Faculty Member, Center for Environmental Health (2007-2013)
Faculty Member, Center for the Study of Global Change (2007-2013)

University of Wisconsin, Milwaukee
Assistant Professor (tenure-track), Department of Anthropology (2004-2007)
Faculty Associate, Department of Biological Sciences (2004-2007)
Faculty Associate, Neuroscience Program (2004-2007)

Continuing Education

Department Executive Officer Program, Committee on Institutional Cooperation. Rosemont, IL, November 6-8, 2014

Teaching Research Ethics, 17th annual Teaching Research Ethics Workshop, Indiana University. Bloomington, IN, May 18-21, 2010

Certificate in Travel Medicine, 16th annual Swiss International Short Course on Travelers' Health, Swiss Tropical Institute. Basel, Switzerland, February 1-5, 2010

Honors and Awards

2021

Elected to Executive Committee, International Society for Evolution, Medicine and Public Health

Program Chair, International Society for Evolution, Medicine and Public Health

2020

Program Chair, International Society for Evolution, Medicine and Public Health

2019

Circle of Achievement, Baylor University Mortar Board National College Senior Honor Society

Vice President, Texas Association of Biology Anthropologists

2018

Margaretha Isaacson Memorial Lecture, South African Society of Travel Medicine

2017

Appointed associate editor, American Journal of Primatology, Wiley Press

Nominated for the UTSA President's Distinguished Achievement Award for Research

2015

Keynote speaker, "Darwin Day," Eastern Illinois University

IU Sustainability Community of Practice Fellowship (declined)

2014

Selected for Department Executive Officer Program, Committee on Institutional Cooperation, Indiana University

2012

Outstanding Junior Faculty Award, Indiana University (one of only four individuals selected annually across all eight campuses)

Trustee's Teaching Award, Department of Anthropology, Indiana University

Elected chair, ecotourism subcommittee, Destinations Communities Support Interest Group, International Society of Travel Medicine

2011

Appointed general editor, Cambridge Studies in Biological and Evolutionary Anthropology, Cambridge University Press

Appointed associate editor, Journal of Evolutionary Medicine, Ashdin Publishing

Appointed associate editor, Ecological Parasitology and Immunology, Ashdin Publishing

2009

Elected advisory committee member, Anthropological Center for Training and Research on Global Environmental Change, Indiana University
Elected faculty advisor, University Coalition for Global Health, Indiana University
Appointed member, International Union for Conservation of Nature, Species Survival Commission, Primate Specialist Group
Appointed member, Sabah Wildlife Advisory Panel, Malaysia

2008

Elected advisory board member, "One Here…One There," student organization for education of African children
Recipient, Excellence in Teaching Award, Program in International Studies, Indiana University
Appointed senior health advisor, Sabah Wildlife Department, Malaysia
Nominated member, Publications Committee, Human Biology Association
Appointed member, International Studies Internal Advisory Board

2007

Keynote speaker, "Darwin Day," University of Wisconsin-Madison

2006

Appointed consulting editor, Human Nature, Springer Press
Nominated, Junior Faculty Research Award, University of Wisconsin-Milwaukee

2002

Recipient, Disney's Animal Kingdom Conservation Fellowship (declined)

2000

Recipient, outstanding student presentation, 12th Annual Neuroscience Center Retreat, Louisiana State University Health Sciences Center

1998

Recipient, Dean's Award, Tulane University, School of Public Health and Tropical Medicine
Recipient, Peace Corps Master's International Fellowship (declined)
Recipient, Departmental Honors, Environmental Sciences, Northwestern University
Dean's List, Northwestern University
Recipient, National Evans Scholars' Committee 4.0 Award

1997

Dean's List, Northwestern University
Recipient, National Evans Scholars' Committee 4.0 Award

1994

Eagle Scout, Boy Scouts of America

1994-1998

Recipient, Evans Scholar Foundation Award, full scholarship to Northwestern University

Extramural Grants and Fellowships (organized by topic; $709,697 received to date; P.I. for $306,099)

Public Health

2020

Waco COVID Survey (collaborators Erich Baker and Sally Weaver). Copper Foundation of Waco ($48,000).

2020

Waco COVID Survey (collaborators Erich Baker and Sally Weaver). Family Health Center ($20,000).

2020

Waco COVID Survey (collaborators Erich Baker and Sally Weaver). Rapaport Foundation of Waco ($20,000).

In preparation

Risk perceptions of Zika virus infection, environmental knowledge, locus of control, and access to healthcare in the Rio Grande Valley, Texas (P.I. Jill Fleuriet). National Science Foundation, Program in Cultural Anthropology, Rapid Response Research ($25,000)

One Health

In revision

Collaborative research: Species richness and evolutionary ecology of primate malarias on the island of Borneo (Co-P.I. Ananias Escalante). National Science Foundation, Program in Biodiversity, ($1,479,497).

2007-2008

Assessing disease ecology and the impacts of ecotourism on wild orangutans in Sabah, Malaysia (P.I. Marc Ancrenaz). U.S. Fish and Wildlife Service, Great Ape Conservation Fund ($28,840).

2006-2007

Health monitoring of wild orangutans in Sabah (P.I. Marc Ancrenaz). Disney Wildlife Conservation Fund ($21,100).

Working

Health monitoring of chimpanzee populations in wet and dry habitats: Prospective comparison on the Ngogo and Semliki populations, Uganda (collaborators David Watts and Kevin Hunt). Arcus Foundation.

Evolutionary Medicine

In preparation for 2021 submission

Hormones and mortality in the National Health and Nutrition Examination Survey, Framingham Heart Study, Vietnam Experience Study, the Air Force Health Study, the Rancho Bernardo Study, the Study of Health in Pomerania, the National Social Life, Health, and Aging Project, the Massachusetts Male Aging Study, the European Male Aging Study, and the Copenhagen City Heart Study (collaborator Corey Sparks). National Institute on Aging, R21 ($247,000).

Immunological correlates and consequences of religiosity (collaborator Christopher Ellison). The John Templeton Foundation ($269,000).

In revision

Endocrine and metabolic biomarkers of infection: Evolutionary insights with clinical applications. National Institutes of Health, National Institute of General Medical Sciences, R01 ($940,000).

Human social behavior and infectious disease. National Institutes of Health, National Institute of General Medical Sciences, R01 ($1,235,000).

2020-2024

Samoan identity and health: Tattooing as a cultural determinant of health (collaborator Christopher Lynn). National Science Foundation, Program in Cultural Anthropology ($88,845 to Baylor).

2019-2020

The ADaPT Project: Adaptation, dispersals and phenotype (collaborators Jay Stock and Danny Longman). European Research Council and Cambridge University ($68,620 to Baylor).

2011-2015

Towards an understanding of honest sexual signaling utilizing captive macaques (collaborators Kate Baker and Greg Demas). National Science Foundation, Program in Physical Anthropology, BCS-1127410 ($304,269).

2007-2011

Collaborative research: Early childhood stress, personality and reproductive strategies in a matrifocal community (P.I.'s Mark Flinn and Rob Quinlan; Co-P.I.'s David Leone and Marsha Quinlan). National Science Foundation, Programs in Cultural and Physical Anthropology, BCS-0650442 ($285,038).

Graduate Study

2003

Hormonal correlates with gastrointestinal parasite infections in common chimpanzees in Kibale National Park, Uganda. American Society of Primatologists ($1,330).

2002

Hormonal correlates with *Plasmodium vivax* infection in Hondurans. Sigma Xi Foundation, Grant-in-Aid ($500).

Intramural Grants and Fellowships (organized by topic; $485,580 received to date; P.I. for $454,075 [includes $63,000 in graduate fellowships])

Evolutionary Medicine

In review

Disgust and Immunity, Undergraduate Research and Scholarly Achievement Program, Small Grant Application, Baylor University ($4,932).

2012

Summer Faculty Fellowship, College of Arts and Sciences, Indiana University ($8,000).

2008

Summer Faculty Fellowship, College of Arts and Sciences, Indiana University ($8,000).

2006

Human endocrine responses to immune activation. Research Growth Initiative, University of Wisconsin-Milwaukee ($164,282).

Effects of testosterone supplementation on immune functions in HIV-infected men. Graduate School Research Committee Award, University of Wisconsin-Milwaukee ($14,700).

One Health

2014

Conservation values, personality, and motivations for conserving primate populations (with Vicky Meretsky). Consortium for the Study of Religion, Ethics, and Society, Indiana University ($10,000).

2010

Determining the risks of human-wildlife pathogen transmission in Gibraltar. Office of the Vice Provost for International Affairs, Overseas Research Study Program, Indiana University ($2,000).

2009

Determining the risks of human-wildlife pathogen transmission at ecotourism locations. Office of the Vice Provost for Research, Faculty Research Support Program, Indiana University ($69,793).

Culture, environmental health and movement in the Dominican alps: Community-integrated transdisciplinary workshops in the applied sociomedical sciences (P.I. Fernando Ona). Multidisciplinary Ventures and Seminars Fund, Indiana University ($7,000).

2006

Assessing emerging infectious disease risk in Borneo. Center for International Education, Faculty Travel Award, University of Wisconsin-Milwaukee ($300).

Teaching

2016

UTSA International Faculty Travel Grant to support field school on Anthropology of Health and Environment in Guadalajara, Mexico ($1,000).

2016

UTSA Alvarez International Study Fund Program Award for field school on Anthropology of Health and Environment in Guadalajara, Mexico ($7,500). With Jill Fleuriet.

2012

Center for the Integrative Study of Animal Behavior, Indiana University, Primate Behavior Speaker Series ($10,000).

2011

Global Health online course development, Summer Instructional Development Grant, Center for Innovative Teaching and Learning, Indiana University ($8,000).

2009

Center for the Integrative Study of Animal Behavior, Indiana University, Behavioral Endocrinology Speaker Series ($5,000).

Miscellaneous

2017

Start-up funding for equipping of Anthropology Core Laboratory. Baylor University (undisclosed amount).

2015

Start-up funding for equipping of Laboratory for Evolutionary Medicine. UTSA (undisclosed amount).

2010

Healthy communities surveillance and management: An ecological model to increase youth participation in physical activity in sentinel public Indiana park and recreation agencies (Bloomington) (P.I. David Compton). School of HPER, Faculty Research Support Program, Indiana University ($24,505).

2007

Start-up funding for renovation and equipping of Evolutionary Physiology and Ecology Laboratory, Indiana University (undisclosed amount).

2004

Start-up funding for laboratory, University of Wisconsin-Milwaukee (undisclosed amount).

Graduate Study

2003

Teaching Fellowship. Department of Anthropology, Yale University ($15,000).

Hormonal correlates with Venezuelan Equine Encephalitis virus infection in captive macaques. John Perry Miller Fund, Yale University ($1,500).
Williams Fund. Yale University ($1,250).
Conference Travel Award. Schwartz Family Foundation, Yale University ($1,500).

2002

Dissertation Writing Fellowship. Yale University ($15,000).
Hormonal correlates with gastrointestinal parasite infections in common chimpanzees in Kibale National Park, Uganda. Ph.D. Research Award, Yale Institute for Biospheric Studies, Center for Field Ecology, Yale University ($7,000).
Hormonal correlates with gastrointestinal parasite infections in common chimpanzees in Kibale National Park, Uganda. Wilbur G. Downs International Health Student Fellowship, Yale University Medical Center ($5,000).

2001

Graduate School Summer Study Fund. Yale University ($5,500).
Williams Fund. Yale University ($1,250).
Conference Travel Award. Schwartz Family Foundation, Yale University ($1,500).

2000-2002

Graduate Research Fellowship. Yale University ($30,000).

2000

Outstanding student presentation, 12th Annual Neuroscience Center Retreat, Louisiana State University Health Sciences Center ($1000).

1998

Dean's Award. School of Public Health and Tropical Medicine, Tulane University ($3000).

Publications (organized by topic; all peer-reviewed, except when indicated by "^"; student authors indicated by "*")

Public Health

2021

Gassen J, Nowak TJ*, Henderson AD*, Weaver SP, Baker EJ, Muehlenbein MP (corresponding author). Unrealistic optimism and risk for COVID-19 disease. Frontiers in Psychology 12:647461.doi: 10.3389/fpsyg.2021.647461
Ryan BJ, Muehlenbein MP, Allen J, Been J, Boyd K, Brickhouse M, Brooks BW, Burchett M, Chambliss CK, Cook JD, Ecklund A, Fogleman L, Granick P, Hynes S, Hudson T, Huse M, Lamb M, Lowe T, Marsh J, Matthews W, Stern S, Wheelis M, Brickhouse N. Sustaining university operations during the COVID-19 pandemic. Disaster Medicine and Public Health Preparedness doi: https://doi.org/10.1017/dmp.2021.69.

2012

Robertson T, Symonds M, Muehlenbein MP, Robertson C. Health, wellness, and quality of life. In: Introduction to Recreation and Leisure. Human Kinetics, p. 305-320.

2011

^ Edited volume: Compton DM, Muehlenbein MP (eds). Healthy Communities: Repositioning Public Park and Recreation Agencies as Catalysts for Healthy People. Educational workbook for the Indiana Park and Recreation Association.

^ Compton DM, Muehlenbein MP. Healthy communities: A public parks and recreation imperative. In: Compton DM, Muehlenbein MP (eds). Healthy Communities: Repositioning Public Park and Recreation Agencies as Catalysts for Healthy People. Educational workbook for the Indiana Park and Recreation Association, p. 9-13.

^ Robertson T, Symonds M, Muehlenbein MP. The public health imperative: Promoting health and preventing lifestyle-related illness and disease. In: Compton DM, Muehlenbein MP (eds). Healthy Communities: Repositioning Public Park and Recreation Agencies as Catalysts for Healthy People. Educational workbook for the Indiana Park and Recreation Association, p. 14-24.

^ Ona F, Saubert S, Muehlenbein MP. Healthy communities: A rationale for surveillance. In: Compton DM, Muehlenbein MP (eds). Healthy Communities: Repositioning Public Park and Recreation Agencies as Catalysts for Healthy People. Educational workbook for the Indiana Park and Recreation Association, p. 30-36.

^ Piatt J, Compton DM, McDevitt P, Muehlenbein MP. Managing the healthy community. In: Compton DM, Muehlenbein MP (eds). Healthy Communities: Repositioning Public Park and Recreation Agencies as Catalysts for Healthy People. Educational workbook for the Indiana Park and Recreation Association, p. 133-137.

2004

Etheredge GD, Michael G, Muehlenbein MP, Frenkel JK. The roles of cats and dogs in Toxoplasma infection in Kuna and Embera children of eastern Panama. Pan American Journal of Public Health 16:176-186.

Working

Franzidis A*, Muehlenbein MP. Assessing student knowledge, attitudes and practices regarding the prevention of infectious disease. Intended for Journal of America College Health.

Franzidis A*, Muehlenbein MP. Spring Break and student travel: Do they understand the risks? Intended for Global Health Promotion.

One Health

In revision

Muehlenbein MP, Prall SM*, Nathan S, Ambu L. Respiratory viruses as roadblocks to primate conservation. Scientific Reports.

Muehlenbein MP. Review of primate zoonoses and anthroponoses. EcoHealth.

^ Muehlenbein MP, Brink G. ISTM Recommendations on Nature-Based Tourism from the Destination Communities Support Interest Group. International Society for Travel Medicine.

2021

Muehlenbein MP, Dore KM, Gassen J, Nguyen V*, Jolley GO*, Gallagher C. Travel

medicine meets conservation medicine: Disinhibition, cognitive-affective inconsistency, and disease risk among vacationers around green moneys. American Journal of Primatology doi: 10.1002/ajp.23301.

2020

Muehlenbein MP, Angelo KM, Schlagenhaul P, Chen L, Grobusch MP, Gautret P, Duvignaud A, Chappuis F, Kain KC, Bottieau E, Epelboin L, Shaw M, Hynes N, Hamer DG, GeoSentinel Surveillance Network. Traveller exposures to animals: A GeoSentinel analysis. Journal of Travel Medicine doi: 10.1093/jtm/taaa010

2019

Muehlenbein MP. Ecotourism. In: Keystone JS,Kozarsky PE, Freedman DO, Nothdurft HD, Connor BA, eds. Travel Medicine, 4th edition. Elsevier, p. 363-370.

2018

Miller IF, Schneider-Crease I, Nunn CL, Muehlenbein MP (corresponding author). Estimating infection prevalence: Best practices and their theoretical underpinnings. Ecology and Evolution 8:6738-6747.

^ Muehlenbein MP. Health assessment. In: Fuentes A (ed). The International Encyclopedia of Primatology. Wiley-Blackwell.

^ Muehlenbein MP. Anthroponoses. In: Fuentes A (ed). The International Encyclopedia of Primatology. Wiley-Blackwell.

2017

Muehlenbein MP. Primates on display: Potential disease consequences beyond bushmeat. Yearbook of Physical Anthropology 162:32-43.

2016

Muehlenbein MP. Disease and human-animal interactions. Annual Review of Anthropology 45:395-416.

2015

Muehlenbein MP, Delgado MP, Prall SP*, Ambu L, Nathan S, Alsisto S, Ramirez D, Selgado M, Escalante A. Evolutionary relationships among malaria (*Plasmodium*) species in nonhuman primates of Borneo. Molecular Biology and Evolution 32:422-439.

^ Muehlenbein MP. Health risks associated with ecotourism. Tipsheet for the International Association for Medical Assistance to Travellers (https://www.iamat.org/elibrary/view/id/3049).

2014

Muehlenbein MP, Wallis J. Understanding risks of disease transmission associated with primate-based tourism. In: Russon A, Wallis J, eds. Primate-Focused Tourism. Cambridge University Press, p. 278-291.

2013

^ Muehlenbein MP. Health risks associated with ecotourism. Guest blog for the International Association for Medical Assistance to Travellers (http://www.iamat.org/blog/index.cfm/2013/5/31/Health-Risks-Associated-with-Ecotourism).

Muehlenbein MP, Lewis CM*. Health assessment and epidemiology. In: Sterling, Bynum and Blair, eds. Primate Ecology and Conservation: A Handbook of Techniques. Oxford University Press, 40-57.

Samson DR*, Muehlenbein MP, Hunt KD. Do chimpanzees (*Pan troglodytes schweinfurthii*) exhibit sleep related behaviors that minimize exposure to parasitic arthropods? A preliminary report on sleep site choice and the arthropod-repellent properties of tree species (*Cynometra alexandri*). Primates 54:73-80.

2012

Muehlenbein MP. Emerging infectious diseases and human-wildlife interactions. In: Brondizio and Moran, eds. Human-Environment Interactions. Springer, p. 79-94.

Muehlenbein MP, Ancrenaz M, Sakong R, Ambu L, Prall SP*, Fuller G, Raghanti MA. Ape conservation physiology: Fecal glucocorticoid responses in wild *Pongo pygmaeus morio* following human visitation. PLoS ONE 7(3): e33357.

2010

Muehlenbein MP, Martinez LA*, Lemke AA*, Ambu L, Nathan S, Alsisto S, Sakong R. Unhealthy travelers present challenges to sustainable ecotourism. Travel Medicine and Infectious Disease 8:169-175.

2009

Muehlenbein MP, Ancrenaz M. Minimizing pathogen transmission at primate ecotourism destinations: The need for input from travel medicine. Journal of Travel Medicine 16:229-232.

Muehlenbein MP. The application of endocrine measures in primate parasite ecology. Huffman and Chapman, eds. Primate Parasite Ecology: The Dynamics of Host-Parasite Relationships. Cambridge University Press, p. 63-81.

2008

Muehlenbein MP, Martinez LA*, Lemke AA*, Andau P, Ambu L, Nathan S, Alsisto S, Sakong R. Perceived vaccination status in ecotourists and risks of anthropozoonoses. EcoHealth 5:371-378.

2005

Muehlenbein MP. Parasitological analyses of the male chimpanzees (*Pan troglodytes schweinfurthii*) at Ngogo, Kibale National Park, Uganda. American Journal of Primatology 65:167-179.

2003

Muehlenbein MP, Schwartz M, Richard A. Parasitological analyses of the sifaka (*Propithecus verreauxi verreauxi*) at Beza Mahafaly, Madagascar. Journal of Zoo and Wildlife Medicine 34:274-277.

Working

Edited volume: Muehlenbein MP, Petrzelkova K, Modry D (eds). Primate Parasitology: History, Methods and Development. Special issue of the International Journal of Primatology, Springer. (12 articles, 16 authors)

Phillips-Conroy J, Muehlenbein MP, Jolly C. Parasites and disease. In: Phillips-Conroy and Jolly, eds. Baboons of the Awash: Integrative Field and Laboratory Studies of a Hybrid Zone. Wiley-Liss.

Muehlenbein MP, Huffman M, Nunn C. A history of primate parasitology. Intended for the International Journal of Primatology.

Evolutionary Medicine

In revision

Muehlenbein MP, Shattuck EC*, Prall SP*. A meta-analysis on androgen supplementation and immune function in humans. Scientific Reports.

Shattuck EC*, Muehlenbein MP. Sickness behavior in humans not expressed following rabies vaccination: a within-subjects experiment. Human Biology.

Muehlenbein MP, Prall SM*, Chester E*. Functional measures of immunity in human and nonhuman primates. Functional Ecology.

Muehlenbein MP, Sparks C. Testosterone and infectious disease mortality in the NHANES database. American Journal of Human Biology.

2021

Gassen J, Nowak TJ, Henderson AD, Muehlenbein MP. Dynamics of temperature change during experimental respiratory virus challenge: Relationships with symptoms, stress hormones, and inflammation. Brain, Behavior, and Immunity 99:157-165.

2020

Ponzi D, Flinn MV, Muehlenbein MP, Nepomnaschy PA. Hormones and human developmental plasticity. Molecular and Cellular Endocrinology 505:110721.

2018

Shattuck EC*, Muehlenbein MP. Religiosity/spirituality and physiological markers of health. Journal of Religion and Health. Doi: 10.1007/s10943-018-0663-6.

Prall SP*, Muehlenbein MP. DHEA modulates immune function: A review of evidence. Vitamins and Hormones 108:125-144.

^ Prall SP*, Muehlenbein MP. Hormonal correlates of dominance. In: Fuentes A (ed). The International Encyclopedia of Primatology. Wiley-Blackwell.

2017

Muehlenbein MP, Prall SP*, DeHays HN*. Immunity, hormones, and life history trade-offs. In: Jasienska G, Sherry DS, Holmes DJ (eds). The Arc of Life: Evolution and Health Across the Life Course. Springer, p. 99-120.

Prall SP*, Larson EE*, Muehlenbein MP. The role of dehydroepiandrosterone on functional innate immune responses to acute stress. Stress and Health. DOI 10.1002/smi.2752

Longman D*, Prall SP*, Shattuck EC*, Stock J, Wells J, Muehlenbein MP (corresponding author). Short-term resource allocation during extensive athletic competition. American Journal of Human Biology. DOI 10.1002/ajhb.23052

2016

Ponzi D, Muehlenbein MP, Geary DC, Flinn MV. Cortisol, salivary alpha-amylase and children's perceptions of their social networks. Social Neuroscience 11(2):164-174.

Shattuck EC*, Muehlenbein MP. Towards an integrative picture of human sickness behavior. Brain, Behavior, and Immunity 57:255-262.

2015

Prall SP*, Muehlenbein MP. Dehydroepiandrosterone and multiple measures of functional immunity in young adults. American Journal of Human Biology 27:877-880.

Brenner S, Jones JP, Rutanen Whaley RH, Parker W, Flinn M, Muehlenbein MP (corresponding author). Evolutionary mismatch and chronic psychological stress. Journal of Evolutionary Medicine 3:235885.

Georgiev A, Muehlenbein MP, Prall SP*, Emory Thompson M, Maestripieri D. Male quality, dominance rank and mating success in free-ranging rhesus macaques. Behavioral Ecology 26(3)763-772.

Shattuck EC*, Muehlenbein MP. Human sickness behavior: Ultimate and proximate explanations. American Journal of Physical Anthropology 157:1-18 (cover article).

Shattuck EC*, Muehlenbein MP. Mood, behavior, testosterone, cortisol, and interleukin-6 in adults during immune activation: A pilot study to assess sickness behaviors in humans. American Journal of Human Biology 27:133-135.

Prall SP*, Ambu L, Nathan S, Alsisto S, Ramirez D, Muehlenbein MP (corresponding author). Androgens and innate immunity in rehabilitated free-ranging Orangutans (*Pongo pygmaeus morio*) from Malaysian Borneo. American Journal of Primatology 77:642-650 (cover article).

2014

Prall SP*, Muehlenbein MP (corresponding author). Testosterone and immune function in primates: A brief summary with methodological considerations. International Journal of Primatology 35:805-824.

Ponzi D*, Muehlenbein MP, Sgoifo A, Geary DC, Flinn MV. Day-to-day variation of salivary cortisol and dehydroepiandrosterone (DHEA) in children from a rural Dominican community. Adaptive Human Behavior and Physiology 1:12-24.

2013

Borniger JC*, Chaudhry A*, Muehlenbein MP (corresponding author). Relationships among musical aptitude, digit ratio, testosterone and cortisol in men and women. PLoS ONE 8(3):e57637.

2012

Flinn MV, Ponzi D*, Muehlenbein MP. Hormonal mechanisms for regulation of aggression in human coalitions. Human Nature 23:68-88.

Parker W, Perkins SE, Harker M, Muehlenbein MP. A prescription for clinical immunology: The pills are available and ready for testing. Current Medical Research and Opinion 28:1193-1202.

2011

Muehlenbein MP, Flinn MV. Patterns and processes of human life history evolution. In: Flatt and Heyland, eds. Mechanisms of Life History Evolution. Oxford University Press, p. 153-168.

Flinn MV, Nepomnaschy PA, Muehlenbein MP, Ponzi D. Evolutionary functions of

early social modulation of hypothalamic-pituitary-adrenal axis development in humans. Neuroscience and Biobehavioral Reviews 35:1611-1629.

Demas GE, Zysling DA, Beecher B, Muehlenbein MP, French SS. Beyond phytohemagglutination: Assessment of vertebrate immune function across ecological contexts. Journal of Animal Ecology 80:710-730.

^ Muehlenbein MP, Prall SP*, Chester E*. Bacteria killing assay for human saliva. Published on www.biologicalanthropology.org.

^ Muehlenbein MP, Wittwer D, Ziegler T. 2011. Oxytocin enzyme immunoassay for human urine (published on www.biologicalanthropology.org).

^ Muehlenbein MP, Wittwer D, Ziegler T. Cortisol enzyme immunoassay for orangutan feces (published on www.biologicalanthropology.org).

2010

Muehlenbein MP, Hirschtick JL, Bonner JZ, Swartz AM. Towards quantifying the usage costs of human immunity: Altered metabolic rates and hormone levels during acute immune activation in men. American Journal of Human Biology 22:546-556.

Muehlenbein MP. Evolutionary medicine, immunity and infectious diseases. In: Muehlenbein, ed. Human Evolutionary Biology. Cambridge University Press, p. 459-490.

^ Muehlenbein MP. Book Review: Endocrinology of Social Relationships. American Journal of Physical Anthropology 143:495-496.

Muehlenbein MP, Bribiescas RG. Male reproduction: Physiology, behavior and ecology. In: Muehlenbein, ed. Human Evolutionary Biology. Cambridge University Press, p. 351-375.

Bribiescas RG, Muehlenbein MP. Evolutionary endocrinology. In: Muehlenbein, ed. Human Evolutionary Biology. Cambridge University Press, p. 127-143.

Muehlenbein MP, Watts DP. The costs of dominance: testosterone, cortisol and intestinal parasites in wild male chimpanzees. BioPsychoSocial Medicine 4:21.

2009

^ Flinn MV, Muehlenbein MP, Ponzi D. Social neuroendocrinology of the human child. Behavioral and Brain Sciences 32:27-28.

2008

Muehlenbein MP. Adaptive variation in testosterone levels in response to immune activation: Empirical and theoretical perspectives. Social Biology 53:13-23.

2006

Muehlenbein MP. Intestinal parasite infections and fecal steroid levels in wild chimpanzees. American Journal of Physical Anthropology 130:546-550.

Muehlenbein MP, Cogswell F, James M, Koterski J, Ludwig G. Testosterone correlates with Venezuelan Equine Encephalitis virus infection in macaques. Virology Journal 3:19-27.

2005

Muehlenbein MP, Bribiescas RG. Testosterone-mediated immune functions and male life histories. American Journal of Human Biology 17:527-558.

Muehlenbein MP, Algier J, Cogswell F, James M, Krogstad D. The reproductive

endocrine response to *Plasmodium vivax* infection in Hondurans. American Journal of Tropical Medicine and Hygiene 73:178-187.

Muehlenbein MP, Campbell BC, Watts DP, Richards RJ, Svec F, Phillippi KM, Murchison MA, Myers L. Leptin, adiposity, and testosterone levels in captive male macaques. American Journal of Physical Anthropology 127:335-341.

2004

Muehlenbein MP, Watts DP, Whitten P. Dominance rank and fecal testosterone levels in adult male chimpanzees (*Pan troglodytes schweinfurthii*) at Ngogo, Kibale National Park, Uganda. American Journal of Primatology 64:71-82.

2003

Muehlenbein MP, Campbell BC, Richards RJ, Svec F, Phillippi KM, Murchison MA, Myers L. Leptin, body composition, adrenal and gonadal hormones among captive male baboons. Journal of Medical Primatology 32:320-324.

Muehlenbein MP, Richards RJ, Campbell BC, Phillippi KM, Murchison MA, Myers L, Svec F. Dehydroepiandrosterone-sulfate as a biomarker of senescence in male non-human primates. Experimental Gerontology 38:1077-1085.

2002

Muehlenbein MP, Campbell BC, Murchison MA, Phillippi KM. Morphological and hormonal parameters in two species of macaques: Impact of seasonal breeding. American Journal of Physical Anthropology 117:218-227.

2001

Muehlenbein MP, Campbell BC, Phillippi KM, Murchison MA, Richards RJ, Svec F, Myers L. Reproductive maturation in a sample of captive male baboons. Journal of Medical Primatology 30:273-282.

Working

Rynkiewicz EC*, Prall SP*, Clay K, Muehlenbein MP. In review. Immune phenotype of wild rodents in the context of tick burden and blood-borne pathogen infection. Parasitology.

Shattuck EC*, Muehlenbein MP (corresponding author). Oxytocin and immune activation in men and women. Biological Psychology.

Prall SP*, Shattuck ES*, Muehlenbein M. Dehydroepiandrosterone and the endocrine response to immune activation. Intended for Biology Letters.

Prall SP*, Muehlenbein MP. The role of dehydroepiandrosterone in immunocompetence and human life history evolution. Intended for the American Journal of Physical Anthropology.

Prall SP*, Muehlenbein MP. Androgens and immunity: Why such inconsistent results? Intended for Proceedings of the Royal Society B Biological Sciences.

Muehlenbein MP, Nunn C. Relationships between testosterone and intestinal parasite infection using data from the International Species Information System for the Primate Order. Intended for the International Journal of Primatology.

Muehlenbein MP, Nunn C. Coloration and intestinal parasite infection in the Primate Order. Intended for Integrative and Comparative Biology.

Bhasin S, Muehlenbein MP. Effects of androgen supplementation on immune parameters

in elderly and HIV-infected men. Intended for the Journal of Clinical Endocrinology and Metabolism.

Human Evolution

2015

Edited volume: Muehlenbein MP (ed). Basics in Human Evolution. Elsevier. (39 chapters, 47 authors, 88 peer reviews organized)

2010

Edited volume: Muehlenbein MP (ed). Human Evolutionary Biology. Cambridge University Press. (34 chapters, 41 authors, 107 peer reviews organized)

Other

2018 ^ Muehlenbein MP. www.biologicalanthropology.org
^ Muehlenbein MP, Powell E. www.baylor.edu/anthropology/

2010

Muehlenbein MP. A primer on human subjects applications and informed consents. In: Muehlenbein, ed. Human Evolutionary Biology. Cambridge University Press, p. 150-153.
^ Muehlenbein MP. Global Health contact list, Indiana Clinical and Translational Sciences Institute, (published on www.biologicalanthropology.org).
^ Muehlenbein MP. Bioanthropology pamphlet. Department of Anthropology, Indiana University.

2007

^ Muehlenbein MP, Prall SP*. www.biologicalanthropology.org.

2004

^ Muehlenbein MP. www.uwm.edu/~mpm1/ (site now disabled)

2003

Svec F, Muehlenbein MP, Porter J. The effects of phenylpropanolamine on Zucker rats selected for fat food preference. Nutritional Neuroscience 6:93-102.

Published Abstracts (peer-reviewed; N = 45)

2018

Muehlenbein MP, Shattuck ES, Sparks CS. Lower testosterone levels are associated with higher risk of death in men: Evidence from the National Health and Nutritional Examination Survey. American Journal of Physical Anthropology 165(S66):183-184

2017

Muehlenbein MP, Prall SP, Shattuck ES, Sparks CS, Baker KC. Is primate sexual coloration an accurate indicator of immune functions? American Journal of Physical Anthropology 162(S64):294

Shattuck ES, Muehlenbein. Human sickness behavior not expressed in response to the rabies vaccine. American Journal of Physical Anthropology 162(S64):356

2016

Gallaher CA, Dore KM, Muehlenbein MP. Tourist attitudes and practices regarding contact with primates in the Caribbean. International One Health Congress and the International Association for Ecology and Health. December 3-7, Melbourne, Australia.

Muehlenbein MP. The intersection of One Health and Travel Medicine in South Africa. South African Society of Travel Medicine. September 12-18, Port Elizabeth, South Africa.

Muehlenbein MP. Primates, pathogens, and biophilia. International Society for Anthrozoology. July 7-10, Barcelona, Spain.

2015

Georgiev AV, Muehlenbein MP, Prall SP, Emery Thompson M, Maestripieri D. Innate immune function and oxidative stress as measures of male quality in Cayo Santiago rhesus macaques. American Journal of Physical Anthropology 156(S60):143.

Muehlenbein MP. Metabolic and endocrine changes during immune activation. American Journal of Physical Anthropology 156(S60):231.

Prall SP, Muehlenbein MP. Adrenal development and androgen-immune interactions in orangutans (*Pongo pygmaeus morio*). American Journal of Physical Anthropology 156(S60):257.

2014

Prall SP*, Muehlenbein MP. The roles of dehydroepiandrosterone and testosterone in innate immunity in college-aged adults. American Journal of Human Biology 26:277-278.

2013

Muehlenbein MP. Primates and emerging infectious diseases. American Journal of Physical Anthropology 150:202.

Muehlenbein MP, Brink G, ISTM Destination Communities Support Interest Group. ISTM member survey on sustainable tourism: A preliminary report. Journal of Travel Medicine.

Becker LL*, Prall SP*, Shattuck EC*, Muehlenbein MP. The impact of testosterone fluctuations on competition in women. American Journal of Physical Anthropology 150:77.

Shattuck EC*, Kreisler R, Muehlenbein MP. Changes in mood, behavior, cortisol, and interleukin-6 in adults during immune activation: A pilot study to assess sickness behavior in humans. American Journal of Human Biology 2:274.

DeHays HN*, Muehlenbein MP (corresponding author). Monkey tourism in Japan: How travel health knowledge, attitudes and practices may influence pathogen transmission. American Journal of Physical Anthropology 150:110.

Prall SP*, Muehlenbein MP (corresponding author). Androgens and immune function in human and nonhuman primates. American Journal of Physical Anthropology 150:224.

2012

Muehlenbein MP, Bhasin S. Testosterone supplementation is associated with altered immunity in complex ways in healthy older men. American Journal of Human Biology 24:236.

Muehlenbein M, Ancrenaz M, Sakong R, Ambu L, Prall S*, Fuller G, Raghanti M. Fecal glucocorticoid responses in wild orangutans following human visitation. American Journal of Physical Anthropology 147:219.

2011

Shattuck E*, Muehlenbein MP. Viral and bacterial-induced behavioral changes in humans. NorthEastern Evolutionary Psychology Society, Binghamton, New York.

Metzler V*, Prall SP*, Muehlenbein MP (corresponding author). Quantifying the relationship between a salivary measure of functional immunity and peer ratings of physical attractiveness in young adults. Animal Behavior Society, Bloomington, Indiana.

Muehlenbein MP. The roles of immunity in human life history trade-offs and evolution. American Journal of Physical Anthropology 144(S52):220.

Prall SP*, Blanchard S*, Hurst D*, Ireland E*, Lewis C*, Martinez LA*, Rich A*, Singh E*, Taboas C*, Muehlenbein MP (corresponding author). Salivary measures of testosterone and functional innate immunity are directly associated in a sample of healthy young adults. American Journal of Physical Anthropology 144(S52):243.

Becker LL*, Brown P, Muehlenbein MP. Estradiol as a biological measure of mood and female intrasexual competition. American Journal of Physical Anthropology 144(S52):85.

Muehlenbein MP, Prall SP*, Chester E*. Development of a noninvasive salivary measure of functional immunity in humans. American Journal of Human Biology 23(2):267-268.

Becker LL*, Blanchard S*, Hurst D*, Ireland E*, Lewis C*, Martinez LA*, Rich A*, Singh E*, Taboas C*, Muehlenbein MP (corresponding author). Behavioral correlates of salivary testosterone in healthy young adults. American Journal of Human Biology 23(2):252.

Prall SP*, Muehlenbein MP (corresponding author). The ratio of salivary testosterone to dehydroepiandrosterone changes throughout recovery from respiratory tract infections in men: implications for understanding hormone-mediated immunity. American Journal of Human Biology 23(2):272.

2010

Muehlenbein MP. Do the benefits of primate tourism outweigh the costs of potential anthropozoonoses and stressed animals? International Primatological Society, Kyoto, Japan.

Muehlenbein MP, Martinez LA*, Lemke AA*, Ambu L, Nathan S, Alsisto S, Sakong R. Risk assessment of potential anthropozoonotic pathogen transmission from ecotourists to wildlife populations in Borneo. International Journal of Infectious Diseases 14(S1):32.021.

2009

Becker LL*, Brown P, Muehlenbein MP. Estradiol, mood and female intrasexual competition. American Journal of Human Biology 21(2):245.

Lemke AA*, Martinez LA*, Jones LT*, Becker LL*, Muehlenbein MP (corresponding author).
Measures of facial symmetry predict self-perceived attractiveness and time spent on daily beautification rituals in a sample of young women. American Journal of Human Biology 21(2):259.

Zellmer L*, Thimke E*, Muehlenbein MP (corresponding author). Hormone associations with dominance rank in a captive group of bonobos (*Pan paniscus*). American Journal of Physical Anthropology 138(S48):279.

Estrin AA*, Turner TR, Muehlenbein MP. To be gordita or not: Questioning the thrifty genotype, Mexican style. American Journal of Human Biology 21(2):253.

2008

Muehlenbein M, Bribiescas R. Gonadotropin responses to *Plasmodium vivax* infection: Proximate mechanisms of reproductive suppression during illness in Honduran men. American Journal of Human Biology 20(2):228.

Muehlenbein M. Human immune functions are energetically costly. American Journal of Physical Anthropology 135(S47):158-159.

2007

Muehlenbein M, Jordan J, Bonner J, Swartz A, Steeber D. Male physiological ecology: Adaptive variation in hormones and metabolic rate in response to immune activation. American Journal of Human Biology 19(2):268.

Martinez L*, Muehlenbein M. Reproductive strategies in captive *Hylobates* populations. American Journal of Physical Anthropology 132(S44):166.

Estrin A*, Muehlenbein M, Gray JP, Turner T. Social supportive networks and biological measures of acculturative stress in immigrant Mexican women. American Journal of Human Biology 19(2):253-254.

2004

Muehlenbein MP. The immunosomatic metabolic diversion hypothesis and testosterone correlates to intestinal parasitemia in wild male chimpanzees. American Journal of Physical Anthropology 123(S38):150.

Cogswell F, Algier J, James M, Muehlenbein M (corresponding author). Testosterone, parasitemia, and cytokine correlates during human malarial infection. American Journal of Physical Anthropology 123(S38):76.

Cogswell F, Algier J, James M, Muehlenbein M (corresponding author). Testosterone, parasitemia, and cytokine correlates during human malarial infection. American Journal of Human Biology 16(2):199.

2002

Muehlenbein MP, Campbell BC, Richards RJ, Svec F, Phillippi KM, Murchison MA, Myers L. Leptin and reproductive function in captive male macaques and baboons. American Journal of Physical Anthropology 117(S34):115-116.

2000

Muehlenbein M, Campbell B, Murchison M, Falkenstein S. Impact of seasonal breeding on the life-history changes of morphological and hormonal parameters in two species of macaques. American Journal of Physical Anthropology 111(S30):233.

Muehlenbein M, Porter J, Svec F. The effects of phenylpropanolamine (PPA) on Zucker rats selected for fat food preference. The Federation of American Societies for Experimental Biology Journal 14:A435.

1999

Muehlenbein M, Campbell B, Murchison M, Falkenstein S. Impact of seasonal breeding on the life-history changes of morphological parameters in two species of macaques. American Association for Laboratory Animal Science – Louisiana branch Newsletter 8(3):6.

Presentations

Scholarly lectures/presentations (invited)

2020

Declined: Evolutionary Medicine Symposium in honor of the retirement of Randy Nesse. Arizona State University

Traveler Exposures to Animals within the GeoSentinel Database, 2007–2018. James Steel Conference on Diseases in Nature Transmissible to Man, San Antonio, TX.

2018

Human-animal interactions: Tourist injuries in South Africa and beyond. Margaretha Isaacson Memorial Lecture, Pan African Travel Medicine Congress, South African Society of Travel Medicine, Cape Town, South Africa.

Nature-based tourism and risks of zoonotic disease. James Steel Conference on Diseases in Nature Transmissible to Man, Houston, TX.

2017

Hormones and health in evolutionary and ecological perspective. Department of Anthropology, Baylor University.

2016

The intersection of One Health and Travel Medicine in South Africa. South African Society of Travel Medicine, Port Elizabeth, South Africa.

Health in evolutionary perspective. Texas Biomedical Research Institute, San Antonio.

Primates and emerging infectious diseases: The intersection of One Health and Travel Medicine. South Texas Center for Emerging Infectious Diseases, UTSA.

Health in evolutionary perspective. Department of Anthropology, University of Nevada, Las Vegas.

2015

Health in evolutionary perspective. Department of Anthropology, Baylor University, Texas.

Survey on evolution in health education. International Society for Evolution, Medicine, and Public Health, Tempe, Arizona.

Hormones and immunity in ecological and evolutionary perspectives. Department of Anthropology, University of Texas at Austin.

Hormones and immunity in ecological and evolutionary perspectives. Department of Anthropology, University of Texas at San Antonio.

Hormones, health, and life histories. Department of Biological Sciences, Eastern Illinois University, Charleston, Illinois.

2014

Evolutionary endocrinology. Department of Evolutionary Anthropology, Duke University, Durham, North Carolina.

Primate tourism. Department of Evolutionary Anthropology, Duke University, Durham, North Carolina.

Statistical considerations in primate parasitology. University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic.

A history of primate parasitology. University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic.

2013

Primates and emerging infectious diseases. Department of Pathology, Masyrk University, Brno, Czech Republic.

Primate tourism. Department of Pathology, Masyrk University, Brno, Czech Republic.

Methodological considerations in primate endocrinology and immunology. Department of Pathology, Masyrk University, Brno, Czech Republic.

Primate evolutionary endocrinology. Department of Pathology, Masyrk University, Brno, Czech Republic.

An evolutionary perspective on clinical endocrinology and immunology. Department of Biology, Indiana State University.

An evolutionary anthropological perspective on clinical endocrinology and immunology. Department of Anthropology, Stanford University.

Primates and emerging infectious diseases. Symposium on "Infectious disease in humans and other primates: Origins, dynamics, and evolution." 82nd annual meeting of the American Association of Physical Anthropologists. Knoxville, Tennessee.

(with Hidemi DeHays) Monkey tourism in Japan: How travel health knowledge, attitudes and practices may influence pathogen transmission. Symposium on "Nonhuman primates in human-modified habitats: Explorations in ethnoprimatology." 82nd annual meeting of the American Association of Physical Anthropologists. Knoxville, Tennessee.

(with Sean Prall) Androgens and immune function in human and nonhuman primates. Symposium on "The high price of success: Costs of reproductive effort in male primates and humans." 82nd annual meeting of the American Association of Physical Anthropologists. Knoxville, Tennessee.

2012

Ecotourism. Symposium on "How not to MES it up: Sex Tourism, Medical Tourism and Eco Tourism." 9th Asia Pacific Travel Health Conference, Singapore.

2011

The Primate Tourism Alliance. Primate Research Institute, Kyoto University, Japan.

On hormones and infectious diseases. Department of Biological Anthropology, University of Cambridge, United Kingdom.

On hormones and infectious diseases. Department of Anthropology, Durham University, United Kingdom.

The roles of immunity in human life history trade-offs and evolution. Session on "Evolution and Health Over the Life Course," American Association of Physical Anthropologists, Minneapolis, Minnesota.

(with Marc Ancrenaz) Fecal cortisol levels in orangutans: Monitoring animal stress responses to tourism activities. Zoos & Aquariums: Committing to Conservation, Seattle, Washington.

The public health imperative. Session on "Repositioning Public Park and Recreation Agencies as Catalysts for Healthy People." Indiana Park and Recreation Association.

2010

Assessing relationships between health, diet and physical activity in youth. World Leisure Organization, ChunCheon, South Korea.

2009

Vaccination and health status of foreign travelers, and the roles of travel medicine specialists. Great Ape Health Workshop, Entebbe, Uganda.

(with Marc Ancrenaz) Primate ecotourism in Asia: Rules and regulations. Great Ape Health Workshop, Entebbe, Uganda.

Tourism and emerging infectious diseases. Department of Geography, colloquium series, Indiana University.

2008

Testosterone-mediated trade-offs. Center for the Integrative Study of Animal Behavior, Common Themes in Reproductive Diversity annual review, Indiana University.

From hormones to emerging infectious diseases: New directions in bioanthropology. Departments of Biology and Medical Sciences, Indiana University.

Responsible ecosystem health monitoring in wildlife tourism areas. Lok Kawi Wildlife Park, Sabah Wildlife Department, Malaysia.

2007

Testosterone and infectious disease: Insights into male physiological ecology. Department of Anthropology, University of New Mexico, Albuquerque.

Testosterone and infectious disease: Insights into male physiological ecology. Department of Anthropology, University of Missouri-Columbia.

2006

Adaptive physiological variation in endocrine and metabolic functions in men following immune activation. International Union for the Scientific Study of Population. Seminar on the "Ecology of the Male Life Course." Marburg, Germany.

Testosterone and infectious disease: Insights into male physiological ecology. Department of Anthropology, University of Massachusetts, Amherst.

Testosterone and infectious disease: Insights into male physiological ecology. Department of Anthropology, Indiana University, Bloomington.

The Sabah ecosystem health project. Sabah Wildlife Department and Ministry of Health, Malaysia.

2005

Immune function and male energetic trade-offs. Symposium on "Life History, Energetics,

and Human Evolution." 10th Congress of the European Society for Evolutionary Biology. Krakow, Poland.

Hormones and immune factors in human and non-human primate research. Behavior Interdisciplinary Series, Department of Psychology, University of Wisconsin-Madison.

2004

Parasitological surveys of wild primate populations: Field, laboratory and other important methodological considerations. 1st Congress on "Diseases in Great Apes," Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Life history theory, testosterone, and immune function. Department of Endocrinology and Metabolism, Charles Drew University of Medicine and Science, Los Angeles.

Life history theory, testosterone, and immune function. Department of Anthropology, Yale University.

Life history theory, testosterone, and immune function. Department of Anthropology, University of Wisconsin-Milwaukee.

Life history theory, testosterone, and immune function. Department of Anthropology, State University of New York at Albany.

Other papers presented at professional meetings *(abstracts not published)*

2020

Nowak T*, Muehlenbein MP. Effect of exogenous estrogens on female immunity: A systematic review and meta-analysis of randomized, interventional studies. European Human Behavior and Evolution Association, Krakow, Poland.

2019

Nowak T*, Muehlenbein MP. Effect of exogenous estrogens on female immunity: A systematic review and meta-analysis of randomized, interventional studies. Texas Association of Biological Anthropologists, Waco, TX.

2018

Paredes D*, Fleuriet KJ, Halvaksz J, Muehlenbein MP. Human and non-human primate interactions in urban zoos of South Texas. American Anthropological Association, San Jose, CA.

2010

Stringfield S*, Becker LL*, Muehlenbein MP (corresponding author). The relationship between estradiol and stress, positive and negative affect, sex role, and self-esteem in men and women. Research Experience for Undergraduates in Animal Behavior, Indiana University, Bloomington, Indiana, July 24.

Ross C, Kim K, Muehlenbein M, Compton DM, McDevitt P, Penbrooke T. Building healthy communities: GRASP and STELLA technology. World Leisure Congress, ChunCheon, South Korea, Aug 28-Sept 2.

Kim K, Compton D, Muehlenbein M, Ona F, Ross C. Systems modeling for management of healthy community factors. World Leisure Congress, ChunCheon, South Korea, Aug 28-Sept 2.

Ross C, Penbrooke T, Kim K, Muehlenbein M, McDevitt P, Compton D. Healthy

community surveillance and management: A framework for parks and recreation agencies. World Leisure Congress, ChunCheon, South Korea, Aug 28-Sept 2.

2009

Miller A, Rucas S, Muehlenbein M. Risky behavior and sleep among firefighters. Human Behavior and Evolution Society, Fullerton, California.

Rucas S, Miller A, Muehlenbein M. The effects of dreaming on risk and safety among Cal Fire firefighters. Society for Applied Anthropology, Santa Fe, New Mexico, March 17-21.

Miller A, Rucas S, Muehlenbein M. Firefighter ecology and risky behaviors. Society for Applied Anthropology, Santa Fe, New Mexico, March 17-21.

2008

Murphy R, Rucas S, Miller A, Roa A, Muehlenbein M. The effects of sleep quality on health outcomes among firefighters. American Anthropological Association, San Francisco.

Rucas S, Miller A, Murphy R, Roa A, Muehlenbein M. The relationship of REM sleep and ecological risk among firefighters. American Anthropological Association, San Francisco.

Miller A, Rucas S, Murphy R, Roa A, Muehlenbein M. Sleep, risk and reproduction: The behavioral ecology of firefighters. American Anthropological Association, San Francisco.

Ancrenaz M, Muehlenbein MP. Current regulations and future recommendations for great ape tourism. International EcoHealth Forum, Merida, Mexico.

Muehlenbein MP, Martinez LA*, Lemke AA*, Andau P, Ambu L, Nathan S, Alsisto S, Sakong R. Surveys of ecotourist health and vaccination status reveal significant risks of anthropozoonoses. International EcoHealth Forum, Merida, Mexico.

2007

Thimke E*, Muehlenbein M. Biological markers of stress in graduate students. Central States Anthropological Society.

2006

Muehlenbein MP. The Sabah ecosystem health project. EcoHealth ONE: Forging Collaboration Between Ecology and Health. 1st biennial conference of the International EcoHealth Association. Madison, Wisconsin.

2003

Muehlenbein MP. The immunosomatic metabolic diversion hypothesis. New England Biological Anthropology Symposium, Harvard University, Cambridge, MA.

2000

Phillippi-Falkenstein K, Blanchard J, Muehlenbein MP. Risk factors for death due to amyloidosis in rhesus macaques. American Association for Laboratory Animal Scientists, Shreveport, LA.

Phillippi-Falkenstein K, Blanchard J, Muehlenbein MP. Risk factors for death due to amyloidosis in rhesus macaques. Health Research Day, Tulane University, New Orleans, LA.

Muehlenbein M, Campbell B, Murchison M, Falkenstein S. Impact of seasonal breeding on the life-history changes of morphological parameters in two species of macaques. Health Research Day, Tulane University, New Orleans, LA.

Muehlenbein MP. The effects of pharmaceutical agents on the fat preference of Zucker rats. 12th Annual Neuroscience Center Retreat, Louisiana State University Health Sciences Center, New Orleans, LA.

Service presentations

2020

Sick of COVID? Baylor Global Health Series.

2019

Hormones and health in ecological and evolutionary perspective. Department of Biology research seminar series, Baylor University.

Biophilia: On wildlife, travel, and disease. Department of Psychology and Neuroscience research seminar series, Baylor University.

2013

Human evolution and disease. Origins Symposium: The Evolution of the Universe, the Earth, Life, and the Human Species, Indiana University.

Primate behavior. Workshop on “Fossils, Bones and Primates: Enriching High School Teaching,” Education Committee of the American Association of Physical Anthropologists, Knoxville, TN.

2011

Global health. GlobeMed Student Association, Indiana University.

Hormones and infectious diseases. Brown Bag series, Human Biology Program, Indiana University.

2009

Global health. International Studies Student Association, Indiana University.

Evolutionary biology of attraction. Presentation for the Darwin, the Arts, and the Aesthetics of the Ordinary workshop, Liz Lerman Dance Exchange Residency, Indiana University.

2008

Roundtable discussion leader on immune function and biomarkers. Graduate student reception, Human Biology Association, Columbus, OH.

2007

Ecotourists and orangutan health. Public lecture at the Sepilok Orangutan Rehabilitation Centre, Sandakan, Sabah, Malaysia.

Keynote speaker: An introduction to evolutionary medicine. 2007. “Darwin Day,” University of Wisconsin-Madison.

2006

The science of conservation medicine. Public lecture at the Sepilok Orangutan Rehabilitation Centre, Sandakan, Sabah, Malaysia.

2005

New methods in field epidemiology: Endocrinology and parasitology. Public lecture at the Kinabatangan Orangutan Conservation Project, Sandakan, Sabah, Malaysia.

Class guest lectures

2020

Emerging infectious diseases, two part lecture/discussion. Biology of Global Health class, Department of Biology, Baylor.

2019

Emerging infectious diseases, two part lecture/discussion. Biology of Global Health class, Department of Biology, Baylor.

2016

Guest discussion in 5583 Teaching Anthropology, Department of Anthropology, UTSA.

2015

Hormones and behavior. Guest lecture in 6903 Anthropology of Gender, Department of Anthropology, UTSA.

Global health. Guest lecture in I100 Introduction to International Studies, Program in International Studies, Indiana University.

2014

Evolution and medicine. Guest lecture in A107 Becoming Human, Department of Anthropology, Indiana University.

Primate tourism. Guest lecture in B348 Evolution of Primate Social Behavior, Department of Anthropology, Indiana University.

2012

Life history evolution. Guest lecture in B200 Introduction to Bioanthropology, Department of Anthropology, Indiana University.

Evolution of behavior. Guest lecture in B500 Evolutionary Theory, Department of Anthropology, Indiana University.

Global health. Guest lecture in I100 Introduction to International Studies, Program in International Studies, Indiana University.

Zoonoses and anthropozoonoses. Guest lecture in E105 People and Animals, Department of Anthropology, Indiana University.

2011

Global health. Guest lecture in I100 Introduction to International Studies, Program in International Studies, Indiana University.

An introduction to emerging infectious diseases II. Guest lecture in I202 Global Health, Program in International Studies, Indiana University.

An introduction to emerging infectious diseases I. Guest lecture in I202 Global Health,

Program in International Studies, Indiana University.
Global health. Guest lecture in I100 Introduction to International Studies, Program in International Studies, Indiana University.
Assessing immune function. Guest lecture and lab experiments in A501 Techniques in Reproductive Diversity, Department of Biology, Indiana University.
Global health. Guest lecture in E105 Culture and Society, Department of Anthropology, Indiana University.

2010

Co-evolution: Infectious diseases. Guest lecture in B500 Evolutionary Theory, Department of Anthropology, Indiana University.
An introduction to emerging infectious diseases. Guest lecture in I100 Introduction to International Studies, Program in International Studies, Indiana University.
The science behind digit ratios. Guest lecture in B301 Laboratory in Bioanthropology, Department of Anthropology, Indiana University.
An introduction to emerging infectious diseases. Guest lecture in I100 Introduction to International Studies, Program in International Studies, Indiana University.
An introduction to emerging infectious diseases II. Guest lecture in I202 Global Health, Program in International Studies, Indiana University.
An introduction to emerging infectious diseases I. Guest lecture in I202 Global Health, Program in International Studies, Indiana University.
Pandemic diseases. Guest lecture in I100 Introduction to International Studies, Program in International Studies, Indiana University.
Biodiversity and health. Guest lecture in I202 Health, Environment and Development, Program in International Studies, Indiana University.
Zoonoses and anthropozoonoses. Guest lecture in E105 Darwinian Medicine, Department of Anthropology, Indiana University.

2009

Evolution of behavior. Guest lecture in B500 Evolutionary Theory, Department of Anthropology, Indiana University.
Zoonoses and anthropozoonoses. Guest lecture in E105 People and Animals, Department of Anthropology, Indiana University.
Pandemic diseases. Guest lecture in I100 Introduction to International Studies, Program in International Studies, Indiana University.

2008

Pandemic diseases. Guest lecture in I100 Introduction to International Studies, Program in International Studies, Indiana University.

International Field Experience (117 weeks spent abroad to date for research)

2019

Galapagos and Quito, Ecuador: set up collaboration with Universidad de San Francisco Quito for future student exchange. One site visit, one week total.
Chiang Mai, Thailand: survey of travel health knowledge, attitudes and practices in tourists. One site visit, five weeks total. Lead 12 students on One Health field course.

2018

Guatemala City, Guatemala: evaluation of potential collaboration with Compassion International. One site visit, one week total.

Chiang Mai, Thailand: survey of travel health knowledge, attitudes and practices in tourists. Two site visits, six weeks total. Lead 10 students on One Health field course.

Gibraltar, UK Foreign Territory: survey of travel health knowledge, attitudes and practices in tourists. One site visit, four weeks total. Collaboration with Eric Shaw (Helping Hand and Gibraltar Ornithological and Natural History Society). Support and train two student researchers.

2017

Guadalajara, Mexico and Brownsville, Texas: survey about knowledge, attitudes, and practices regarding Zika virus disease prevention. One site visit, eight weeks total. Collaboration with Jill Fleuriet. Support and train fourteen student researchers.

Gibraltar, UK Foreign Territory: survey of travel health knowledge, attitudes and practices in tourists. One site visit, three weeks total. Collaboration with Eric Shaw (Helping Hand and Gibraltar Ornithological and Natural History Society). Support and train two student researchers.

2016

Guadalajara, Mexico: set up project on visitor conservation awareness at Zoologica Guadalajara and future fieldschool involving Universidad Cuauhtemoc, Secretaria de Medio Ambiente y Recursos Naturales, Zoologica Guadalajara, and Universidad de Guadalajara. Two site visits, two weeks total. Collaboration with Jill Fleuriet, Tzintli Meraz Medina, and Andres Gonzalez.

2015-2016

South Friars Bay and Turtle Bay, St. Kitts: survey of travel health knowledge, attitudes and practices in cruise ship passengers. Two site visits, four weeks total. Collaboration with Kerry Dore (Marist College) and Christa Gallagher (Ross University School of Veterinary Medicine). Support and train twelve student researchers.

2015

Bermudian Landing, Belize: set up Primate Tourism Alliance project at the Community Baboon Sanctuary. One site visit, one week total. Support and train one student researcher.

2015

Zimbabwe (Victoria Falls), Botswana (Kasane), Rwanda (Ruhengeri and Kigali): set up Primate Tourism Alliance project at various locations (particularly Virgunga Mountains). One site visit, three weeks. Collaboration with Gorilla Doctors.

2015

Johannesburg, Plettenberg Bay, Cape Town, South Africa: lead 20 students on a One Health field course. Four weeks.

2013-2016

Plettenberg Bay, South Africa: survey of travel health knowledge, attitudes and practices

at Monkeyland Primate Sanctuary. Three site visits, eleven weeks total. Support and train four student researchers.

2012

Beppu, Japan: survey of travel health knowledge, attitudes and practices at the Takasakiyama Natural Zoological Park. One site visit, three weeks total. Support and train one student researcher.

2011

Yamanouchi, Kyoto and Beppu, Japan: establishment of field sites for Primate Tourism Alliance project to assess likelihood of disease transmission associated with tourist-macaque contact at Jigokudani, Arashiyama and Takasakiyama. One site visit, two weeks total.

Bali, Indonesia: establishment of field sites for Primate Tourism Alliance project to assess likelihood of disease transmission associated with tourist-macaque contact in Ubud Monkey Forest, Sangeh and Uluwatu. One site visit, one week total.

Sepilok Orangutan Rehabilitation Centre, Sabah, Malaysia (Island of Borneo): assistance to Sabah Wildlife Department to sample orangutans and macaques and assess prevalence of malaria, respiratory viruses, retroviruses and enteroviruses. Two site visits, five weeks total. Support and train four student researchers.

2009

Constanza, Dominican Republic: health assessment of local populations and foreign visitors to determine feasibility of ecotourism development (with Dr. David Compton, Department of Parks, Recreation and Tourism Studies, Indiana University). One site visit, two weeks total.

2008

Bwa Mawego, Dominica: analyses of male social endocrinology and childhood determinants of adult testosterone levels (with Dr. Mark Flinn, University of Missouri). One site visit, two weeks total.

2007-2009

Sepilok Orangutan Rehabilitation Centre, Sabah, Malaysia (Island of Borneo): analyses of risks of pathogen transmission between tourists and wildlife. Three site visits, ten weeks total. Support and train two student researchers.

Lower Kinabatangan Wildlife Sanctuary, Sabah, Malaysia (Island of Borneo): analyses of fecal cortisol levels in wild orangutans in response to tourism visitations (with Dr. Marc Ancrenaz, Kinabatangan Orangutan Conservation Project). Three site visits, ten weeks total.

2004-2006

Lower Kinabatangan Wildlife Sanctuary, Sabah, Malaysia (Island of Borneo): analyses of gastrointestinal parasite infection in wild orangutans, macaques and proboscis monkeys (with Dr. Marc Ancrenaz, Kinabatangan Orangutan Conservation Project). Three site visits, twelve weeks total.

2002

Ngogo camp, Kibale National Park, Uganda: analyses of endocrine correlates with gastrointestinal parasite infection and dominance rank in wild male chimpanzees. One site visit, twelve weeks total.

2001-2002

Tocoa Hospital, Honduras: analyses of immune-endocrine interactions in men and women naturally infected with *Plasmodium vivax*. Two site visits, twelve weeks total.

Domestic Field Experience

2020-

Waco, Texas: Waco COVID Survey: assessment of antibody status in 500 families for the SARS-CoV-2 virus over four months, investigating risk factors and health outcomes. Eight months total.

2010-2011

Bloomington, Indiana: assessment of relationships between endocrine function, diet, activity, sexual behaviors, positive/negative affect, stress, competitive behaviors, facial indicators of attraction, and immune functions in young adults. Six months total.

2010

Bloomington, Indiana: assessment of relationships between physical/psychological health, activity levels, and diet in youth (with Dr. David Compton, Department of Recreation, Park and Tourism Studies, Indiana University). Three months total.

2006-2007

Milwaukee, Wisconsin: analyses of metabolic changes and immune-endocrine interactions in male college students either receiving vaccinations or treatment for upper respiratory tract infection. Nine months total.

2006

Milwaukee County Zoo, Wisconsin: analyses of bonobo behavioral endocrinology. Three months total.

2003

United States Army Medical Research Institute of Infectious Diseases, Ft. Detrick, Maryland: analyses of immune-endocrine interactions in captive longtailed macaques infected with Venezuelan Equine Encephalitis (with Dr. George Ludwig, USAMRIID Diagnostic Systems Division). Six months total.

1998-2000

Tulane National Primate Research Center, Louisiana: analyses of comparative developmental endocrinology of captive male macaques and baboons. Eighteen months total.

Laboratory Experience

2020-

Baylor University: determination of SARS-CoV-2 IgG antibodies in over 1500 samples for the Waco COVID Survey. Collaboration with Erich Baker (Baylor) and Sally Weaver (Family Health Center). Eight months total.

2020

Baylor University: serum assays for hormones, markers of immunity, inflammation, and oxidative stress in ultra-endurance athletes. Collaboration with Jay Stock (Western Ontario) and Danny Longman (Cambridge). Six months total.

2019

Baylor University: salivary assays of testosterone and cortisol in Korean families experiencing sequestration during parturition and early parenthood. Collaboration with Mark Flinn (Baylor). Two months total.

2018-2019

Baylor University: assays for salivary markers of immunity in people being tattooed. Collaboration with Christopher Lynn (Alabama). Six months total.

2015-2017

University of Texas at San Antonio: immune and endocrine assays for collaborations with Danny Longman (Cambridge). Six months total.

2010-2015

Indiana University, Department of Anthropology, Evolutionary Physiology and Ecology Laboratory: development of salivary- and urinary-based bactericidal assays for measuring innate immune responses in humans. Six months total.

Indiana University, Department of Anthropology, Evolutionary Physiology and Ecology Laboratory: product evaluation for separation, cryopreservation and proliferation of human peripheral blood mononuclear cells. Six months total.

2009-2011

Duke University, Department of Human Evolutionary Biology: phylogenetic analyses of endocrine-immune correlates in the Primate order (with Dr. Charlie Nunn). Two months total.

2008-2012

University of Missouri, Columbia, Department of Anthropology: analyses of endocrinological correlates of child development in Dominica (with Dr. Mark Flinn). 6 months total.

2008

California Polytechnic State University, Department of Anthropology: analyses of endocrinological correlates with sleep deprivation and stress in firefighters (with Dr. Stacey Rucas). Two months total.

2007-2009

Indiana University, Department of Anthropology: planning, constructing and equipping the Evolutionary Physiology and Ecology Laboratory. Twenty months total.

2005

Charles Drew Medical Center, Department of Endocrinology and Metabolism, Los Angeles, California: analyses of the effects of androgen supplementation on leukocyte density and distribution in elderly men (with Dr. Shalender Bhasin). Three months total.

2004

Max Planck Institute for Evolutionary Anthropology, Great Ape Health Monitoring Unit, Leipzig, Germany: parasitological consultant. Two months total.

2000-2002

Yale University, Reproductive Ecology Laboratory (with Dr. Richard Bribiescas), Department of Anthropology, Connecticut: graduate research assistant. 18 months total.

2001

Yale University, Department of Anthropology, Connecticut: analyses of gastrointestinal parasite infection in wild *Propithecus verreauxi* of Beza Mahafaly, Madagascar (with Dr. Allison Richard). Four months total.

1999-2000

Louisiana State University Health Sciences Center, Department of Medicine, Section of Endocrinology (with Dr. Frank Svec), and the Department of Physiology, Obesity Research Program (with Dr. John Porter): analyses of the effects of dehydroepiandrosterone, phenylpropanolamine and fenfluramine on altering monoamine levels and diet preference in Zucker rats. Fourteen months total.

Tulane National Primate Research Center, Parasitology Service Laboratory, Department of Bacteriology and Parasitology, Louisiana: analyses of gastrointestinal parasite infection in captive macaques and baboons (with Dr. Frank Cogswell). Seven months total.

1999

Washington University-St. Louis, Department of Anthropology, Missouri: analyses of gastrointestinal parasite infection in wild baboon and vervet populations of Ethiopia (with Dr. Jane Phillips-Conroy). Three months total.

Tulane University, Department of Epidemiology, Louisiana: epidemiological survey of *Toxoplasma* infection in Panamanian children (with Dr. Gina Etheredge). Three months total.

1997

Loyola University Medical Center, Department of Preventive Medicine and Epidemiology, Illinois: investigation of risk factors for diabetes mellitus and left ventricular hypertrophy in an African American Community (with Dr. Amy Lucas). Three months total.

Teaching

Course development (those which I developed; not reflective of everything taught)

One Health (Baylor University ANT 4373): One Health represents the concept that the health of humans, wildlife, domestic animals, and ecosystems are all codependent upon one another. The general framework is based on the concept of consilience, or the convergence of evidence, in this case the collaborative efforts of physicians, public health professionals, veterinarians, social scientists, and others. This transdisciplinary science, sometimes referred to as "ecosystem health" (or EcoHealth), implies an inclusive study of the broad determinants and indicators of health across species and biomes, which is particularly relevant in the current Anthropocene epoch in which humans are modifying the global environment in complex and accelerated ways. The application of this approach to the explicit management/maintenance of protected species and habitats, particularly in the face of global environmental change, and with an understanding of the role of biodiversity in maintaining ecosystem health, has been referred to as "conservation medicine." Whatever term people choose to use, it is clear that connections among all species are complex, and understanding the health outcomes of these connections will continue to be hindered by a traditional, compartmentalized approach to health-related research and practices. Understanding infectious disease exchange at the interface of human, wildlife, and livestock populations, and the varying ecological and cultural contexts in which this takes place, represents a major challenge requiring committed collaborations that also transcend international borders. To this end, students will be trained on the fundamental topics and methods within One Health, ultimately to understand the complexities involved in global disease prevention and control.

- Refocus on COVID-19 (cross-listing with Biology 3300) with additional online content for Spring 2021

Evolutionary Medicine (Baylor University ANT 4371; Indiana University B400/600, B312/512, E105 [freshman]; University of Wisconsin-Milwaukee 406: Evolutionary Biology and Human Diseases): This course incorporates principles from evolutionary theory into our understanding of various infectious and chronic diseases common to human populations both past and present. Foci include the basic evolution theory, adaptationism, host-pathogen co-evolution, the evolutionary history of various pathogens, aging and senescence, and the evolution of pathogen virulence. Although proximate mechanisms involving physiology are discussed, the focus is to determine why such mechanisms have evolved in the first place. Readings are selected to reflect the general interests of natural and social scientists alike. By the end of the course, students are able to demonstrate knowledge about how evolutionary research helps shed new light on medical research and practices.

- Online delivery was developed in Fall 2020

Health, Environment and Development ("Global Health;" Indiana University I202): This core course for the global environment thematic concentration of the International Studies major reviews human-environment interactions from a global perspective, focusing specifically on how global change can alter human susceptibility to disease. Discussions are focused on the general population and environmental changes that contribute to health deficiencies at the regional and global levels. Specific population changes discussed include: general population growth; transportation of people and products; urbanization and lack of sanitation; contact with wildlife (expansion into new areas, ecotourism, and bushmeat); war and social disruption; and public health deficiencies. Specific ecological changes discussed include: changes in land use (irrigation, deforestation, and fragmentation); reduced biodiversity (altered host-parasite dynamics); pollution; natural disasters; and climate change (altered habitats of disease vectors). Readings are selected

to reflect the general interests of natural and social scientists alike. By the end of the course, students are able to demonstrate knowledge (through written and oral presentation) of human-environment interactions and the various environmental risk factors associated with the emergence of infectious and chronic diseases as well as an understanding of how environmental and health sciences inform international and global policies.

Primate Socioecology and Behavioral Evolution (Indiana University A501): This course provides an advanced review and analysis of the evolution of nonhuman primate behaviors. Why and how do nonhuman primate behaviors differ among species, between primates and other species, and between nonhuman primates and humans? What are some commonalities across these species, and what evolutionary and ecological principles can explain variation in behaviors among nonhuman primate taxa? By the end of this course, students are able to demonstrate knowledge of primate socioecology and behavioral evolution through effective communication (via written and oral presentation to others). The format of this course is very different from others offered. Discussions are student led, with the exception of 7 different internationally recognized primatologists who visit with the students, lead discussions themselves and conduct public lectures.

Human Variation (Indiana University B370; University of Wisconsin-Milwaukee 404: Human Evolutionary Physiology; UTSA 3333: Human Adaptability): This course examines physiological variation within and between human populations in reference to ecological and evolutionary principles such as adaptation and evolution by natural selection. The course provides introductions to life history theory and reproductive ecology, which allow us to critically analyze the genetic and environmental sources of physiological variation in contemporary human populations. Although the foci of this course are based on evolutionary biology, readings are selected to reflect the general interests of natural and social scientists alike. By the end of this course, students are able to 1) demonstrate basic knowledge of genotypic and phenotypic variation in extant human populations, and 2) effectively communicate to others (via written and oral presentation) various aspects of human adaptability to environmental stimuli, including climate, mates, and diseases.

Human Evolutionary Biology Laboratory (Indiana University B527): This practical course provides students with experience conducting actual research in human evolutionary biology. Students work together in small groups (2 projects; 5 people per project) to collect data on living humans, perform laboratory analyses, statistical analyses and manuscript preparation and presentation. The projects have been previously designed by Michael Muehlenbein and approved by the Indiana University Human Subjects Committee specifically for this course. The primary outcome is a manuscript for group publication in a peer-reviewed journal. Students gain experience with scientific methodology, hypothesis generation and study design, human subjects committees, biosafety and bioethics, biological sample collection, assays for hormones, immune factors and other biomarkers, survey design, and statistical analyses. By the end of the course, students are able to demonstrate knowledge (through written and oral presentation) of the methods involved in data collection and analysis in human evolutionary biology.

Hormones and Human Behavior (Indiana University B400/600, Indiana University B340/540, Indiana University A501, University of Wisconsin-Milwaukee 408): This course reviews the roles of hormones in the evolution and expression of animal behavior, particularly that of humans. Emphasis is placed on behaviors associated with aggression, stress, mating, and parenting. The format for the course includes lectures, group discussions, student presentations and expert guest

speakers. Although the foci of this course are based on evolutionary and organismal biology, readings are selected to reflect the general interests of natural and social scientists alike. By the end of this course, students are able to 1) demonstrate knowledge of basic endocrine physiology, including functions of the endocrine system and the various types of hormones, and 2) effectively communicate to others (via written and oral presentation) the regulatory effects of hormones on reproductive, affiliative and agonistic behaviors, stress responses, and health-related outcomes.

Introduction to Bioanthropology (Indiana University B200; University of Wisconsin-Milwaukee 301 [undergrad]: Human Evolution and Variation; University of Wisconsin-Milwaukee 801 [grad]: Survey of Physical Anthropology; UTSA ANT 2033: Introduction to Biological Anthropology): This course reviews the theory, mechanisms, and processes of biological evolution applied to problems of the primate and human fossil record and contemporary human populations. Topics include reviews of evolutionary theory, life history theory and genetics, non-human primate evolution, behavior and adaptations, human evolutionary history and modern human variation. By the end of this course, students are able to demonstrate knowledge of basic evolutionary theory and human and nonhuman primate evolution and variation. Belief in human evolution is not a pre-requisite for performing well in this course; understanding evolution is.

Capstone Seminar in International Studies (Indiana University I400): A required course for all graduating seniors in International Studies, this course is designed to bring to bear accumulated training in International Studies on a single original project of the student's choice, subject to the instructor's approval and under the supervision of a faculty mentor. The completed thesis should bring together their theme, region, language and overseas experience in a 10,000 word tour de force. The overall purpose of this project, and the class in general, is to train students to continue to think critically, write and present clearly, critique other work analytically (yet respectfully), and respond to criticism positively.

Research Design and Proposal Writing (UTSA 6403): This course aims to assist you in developing the skills necessary to complete a research proposal to a government granting institution. The ultimate goal is a draft of a National Science Foundation (Directorate for Social, Behavioral, and Economic Sciences, Program in Biological Anthropology) Doctoral Dissertation Research Improvement Grant application. This course does not aim directly to help you develop a research trajectory, train you in theory and methods in your sub-discipline, or provide you with a completed, successful grant application. Rather, we review the tools necessary to develop such a potential proposal, and what it takes from beginning to end of such a process. These skills include understanding how granting at the National Science Foundation and National Institutes of Health works, identifying research and publication biases, recognizing ethical issues in research, identifying good science from bad attempts at it, identifying potential granting opportunities, developing general writing and oral presentation skills, and developing peer reviewing skills, among other related topics.

Instruction history

Baylor University, Department of Anthropology

2021	Fall	5312 Laboratory Methods in Anthropological Research	(G, 8 students)
		4330 Epidemiology	(U, 17 students)
	Sum	Mentor for Ryley Bruggeman McNair Program	(U, 1 student)
		4V70 Independent study with Muiz Awan	(U, 1 student)

	Spring	4373 (BIO 3300): One Health and COVID-19	(U, 68 students)
		BIO 4V90: Tomasz Nowak Research	(G, 1 student)
		Mentor for Maleeha Khan's Honors Thesis	(U, 1 student)
		Mentor for Reid Yanney;s Honors Thesis	(U, 1 student)
2020	Fall	4371: Evolutionary Medicine, online	(U/G, 22 students)
		4371: Evolutionary Medicine, online, honors section	(U, 1 student)
		Mentor for Maleeha Khan's Honors Thesis	(U, 1 student)
		Mentor for Connor Thompson's Honors Thesis	(U, 1 student)
		Mentor for Reid Yanney;s Honors Thesis	(U, 1 student)
	Sum	Mentor for Connor Thompson's BTRUE summer program	(U, 1 student)
	Spring	Mentor for Maleeha Khan's Honors Thesis	(U, 1 student)
		Mentor for Connor Thompson's Honors Thesis	(U, 1 student)
		Mentor for Reid Yanney;s Honors Thesis	(U, 1 student)
2019	Fall	4373: One Health	(U, 19 students)
		Mentor for Sophie Brown's Thesis	(U, 1 student)
		Mentor for Maleeha Khan's Honors Thesis	(U, 1 student)
		Mentor for Connor Thompson's Honors Thesis	(U, 1 student)
		Mentor for Reid Yanney;s Honors Thesis	(U, 1 student)
		Lab rotation host for Jeanne Samake	(G, 1 student)
	Sum	4V70: One Health Study Abroad – Thailand	(U, 12 students)
	Spring	4371: Evolutionary Medicine	(U, 16 students)
		Mentor for Sarah Cruthirds' Honors Thesis	(U, 1 student)
		Mentor for Sophie Brown's Thesis	(U, 1 student)
2018	Fall	Course releases for Chair	
		Mentor for Sarah Cruthirds' Honors Thesis	(U, 1 student)
		Mentor for Sophie Brown's Thesis	(U, 1 student)
	Sum	4V70: One Health Study Abroad – Thailand	(U, 10 students)
	Spring	4371: Evolutionary Medicine	(U, 20 students)
2017	Fall	Course releases for Chair	

University of Texas at San Antonio, Department of Anthropology

2017	Sum	Health and Environment Fieldschool – Guadalajara, Mexico	(U, 14 students)
	Spr	6403: Research Design and Proposal Writing	(G, 10 students)
		Family leave	
2016	Fall	2033: Introduction to Biological Anthropology	(U, 71 students)
		3333: Human Adaptability	(U, 64 students)
	Spr	2033: Introduction to Biological Anthropology	(U, 124 students)
		2033: Introduction to Biological Anthropology	(U, 88 students)
2015	Fall	Course releases	

Indiana University, Departments of Anthropology (B, C, E and A course designations), International Studies (I course designations) and Biology (L and A course designations); G, graduate level; U undergraduate level

2015	Spr	I435: One Health: An Indiana-South Africa Service Learning Experience	(U, 18 students)
		C105: Darwinian Medicine	(U, 120 students)
		A495: Mentor for C. Friedly's independent study on evolutionary medicine	(G, 1 student)
		A495: Mentor for K. White's independent study on evolutionary medicine	(G, 1 student)
		A495: Mentor for K. Krupa's independent study on evolutionary medicine	(G, 1 student)
		A495: Mentor for J. Funk's independent study on evolutionary medicine	(U, 1 student)
2014	Fall	Family leave	
2014	Spr	B200: Introduction to Bioanthropology	(U, 210 students)
		A420: Mentor for E. Larson's undergraduate teaching assistant	(U, 1 student)
		A420: Mentor for A. Traycoff's undergraduate teaching assistant	(U, 1 student)
		A420: Mentor for A. Riley's undergraduate teaching assistant	(U, 1 student)
		I202: Global Health and Environment	(U, 42 students)

		A495: Mentor for L. Hall's independent study on primate diseases	(G, 1 student)
		I415: Mentor for C. McComb's honors capstone thesis	(U, 1 student)
		A495: Mentor for K. Krupa's independent study on travel medicine	(U, 1 student)
2013	Fall	I415: Mentor for C. McComb's honors capstone thesis	(U, 1 student)
		Sabbatical	
2013	Sum	A496: Fieldwork sponsor for Kelsey Philippi, La Suerte, Costa Rica	(U, 1 student)
2013	Spr	B200: Introduction to Bioanthropology	(U, 198 students)
		I400: Mentor for B. Donovan's Capstone Seminar in International Studies	(U, 1 student)
		A420: Mentor for K. Krupa's undergraduate teaching assistant	(U, 1 student)
		A420: Mentor for A. Reynolds' undergraduate teaching assistant	(U, 1 student)
		A495: Mentor for K. Krupa's independent study on travel medicine	(U, 1 student)
		A495: Mentor for M. Hicks' independent study on mate choice	(U, 1 student)
		A495: Mentor for K. Black's independent study on ecotourism	(U, 1 student)
2012	Fall	A501: Primate Socioecology and Behavioral Evolution	(U/G, 15 students)
		A495: Mentor for A. Davis' independent study on human variation	(G, 1 student)
		Course buy-out	
2012	Sum	L490: Mentor for K. Black's directed laboratory research	(U, 1 student)
		LSAMP: Mentor for T. O'Sullivan's independent study on primate ecotourism	(U, 1 student)
2012	Spr	B370: Human Variation	(U. 32 students)
		B370: Human Variation, intensive writing for J. Sobocinski	(U, 1 student)
		B370: Human Variation, intensive writing for K. Krupa	(U, 1 student)
		B312/512: Evolutionary Medicine	(U/G, 32 students)
		A495: Mentor for C. Taboas' independent study on diabetes	(G, 1 student)
2011	Fall	B200: Introduction to Bioanthropology	(U, 213 students)
		Course buy-out	
		A420: Mentor for A. Reynolds' undergraduate teaching assistant	(U, 1 student)
		A420: Mentor for E.C. Adams' undergraduate teaching assistant	(U, 1 student)
		A420: Mentor for A. Bareikis-Rockwell's undergraduate teaching assistant	(U, 1 student)
		A420: Mentor for A. Brittingham's undergraduate teaching assistant	(U, 1 student)
2011	Spr	B340/540: Hormones and Human Behavior	(G/U, 32 students)
		I400: Capstone seminar in International Studies	(U, 15 students)
		A495: Mentor for E. Shattuck's independent study on psychoneuroimmunology	(G, 1 student)
		A495: Mentor for S. Prall's independent study on life history evolution	(G, 1 student)
		A495: Mentor for A. Franzidis' independent study on medical tourism	(G, 1 student)
2010	Fall	A399: Mentor for J. Borniger's honors thesis	(U, 1 student)
		A399: Mentor for A. Chaudhry's honors thesis	(U, 1 student)
		Sabbatical	
2010	Sum	A495: Mentor for A. Franzidis' independent study on travel medicine	(G, 1 student)
		A495: Mentor for A. Nejad's independent study on immunological methods	(U, 1 student)
2010	Spr	B527: Human Evolutionary Biology Laboratory	(G, 10 students)
		I400: Mentor for K. Scherschel's Capstone Seminar in International Studies	(U, 1 student)
		I400: Mentor for C. Charles's Capstone Seminar in International Studies	(U, 1 student)
		A495: Mentor for S. Prall's independent study on DHEA and immune functions	(G, 1 student)
		A495: Mentor for C. Detrich's independent study on primate endocrinology	(U, 1 student)
		I415: Mentor for N. Limbeck's independent study on health and social inequalities	(U, 1 student)
2009	Fall	E105: Darwinian Medicine	(U, 100 students)
		I400: Capstone seminar in International Studies	(U, 13 students)
2009	Spr	B200: Introduction to Bioanthropology	(U, 132 students)
		B340/540 (with Animal Behavior A501): Hormones and Human Behavior	(G/U, 28 students)
		A399: Mentor for N. Livingston's honors thesis	(U, 1 student)
		I402: Mentor for A. Hesser's independent study on global health	(U, 1 student)
		L490: Mentor for J. Lawitschka's directed laboratory research	(U, 1 student)
		Mentor for E. Rynkiewicz's independent study on primate diseases	(G, 1 student)
2008	Fall	B370: Human Variation	(U, 32 students)
		I202: Health, Environment and Development	(U, 32 students)
		I400: Mentor for J. Graeser's in Capstone Seminar in International Studies	(U, 1 student)
		A495: Mentor for P. Commons' independent study on global health	(U, 1 student)
2008	Spr	B400/600 (now B312/512): Evolutionary Medicine	(G/U, 21 students)

		I202: Health, Environment and Development	(U, 36 students)
2007	Fall	B370: Human Variation	(U, 23 students)
		B400/600 (now B340/540): Hormones and Human Behavior	(G/U, 10 students)

University of Wisconsin-Milwaukee, Department of Anthropology

2007	Spr	404: Seminar in Human Evolutionary Physiology	(G/U, 25 students)
2006	Wint	301: Human Evolution and Variation	(U, 10 students)
2006	Fall	408: Hormones and Behavior	(G/U, 23 students)
		999: Mentor for A. Lemke's independent study on facial symmetry	(G, 1 student)
2006	Sum	301: Human Evolution and Variation	(U, 27 students)
2006	Spr	301: Human Evolution and Variation	(U, 73 students)
		406: Evolutionary Biology and Human Diseases	(G/U, 18 students)
		999: Mentor for E. Thimke's independent study on endocrine lab techniques	(G, 1 student)
		999: Mentor for L. Martinez's independent study on primate endocrinology	(G, 1 student)
2005	Fall	404: Seminar in Human Evolutionary Physiology	(G/U, 17 students)
		801: Survey of Physical Anthropology	(G, 30 students)
2005	Spr	301: Human Evolution and Variation	(U, 25 students)
		408: Hormones and Behavior	(G/U, 13 students)
2004	Fall	404: Seminar in Human Evolutionary Physiology	(G/U, 9 students)

*Primary instructor for **2492** students to date*

Yale University, Department of Anthropology (Teaching Fellow)

2004	Spr	242: Human Physiology and Life History	(U, 32 students)
2003	Fall	116: Introduction to Physical Anthropology	(U, 90 students)

Tulane University, Department of Tropical Medicine (Teaching Assistant)

2000	Spr	708: Parasitological Field Methods	(G, 25 students)

Associate instructor for 147 students

Professional Development Seminars

Baylor University (2017-present): Leadership Essentials, Preventing Harassment, Discrimination, and Sexual Violence for Faculty and Staff, Preventing Harassment, Discrimination, and Sexual Violence for Academic Leaders and Supervisors, TRAX Financial System – Introduction, Digital Measures, Title IX procedures, Human Resources Hiring Procedures, Purchasing Card Reviewer, Study Abroad Directors, Campus Security Authority, Affirmative Action, Protecting Children: Hiring Staff Who Work With Minors, Protecting Children: Shine A Light, Protecting Children: Identifying and Reporting Sexual Misconduct, PRESTO Lite Training I and II, PRESTO – Preparing Researchers, Educators, and Scholars for Teaching Online, iDesign Masterclass series, Instructor Training for LockDown Browser & Respondus Monitor, Race Equity Institute, Academic Leadership Training, Bearhaus Training, Slate for Beginners, Slate Review, Loving Our Neighbors, Re-thinking Mentoring, Study Abroad Directors, Graduate Program Advertising

UTSA (2015-2017): Day O.N.E., Faculty's Role in the Student Accommodation Process, Responsible Conduct of Research, Research Biological Safety and Bloodborne Pathogens, Finding Funding and Managing Funding searches, New Employee Development, Purchasing Goods and Services, Standards of Conduct Training, Procard Compliance and Processing,

Hazardous Waste Generator, Hazard Communications and Laboratory Safety, Campus Carry, Decision Desk

Indiana University (2007-2015): The First Day of Class, Understanding IU Students, The Lively Discussion, Basics of Endnote, Teaching with Adobe Connect, Library Resources Orientation, Grants Supporting Inquiry into Teaching and Learning, NSF Grants for Teaching and Learning, Can Graduate Pedagogy Classes Promote Lasting Scholarly Approaches to Classroom Teaching?, Reflective Teaching Practices

University of Wisconsin-Milwaukee (2004-2007): Overview of Research Services, Desire2Learn, UWM Libraries, Student Response Systems, How People Learn, Designing Courses and Syllabi, Grant Writing

Boy Scouts of America (2018-present): Youth Protection Program (Sexual Abuse, Bullying), Assistant Scoutmaster Training Module, Adult-Supervised Overnight Activities, Barriers to Abuse, Youth Protection Training Certification, Hazardous Weather Training

Student Supervision

Completed doctoral dissertation supervision (Indiana University)

2010-2015 Eric Shattuck, "Where hormones, health, and behavior meet: Towards a biocultural model of human sickness behavior"
2008-2014 Sean P. Prall, "Characterizing the roles of dehydroepiandrosterone in human ecological immunology"
2008-2012 Laurah B. Turner, "Diet, physical activity and breast cancer risk"
2007-2012 Lisa L. Becker, "Impact of monthly hormone fluctuations on mood, self-esteem and competition in women"

Current doctoral supervision (primary; Baylor University)

2021- Brooke Morris
2021- Teddy Thum
2020- Alexandra Henderson, "Estrogens and autoimmunity in evolutionary perspective"
2018- Tomasz Nowak, "Estrogens and immunity in evolutionary perspective"

Current doctoral dissertation committee member

2021- Liz Waymire, Baylor University (Biology; chair Tamar Carter)
2019- Jeanne Samake, Baylor University (Biology; chair Tamar Carter)
2014- Liz Hall, "Chimpanzee parasites and habitat fragmentation in West Africa," Purdue University (Anthropology; chair Melissa Remis)
2013- Colleen Friedly, "Human-monkey interactions, disease risks, and the future of primate tourism"

Completed doctoral dissertation committee member

2019-2020 Lauren Gilhooly, “Ethnoprimatology and nature-based tourism: An exploration of macaque ecology and behavior at the Spilok Oran-utan Rehabilitation Center in Sabah, Malaysia,” University of Western Ontario (Anthropology; chair Ian Colquhoun)

2016 Charity Taboas (Upson), “Peripheral neuroarthropathy in prehistoric Midwest,” Indiana University (Anthropology; chair Della Cook)

2016 Amanda Rollins, “The pathoecology of parasitism from PreClovis through Archaic in the Desert West,” Indiana University (Anthropology; chair Della Cook)

2016 Lydia Light, “Life at the extreme: The behavioral ecology of white-handed gibbons (*Hylobates lar*) living in a dry forest in Haui Kha Khaeng wildlife sanctuary, Western Thailand,” UTSA (Anthropology; chair Thad Bartlett)

2012-2014 Danny Longman, “Hominins in motion: Uphill locomotion and ultra-endurance foot racing from a life history perspective,” University of Cambridge (Biological Anthropology; chair Jay Stock)

2008-2014 Kelly Baute, “Back stability and the evolution of bipedalism,” Indiana University (Kinesiology; chair John Shea)

2008-2013 David Sampson, “Ape sleep architecture: Testing the cognitive function of sleep in Hominidae,” Indiana University (Anthropology; chair Kevin Hunt)

2008-2013 Evelyn Rynkiewicz, “Influence of host variation on pathogen and parasite prevalence and disease dynamics in free-living small mammal communities,” Indiana University (Biology; chair Keith Clay)

2009-2012 Alexia Franzidis, “A critique of NGO’s developing sustainable tourism in less developed regions,” Indiana University (Recreation, Park and Tourism Studies; chair Shu Cole)

2004-2008 Alejandra E. Estrin (Dashe), “Mujeres Mexicanas de Milwaukee: Stress and the social support of women,” University of Wisconsin-Milwaukee (Anthropology; chair Trudy Turner)

Completed masters degree (primary; Indiana University)

2013-2016 Kurt White, “Effects of androgen supplementation on immune functions in transgendered individuals: Evolutionary perspectives with practical applications”

Completed masters degree committee member

2009-2010 Amy Harris, “Testosterone and aggression in college females,” University of Indianapolis (chair John Langdon)

2005-2010 Andrea Lemke, “The associations between allomothering and oxytocin: Examining females with and without exposure to children,” University of Wisconsin-Milwaukee (chair Benjamin Campbell)

2006-2010 Laura Zellmer, “Oxytocin, vasopressin and dominance rank in a large captive group of bonobos (*Pan paniscus*),” University of Wisconsin-Milwaukee (chair Trudy Turner)

2005-2008 Michael Deeken, “Second to fourth digit ratio (2D/4D) in males with different subtypes of obsessive-compulsive disorder,” University of Wisconsin-Milwaukee (chair Patrick Grey)

2005-2007 Elisabeth Thimke (Sucharda), “Urinary testosterone and cortisol levels and rank in

male and female bonobo apes (*Pan paniscus*)," University of Wisconsin-Milwaukee (chair Trudy Turner)

Completed graduate project consultant

2011-2013 Sayuri Takeshita, "Effects of age, season and social behaviors on DHEA patterns in Japanese macaques." MS thesis. Kyoto Primate Research Institute, Japan (chair Michael Huffman)

2010-2013 Kathryn Shutt, "Monitoring disease susceptibility of gorillas and infection risk from tourists at Bai Hokou, Central African Republic." PhD dissertation. Department of Anthropology, Durham University, UK

2010-2012 Allison Hanes, "Risks of disease transmission from tourists to gorillas in Bwindi Impenetrable National Park, Uganda." MS thesis. Program in Primate Conservation, Oxford Brookes University, UK

2008-2010 Milena Selgado, "Intestinal parasites and MHC diversity in proboscis monkeys, longtailed macaques, pigtailed macaques and orangutans in the Lower Kinabatangan Wildlife Sanctuary, Sabah, Malaysia." PhD dissertation. School of Biosciences, Cardiff University, UK

2009 Milagros Gonzalez, "Gastrointestinal parasite infections in mantled howler monkeys of Southern Mexico." PhD dissertation. Instituto de Neuroetología, Universidad Veracruzana, Xalapa, Mexico

2009 Daiana Ravasi, "Gastrointestinal parasites of South African baboons." PhD dissertation. Zoology Department, University of Cape Town, South Africa

2008 Kristine Lazdane, "Endoparasite burdens and environmental conditions in collared lemurs *Eulemur collaris* living in three different sites of southeastern Madagascar." MS thesis. Program in Primate Conservation, Oxford Brookes University, UK

Undergraduate honors thesis committee member (Baylor University)

2021- Taylor Siebenman

2021- Janie Bila
Thesis: "COVID-19 Vaccination Hesitancy at Baylor University"

2021 Emma Fraley
Thesis: "Containing COVID-19: A Case Study on the Oregonian and Texan Government Responses to the Coronavirus Pandemic"

Undergraduate honors thesis advisor (Baylor University)

2019-2021 Reid Yanney
Thesis: "The Status of One Health Education Among Undergraduate Pre-Health Students"

2019-2021 Maleeha Khan
Thesis: "South Asian Physician-Patient Interaction"

2019-2020 Connor Thompson

2018-2019 Sarah Cruthirds
Thesis: "Examining concepts of womanhood and motherhood in those experiencing fertility treatment"

2018-2019 Sophie Brown
Thesis: “Lack of accessibility to healthcare for immigrant families in Central Texas”

McNair Program faculty mentor (Baylor University)

2021 Ryley Bruggeman

Undergraduate honors thesis advisor (Indiana University)

2013-2014 Caitlin McComb
Thesis: “Structural violence and multi-drug resistant tuberculosis in Peru”
2013-2014 Gretchen Zoeller (reader only)
Thesis: “Stature estimation of Morton Mound collection: Formulae based on that developed for indigenous North American populations by Auerback and Ruff (2010)”
2013-2014 Angela Traycoff (reader only)
Thesis: “Fumonisin corn mold and folic acid deficiency in Native Americans”
2009-2011 Jeremy Borniger
Thesis: “Hormones, musical aptitudes and behaviors”
*Hutton Honors College Undergraduate Summer Research Grant, 2010
**Hutton Honors College Thesis Award, 2010
2009-2011 Adeel Chaudhry
Thesis: “Associations among birth order, sibling competition and fetal testosterone levels in humans”
*Hutton Honors College Undergraduate Summer Research Grant, 2010
**Hutton Honors College Thesis Award, 2010
Science, Technology and Research Scholars (STARS) Program
2008-2009 Nancy Livingston
Thesis: “Subject participation behaviors in scientific research”
*Voeghlin undergraduate paper prize from B370 Human Variation, 2007

Undergraduate Individualized Major advisor (Indiana University)

2014-2015 Grace Douglas, Individualized Major in History of Epidemiology
2014-2015 Jessica Neisler, Individualized Major in Infectious Disease Epidemiology
2012-2015 Morgan Eldridge, Individualized Major in Evolutionary Medicine
2012-2014 Devin Jacobs, Individualized Major in Animal Behavior
2009-2011 Hidemi DeHays, Individualized Major in Evolutionary Medicine
Project: “Evolutionary medicine media module”

Undergraduate I400 Capstone mentor (Indiana University)

2013 Brent Donovan
Thesis: “Bluefin tuna, Japan, and consumer behaviors”
2012 Zachary Palmer
Thesis: “Ayahuasca use and religious tourism in Brazil”
2009-2010 Christina Charles

Thesis: “A history of deforestation in the Amazon”

2009-2010 Katherine Scherschel
Thesis: “The United Nation’s responses to the use of genetically modified organisms to fight hunger”

2008-2009 Julia Graeser
Thesis: “Brazilian AIDS policy: Protecting public health in the post-TRIPS era”

Undergraduate Research Experience, summer program in Animal Behavior (Indiana University)

2014 Marley Alford (Bard College)
Project: “Risk-taking, environmental psychology and disease risk in South Africa”

2011 Valerie Metzler (Eastern Mennonite University)
Project: “Quantifying relationships between a salivary measure of functional immunity and peer ratings of physical attractiveness”

2010 Sierra Stringfield (University of Michigan)
Project: “Relationships between estradiol and behavior in men and women”

Baylor Transdisciplinary Research Undergraduate Experience (Baylor University)

2020 Connor Thompkins

Other undergraduate laboratory involvement (Baylor University)

2019- Liana Donsbach
Project: “Tattooing and immunity in Samoa”

2019- Rebecca Modisette
Project: “Tattooing and immunity in Samoa”

2019- Muiz Awan
Project: “Tattooing and immunity in Samoa”

2019- Hannah Kang
Project: “Estrogens and immunity in evolutionary perspective”

2019- Vy Nguyen
Project: “Travel health knowledge, attitudes and practices in Gibraltar”

2019- Lohith Satish
Project: “Travel health knowledge, attitudes and practices in St. Kitts”

2019- Brooke Buchanan
Project: “Travel health knowledge, attitudes and practices in St. Kitts”

Other undergraduate laboratory involvement (Indiana University)

2014-2015 Isabel Bradley
Project: “Behavioral correlates of immune activation in veterinary students vaccinated against rabies”

2013-2015 George Armstrong
Project: “Travel health knowledge, attitudes and practices in Malaysia”

2013-2015 Michael Spors
Project: “Effects of androgen supplementation on immune function in a transitional transsexual population.”
2013-2015 Emilee Larson
Project: “Behavioral correlates of immune activation in veterinary students vaccinated against rabies”
2012-2014 Krystiana Krupa
Project: “Travel health knowledge, attitudes and practices in Malaysia”
2012-2013 Tim O’Sullivan
Diversity, Equity, and Multicultural Affairs Summer Science Research Program
Project: “Risks of anthropozoonoses at resorts in Sabah, Malaysia”
2012-2013 Kelsey Black
Project: “Risks of anthropozoonoses at resorts in Sabah, Malaysia”
2012-2013 Zoe Bilello
Project: “Behavioral correlates of immune activation in veterinary students vaccinated against rabies”
2012-2013 Viraj Maniar
Project: “Behavioral correlates of immune activation in veterinary students vaccinated against rabies”
2009-2012 Katie Byrd
Project: “Development of a lymphocyte proliferation assay”
2009-2012 Hidemi DeHays
Project: “Development of a lymphocyte proliferation assay”
2009-2011 Andrew Nejad
Project: “Development of a lymphocyte proliferation assay”
2009-2011 Tirajeh Saadatzadeh
Project: “Development of a lymphocyte proliferation assay”
2009-2010 Laurenne Young
Project: “Development of a lymphocyte proliferation assay”
2009 Julian Lawitschka
Project: “Development of a lymphocyte proliferation assay”
2008-2010 Claire Detrich
Project: “Religiosity, meditation, stress, and cortisol”

Other undergraduate laboratory involvement (UTSA)

2016-2017 Calypso Rynkowski
Project: “Antimicrobial properties of capsaicin”
2016-2017 Emily Teague
Project: “Antimicrobial properties of capsaicin”
2016-2017 Alexandra Holdbrook
Project: “Conservation opinions at the San Antonio Zoo”
2016-2017 Christian Dupuy
Project: “Conservation affect conditioning”
2016-2017 Kayla Torres, Lydia Tabish, and David Keim
General laboratory maintenance

Work-study students in laboratory (Baylor)

2021- Ryan Parker
2020-2021 Vy Nguyen
2019-2020 Rebecca Modisette
2018-2019 Samantha Heczko
2017-2018 Alyssa Martin

Work-study students in laboratory (UTSA)

2015-2017 Samantha Mendoza
2015-2017 Elisha Gray

Visiting researcher supervised in laboratory (Indiana University)

2013 Dr. Alexander Georgiev, Institute for Mind and Brain, University of Chicago

Visiting researcher supervised in laboratory (UTSA)

2016 Dr. Kerry Dore, Marist College, New York

Post-doctoral scholar (UTSA)

2016-2017 Dr. Eric Shattuck

Post-doctoral scholar (Indiana University)

2015 Dr. Krista Milich, The Kinsey Institute

Post-doctoral scholars (Baylor University)

2021- Dr. Kerri Smith
2020- Dr. Jeffery Gassen

Symposia/Conferences Organized

2021

Program chair for International Society for Evolution, Medicine and Public Health. Virtual conference.

2020

Program chair for International Society for Evolution, Medicine and Public Health, Athens, Georgia, July 15-18.

Symposium on “Human-Animal Interactions,” International Society for Evolution, Medicine and Public Health, Athens, Georgia, July 15-18.

2019

Local host and program chair for Texas Association of Biological Anthropologists, Baylor University, November 8-9.

2018

Symposium on "One Health," Pan African Travel Medicine Congress, South African Society of Travel Medicine, Cape Town, South Africa, September 12-15.

2017

Symposium on "Signals in Evolutionary and Ecological Context," American Association of Physical Anthropologists, New Orleans, LA, April 19-22.

2016

Symposium on "One Health," South African Society of Travel Medicine's biennial congress, and the 7th regional congress of the International Society of Travel Medicine, Port Elizabeth, South Africa, September 28-31.

2014

Symposium on "Primate Parasitology: Development, Methods and Future," University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic, June 12-14.

2010

Global health breakout session of the 1st annual retreat of the Indiana Clinical and Translational Sciences Institute, Bloomington, Indiana, October 18.

Symposium on "Balancing the costs and benefits of primate tourism," 23rd congress of the International Primatological Society, Kyoto, Japan, September 12-18.

2009

Liz Lerman Dance Exchange residency (co-assistant to coordinator Anya Royce), Indiana University, February 17-27.

2008

Symposium on "Ecotourism and Ecosystem Health," 2nd annual International EcoHealth Forum, Merida, Mexico, December 9-12.

2005

74th annual meeting of the American Association of Physical Anthropologists (Organizers Trudy Turner and Fred Anapol), Milwaukee, WI, April 6-9.

2002

1st annual New England Biological Anthropology Symposium (co-organizer with Hogan Sherrow and Herman Pontzer), New Haven, CT, March 2-3.

Professional Memberships

Present:

American Association of Physical Anthropologists, 2002-
Human Biology Association, 2004-
International Primatological Society, 2004-

Human Behavior and Evolution Society, 2007-
International Association for Ecology and Health, 2008-
International Society of Travel Medicine, 2009-
International Society for Evolution, Medicine, and Public Health, 2015-
South African Society for Travel Medicine, 2016-

Past:

American Society of Primatologists, 1999-2004
American Society of Tropical Medicine and Hygiene, 2001-2010
The Endocrine Society, 2001-2010
International Union for the Scientific Study of Population, 2006-2010
Society for Behavioral Neuroendocrinology, 2007-2009
Society for Comparative and Integrative Biology, 2012-2015
Society for Conservation Biology, 2007-2010
American Public Health Association, 2009-2012
    Epidemiology and International Health Sections
World Leisure Organization, 2010-2012
    Commission on Health Promotion and Disease Prevention
    Commission on Tourism and the Environment
Indiana Academy of Science, 2011-2013

Service (also see Symposia/Conferences Organized, Service Lectures and Class Guest Lectures above)

Department

Baylor

Chair, 2017-
Graduate Program Director, 2020-
Developer, Department Safety document (regarding COVID), adopted by several departments on campus, 2020
Faculty participant, Honors convocation, 2019, 2021
Faculty participant, University Scholars convocation, 2019
Designer and supervisor for MMSCI renovations, 2018
Designer and supervisor for Anthropology display collaboration with the Mayborn Museum, 2018
Supervisor for O'Grady renovation, 2019
Content designer for Anthropology website, 2018
Website manager for Anthropology, 2018-2020
Content designer for Anthropology flyer, 2018
Chair, faculty search committee, 2018-2019, 2019-2020
Updated Anthropology description for A&S Admissions, 2018
Revision of Department tenure and promotion documents, 2019-2020
Creation of Department five-year hiring strategy, 2019
Creation of Department teaching capacity/workload agreement, 2019
Creation of Illuminate proposal that lead to University-wide post-doctoral fellow program, 2019
Designer of proposal for Anthropology PhD program, 2019-2020
Promotion committee chair for Sara Alexander, 2019
Promotion committee chair for Lori Baker, 2019

Tenure committee chair for Alan Schultz, 2018-2021
Tenure committee chair for Julie Hoggarth, 2018-
Tenure committee chair for Samuel Urlacher, 2019-
Tenure committee chair for Austin Reynolds, 2020-
Committee chair for hire of office manager, 2019
Obtained approval of Anthropology courses for the Certificate in Global Studies, 2018
Obtained approval of Anthropology courses as electives in the Departments of Biology and Medical Humanities, 2018
Nomination of Agustin Fuentes for Cherry Teaching Award, 2018
Visiting lectures organized for:
Austin Reynolds, 2018
Amelia Sancilio, 2018
Kari Hanson, 2018
Sam Urlacher, 2018
Ashley Hagaman 2018
Austin Reynolds, 2019
Calen Ryan, 2019
Stephanie Marciniak, 2019
Peter Rej, 2019
Organizer for Paul Farmer campus visit, 2018
"Pizza with a Prof" undergraduate/faculty meet-and-greet, 2017

UTSA

Visiting lectures organized:
Tony Goldberg, 2016
Kerry Dore, 2016
Faculty Review Committee, 2015-2016 (review of Jill Flueret and Sonia Alconini)
Faculty Review Committee, 2016-2017 (promotion of Sonia Alconini)
Comprehensive Periodic Evaluation Committee, 2016-2017 (review of Robert Hard)
Non-Tenure Track Selection and Peer Observation Committee, 2015-2016, 2016-2017
Graduate Travel and Small Grants Committee, 2015-2016, 2016-2017
Job Search Committee, 2015
Undergraduate Program Committee, 2015-2016
Website co-manager, 2016-2017
"Coffee and Donuts" undergraduate/faculty meet-and-greet, 2015
"Pizza with a Prof" undergraduate/faculty meet-and-greet, 2016 (x2)

Indiana University

Discussant for presentation group "Bioanthropology" at the "Breaking Down Boarders" meeting of the Anthropology Graduate Student Association, Indiana University, February 22, 2014
Participant on panel "Research Proposal Development Workshop" at the "Transitions Through Time" meeting of the Anthropology Graduate Student Association, Indiana University, February 23, 2013
Participant on panel "Research Proposal Development Workshop" at the "Technologies of Culture" meeting of the Anthropology Graduate Student Association, Indiana University, February 25, 2011
Organizer for panel "Navigating the IU Institutional Review Board" at the "Exploring

Difference" meeting of the Anthropology Graduate Student Association, Indiana University, February 20, 2010

Organizer for panel "Connecting self and society through the body" at the "Self and Society" meeting of the Anthropology Graduate Student Association, Indiana University, February 6, 2009

Organizer, Skomp Lecture, Nina Jablonski, 2009

Organizer, Skomp Lecture, Kim Hill, 2013

Assessment Coordinator, 2013-2014

Student Associate Instructor Review and Awards Committee, 2013-2014

Graduate Admissions Committee, 2010-2011, 2011-2012, 2012-2013

Graduate Admissions and AIships Committee, 2008-2009, 2009-2010

Graduate Affairs Committee, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2012-2013

Undergraduate Affairs Committee, 2011-2012

Meeting Minutes Recorder, 2011-2012

Communications Committee, 2008-2009

Curriculum Review Committee, 2007-2008

AI and Student Review Committee, 2007-2008

Job Search Committee, 2007-2008 (Evolution of Human Intelligence)

Chair, Job Search Committee, 2013-2014, 2014-2015 (Global Health and Environment)

Visiting lectures organized:

Kim Hill, Arizona State University, 2013
Brian Hare, Duke University, 2012
David Watts, Yale University, 2012
Charlie Nunn, Harvard University, 2012
Mike Huffman, Kyoto University, 2012
Joan Silk, UCLA, 2012
Karen Strier, University of Wisconsin, 2012
Rob Shumaker, Indianapolis Zoo, 2012
Victor Johnston, New Mexico State University, 2009
Toni Ziegler, University of Wisconsin, 2009
Mark Flinn, University of Missouri, 2009
Sonia Lupien, McGill University, 2009
Chris Coe, University of Wisconsin, 2009
Rebecca Knickmeyer, University of North Carolina, 2009
Nina Jablonski, Penn State University, 2009

University of Wisconsin-Milwaukee

Admissions Committee, 2006-2007

Space and Equipment Committee, 2006-2007

Web Committee, 2006-2007

Fossil Cast Committee, 2005-2006

Colloquium Committee, 2005-2006

Financial Planning Committee, 2005-2006

Undergraduate Curriculum Committee, 2004-2005

Financial Aid and Foundation Accounts Committee, 2004-2005

Visiting lectures organized:

Marc Ancrenaz, Kinabatangan Orangutan Conservation Project, 2007
Chris Kuzawa, Northwestern University, 2006

College

Baylor

University Scholars' Exit Interview Participant, 2020
Panelist, Ask Me Anything for rising seniors, 2020
Judge, Undergraduate Research and Scholarly Achievement ONLINE podium presentations, 2020
BTRUE Journal Club presenter, 2020
Lily Tomlin Operator Project, 2020
Virtual visit experience consultant (N = 23), 2020-
Member, Executive Council of Chairs, 2019-
Participant, Baylor Premiere, 2019
Reviewer, Undergraduate Research and Scholarly Achievement undergraduate grants, 2019
Judge, Undergraduate Research and Scholarly Achievement podium presentations, 2019
Faculty mentor to Dr. Tamar Carter (Biology), 2018
Distinguished Scholars Day, Dr. Pepper Reception, 2018, 2019
Distinguished Scholars Day, essay evaluation committee, 2018, 2019
Distinguished Scholars Day, faculty panelist, 2020
Chair, Research Resources Committee, 2018
Member, Outstanding Faculty Award Nomination Committee, 2018-2021
Organizer, Paul Farmer visit, STEM and Humanities Symposium, 2018
Member, Global Health and Environment Taskforce, 2017-2018

UTSA

Chair, Faculty Development Leave Committee, 2016
Committee on Research and Creative Activities, 2015-2016
Reviewer, COLFA Conference Research Paper (4), 2016
Reviewer, SEED Grant Program (3), 2016

Indiana University

Chair, The Ecology of Health, Population, and Reproduction session, Human-Environment Interactions Workshop, February 27, 2010
International Studies Internal Advisory Board, 2008-2009
International Studies committee representative for Health and Environment theme, and awards review committee, 2008-2009
Faculty member, Individualized Major Program, Indiana University, 2008-2015
Committee member for: Adrianne Ashkin, "Managing sustainability"; Sarah Bloom, "A survey of the wildlife field: From art to science"; Kaitlyn Cottrell, "Event planning"; Christian Hines, "Modern political thought and action"; Nathan Johnson, "Underwater archaeology"; Matthew Lattis, "Outdoor adventure leadership and instructorship development"; Chris Mart, "Advertising"; Dawn Moeggenberg, "Freshwater resource conservation"; Thomas Molitor, "Media entrepreneurship"; Sheila O'Brien, "Pre-art therapy"; Chris Reid, "Alternative health"; Elizabeth Reinke, "Zoology"; Ronak Shah, "Conflict resolution"; Marc Winski, "Musical theatre"; Ryan Yohler, "Primatology"

University of Wisconsin-Milwaukee

Graduate Research Committee, University of Wisconsin-Milwaukee, 2005-2007

University

Baylor

Focus group participant, Study Abroad Program Directors, 2021
Faculty presenter for "Pro-Vaccine Info Seminar," Baylor Online Leadership Team, April 26, 2021
COVID advisor for Baylor Psychology Clinic Clinical Care Reopening Plan, 2020
Inaugural presenter, Baylor Postdoctoral Fellow Association, 2020
Founding Member, Global Health Steering Committee, Baylor University and Baylor College of Medicine, 2020
Faculty host, Dr. Deborah Birx, 2020
Faculty moderator (x2), Baylor McNair Conference, 2020
Panelist, Fall Faculty Forum, 2020
8.24 COVID Response Taskforce, 2020
COVID Dashboard Team, 2020
COVID Contact Tracing Team, 2020
COVID Medical Management Team, 2020
COVID Vaccine Team, 2020
Bear Care Coach Program, 30 students per week, 2020
Virtual Recruitment Event video, 2020
Member, Post-doctoral fellow advisory committee, OVPR, 2019-
Member, First in Line program, 2019-
Welcome presentation for New Student Orientation (Waco Hall), four times in 2019
Parent presentation on 'One Health,' Invitation to Excellence, 2019
Research evaluator for potential collaboration with Compassion International, 2018
Faculty mentor and pre-tenure review committee member to Dr. Emily Smith (Public Health), 2018, 2019
Academic Open House, 2018, 2019
Study Abroad Fair, 2018, 2019
Family Coffee Hour, 2018, 2019
Science representative, Know Where You're Going Day, 2018, 2019
Department co-representative, Invitation to Excellence, 2017, 2019
Design committee, Code RED, Invitation to Excellence, 2019
Department co-representative, Major Fair, 2017

UTSA

Faculty participant, UTSA Top Scholar Program, 2016
Institutional Biosafety Committee, 2015-2017
Reviewer, INTRA Grant Program, Office of the Vice Present for Research, 2016, 2017
Faculty advisor, Academic Inquiry & Scholarship program, Natural Sciences pathway, 2017
University Faculty Review Advisory Committee, 2016-2017
Member, Advisory Council for the Honors College, 2016-2017

- Member of Scholarship and Opportunities subcommittee
- Chair of Research subcommittee

Indiana University

Faculty advisor, Indiana University GlobeMed student organization, 2011-2015
Reviewer, Faculty Research Support Program, Office of the Vice Provost for Research, 2011, 2012
Member, Institutional Biosafety Committee, 2010-2012
Advisory Committee, Anthropological Center for Training and Research on Global Environmental Change, 2009-2015
Faculty advisor, University Coalition for Global Health, 2009

University of Wisconsin-Milwaukee

Academic Program and Curriculum Committee, 2006-2007
Chair, Social Sciences subcommittee
Information Technology Policy Committee, 2005-2007

Community

Member, First Presbyterian Church of Waco, 2020-
Discussion leader (x7) for the First Presbyterian Church of Waco, Adult Formation Class on Weaving Science and Faith (2020)
Member, Waco Mayor Taskforce for COVID-19, 2020
Presenter, STEM Night, South Bosque Elementary School, 2020
Classroom reader volunteer, South Bosque Elementary School, 2019
Judge, Central Texas Science and Engineering Fair, 2019
Assistant Scoutmaster, Pack 497 (Baylor-sponsored), Waco, TX, Boy Scouts of America, 2018
Scout discussion leader, Pag 497 (Baylor-sponsored), Waco, TX, Boy Scouts of America, 2021

- Protecting Yourself
- Duty to God

Classroom demonstrator, Career Day, South Bosque Elementary School, 2018, 2019
Christmas party volunteer, South Bosque Elementary School, 2018
Judge, South Central Indiana Regional Science and Engineering Fair, 2010, 2014
Judge, Congolop multimedia competition for teachers identifying environmental, health-related and social issues of international importance, 2008
Advisory board member, “One Here…One There,” student organization for education of African children, 2008
Judge, Outstanding Junior Scientists Competition, Indiana Junior Academy of Sciences, 2008, 2012
Certified emergency medical technician (State of Illinois), 1995

Professional

Program Chair, International Society for Evolution, Medicine and Public Health, 2021

- Handled all email communications (over 2100), built and maintained website, managed 165 pre-recorded talks, managed and operated three Zoom professional webinar accounts to present 46 live sessions. Estimated 250 hours of work.

Program Chair, International Society for Evolution, Medicine and Public Health, 2020
Tenure reviewer for Department of Anthropology, University of Notre Dame, 2019
Vice president, Texas Association of Biological Anthropologists, 2019-

Director of One Health Initiatives, South African Society for Travel Medicine, 2016-
Member, Education and Outreach Committee, International Society for Evolution, Medicine, and Public Health, 2015-
Chair, ecotourism subcommittee, Destination Community Support Interest Group, International Society of Travel Medicine, 2012-
Chair, poster presentation session 18, 81st annual meeting of the American Association of Physical Anthropologists, Portland, OR, April 13, 2012
Panel Member, National Science Foundation, Program in Physical Anthropology, Doctoral Dissertation Improvement Grants, 2011
Member, National Science Foundation's Research Collaborative Network in Redefining and Diversifying Ecological Immunology, 2011-
Judge, student podium presentations, 80th annual meeting of the American Association of Physical Anthropologists, Minneapolis, Minnesota 2011
Associate Chair, World Leisure Organization's Commission on Health Promotion and Disease Prevention, 2010-2011
Chair, podium presentation session, Commission on Health Promotion and Disease Prevention: Active Living and the Leisure Experience, 11th World Leisure Congress, ChunCheon, South Korea, 2010
Chair, podium presentation session, Commission on Health Promotion and Disease Prevention: Surveillance and Management of Health Communities, 11th World Leisure Congress, ChunCheon, South Korea, 2010
Judge, student poster presentations, 35th annual meeting of the Human Biology Association, Albuquerque, New Mexico, 2010
Judge, student poster presentations, 79th annual meeting of the American Association of Physical Anthropologists, Albuquerque, New Mexico, 2010
Member, Student Awards Committee, American Association of Physical Anthropologists, 2010-
Committee member, best practice guidelines for health monitoring and disease control in great apes, Species Survival Commission, International Union for Conservation of Nature, 2009-
Committee member, best practice guidelines for great ape tourism, Species Survival Commission, International Union for Conservation of Nature, 2008-
Chair, podium presentation session A, 33rd annual meeting of the Human Biology Association, Columbus, OH, April 10, 2008
Chair, poster presentation session, 33rd annual meeting of the Human Biology Association, Columbus, OH, April 9, 2008
Member, Education Committee, American Association of Physical Anthropologists, 2008-
Research Affiliate, Center for Human and Primate Reproductive Ecology, Yale University, 2005-2010

Refereeing

Journal articles (N = <u>201</u> peer reviews since 2004; not including reviews for resubmissions)

Acta Odontologica Scandinavica (1)
Acta Theriologica (1)
Adaptive Human Behavior and Physiology (1)
American Anthropologist (1)
American Ethnologist (1)
American Journal of Human Biology (18)

American Journal of Physical Anthropology (11)
American Journal of Primatology (28)
American Journal of Tropical Medicine and Hygiene (1)
Animal Behaviour (1)
Animal Biology (2)
Animal Conservation (1)
Annals of Tourism Research (1)
Applies Psychophysiology and Biofeedback (1)
Asian Pacific Journal of Tropical Medicine (1)
Bioarchaeology International (1)
Bioessays (1)
Biological Conservation (2)
Biological Reviews (1)
Biology Letters (1)
Biotropica (1)
Behavioral Ecology (1)
Behavioral Ecology and Sociobiology (3)
British Medical Journal (1)
Cerebral Cortex (1)
Collegium Anthropologicum (1)
Conservation and Society (1)
Conservation Physiology (1)
Current Zoology (1)
EcoHealth (8)
Ecological and Environmental Anthropology (1)
Ecology Letters (1)
Evolutionary Psychology (1)
Evolution and Human Behavior (2)
Evolution, Medicine and Public Health (3)
Evolutionary Applications (1)
Evolutionary Human Science (1)
Folia Primatologia (3)
Functional Ecology (2)
General and Comparative Endocrinology (3)
Global Health Perspectives (1)
Hormones and Behavior (3)
Human Nature (6)
International Journal of Agricultural Policy and Research (1)
International Journal of Osteoarchaeology (1)
International Journal of Primatology (15)
International Journal of Zoology (2)
Journal of Animal Ecology (1)
Journal of Developmental Origins of Health and Disease (1)
Journal of Ethology (1)
Journal of Eukaryotic Microbiology (1)
Journal of Human Evolution (1)
Journal of Neuroinflammation (1)
Journal of Parasitology (2)

Journal of Travel Medicine (1)
Malaria Journal (1)
Mount Sinai Journal of Medicine (1)
Naturwissenschaften (1)
Nature Education (1)
Nutrition and Food Science (1)
Philosophical Transactions (2)
Physiology and Behavior (1)
PLoS Neglected Tropical Diseases (1)
PLoS ONE (4)
Primates (7)
Proceedings of the National Academy of Sciences (4)
Proceedings of the Royal Society of London, Series B (3)
Psychoneuroendocrinology (1)
Quarterly Review of Biology (2)
Scientific Reports (2)
Social Biology (2)
Sports Medicine (1)
Steroids (1)
The Aging Male (1)
Transactions of the Royal Society of London, Series B (1)
Tropical Biomedicine (1)
Yearbook of Physical Anthropology (2)

Book manuscripts (N = 42 manuscripts since 2006)

Bentham Science Publishers (2)
Cambridge University Press (26)
Elsevier (2)
Harvard University Press (2)
International Union for Conservation of Nature (2)
Palgrave Macmillan (1)
Princeton University Press (1)
Springer Press (1)
Taylor & Francis (1)
University of California Press (1)
University of Chicago Press (2)
W.W. Norton Press (2)

Grant applications (N = 35 grants since 2006)

Academy of Sciences of the Czech Republic (1)
Arcus Foundation (1)
Association of Zoos and Aquariums (2)
Austrian Science Fund (1)
Borneo Orangutan Survival Foundation (1)
Czech Science Foundation (1)
Indiana University, Center for Research in Environmental Sciences (3)

Indiana University Purdue University Indianapolis (IUPUI), Office of the Vice Chancellor for
Research, Research Support Fund (1)
Indiana University, Office of the Vice Provost for Research, Faculty Research Support Program (8)
Indonesian Science Fund, Indonesian Academy of Sciences (1)
Leakey Foundation (3)
National Institutes of Health – Partnerships for Enhanced Engagement in Research (PEER) Health – USAID/NAS/NICHD (1)
National Science Foundation - Program in Biological Anthropology (7)
National Science Foundation - Program in Population Biology (1)
National Science Foundation - Program in Animal Behavior (1)
Sigma Delta Epsilon: Graduate Women in Science (1)
The Welcomme Trust, UK (1)

Consulting

2015- Board member, South African Animal Sanctuary Alliance
2015 Graduate program development, Department of Anthropology, Baylor University, Texas
2014 Animal Defense Legal Fund

Editorships

2017- Member, editorial board, American Journal of Primatology
2011- General editor, Cambridge Studies in Biological and Evolutionary Anthropology, Cambridge University Press
2011- Associate editor, Journal of Evolutionary Medicine, Ashdin Publishing
2011- Associate editor, Ecological Parasitology and Immunology, Ashdin Publishing
2006-2019 Consulting editor, Human Nature, Springer Press

Media Coverage

"Baylor scientists: 40% of campus COVID-19 cases could be British variant," Waco Tribune-Herald, May 3, 2021
https://wacotrib.com/news/local/baylor-scientists-40-of-campus-covid-19-cases-could-be-british-variant/article_4bafeb34-ac50-11eb-9fcc-b72f635b98cb.html#tracking-source=home-top-story-1

"Summer looming, vaccines booming," Baylor Lariat, April 26, 2021
https://baylorlariat.com/2021/04/26/summer-looming-vaccines-booming/

"Strategic Partners," Baylor Magazine, Spring 2021
https://www.baylor.edu/alumni/magazine/1903/index.php?id=976962

"Baylor anthropology chair's background has made him a local leader on COVID-19 issues," Baylor Proud, January 25, 2021
https://www2.baylor.edu/baylorproud/2021/01/baylor-anthropology-chairs-background-has-made-him-a-local-leader-on-covid-19-issues/

"Protecting great apes from the unknown effects of COVID-19," Knowable Magazine, December 3, 2020
Knowablemagazine.org/article/living-world/2020/protecting-great-apes-unknown-effects-covid2019

"Baylor Connections – Michael Muehlenbein," 103.3 KWBU Waco Public Radio, November 27, 2020

"Faculty pivot to meet research needs during the pandemic," Baylor Lariat, November 24, 2020
https://baylorlariat.com/2020/11/24/faculty-pilot-to-meet-research-needs-during-the-pandemic/

"COVID-19 complications plague some survivors," Baylor Lariat, November 20, 2020
https://baylorlariat.com/2020/11/20/covid-19-complications-plague-some-survivors/

"Baylor plans for COVID-19 vaccine distribution," Baylor Lariat, November 20, 2020
https://baylorlariate.com/2020/11/20/baylor-plans-for-covid-19-vaccine-distribution/

"What works to keep positive COVID-19 cases low?," Baylor Lariat, November 12, 2020
https://baylorlariat.com/2020/11/12/what-works-to-keep-positive-covid-19-cases-low/

"Anthropology Ph.D. program focused on job placement," Baylor Lariat, November 9, 2020
https://baylorlariate.com/2020/11/09/anthropology-ph-d-program-focused-on-job-placement/

"Baylor Board of Regents Approves Ph.D. in Anthropology," Baylor eNews, November 6, 2020

"Baylor keeps positivity rate low while cases surge throughout U.S.," Baylor Lariat, November 2, 2020
https://baylorlariat.com/2020/11/02/baylor-keeps-positivity-rate-low-while-cases-surge-throughout-u-s/

"COVID-19 deaths make mark in McLennan County history," October 24, 2020
https://wacotrib.com/news/local/covid-19-deaths-make-mark-in-mclennan-county-history/article_c723ceca-1489-11eb-8e39-13ae44c21ed8.html

"Coronavirus may also spread to animals, say veterinarians," Baylor Lariat, October 15, 2020
https://balorlariat.com/2020/10/15/coronavirus-may-also-spread-to-animals-say-veterinarians/

"Faculty from anthropology and computer science have joined the Waco Family Health Center to begin the Waco COVID Survey," Presidential Perspective, July 9, 2020

"Baylor, Family Health Center to study how widespread COVID-19 is with asymptomatic McLennan County residents," Waco Tribune-Herald, July 8, 2020
https://wacotrib.com/news/higher_education/baylor-family-health-center-to-study-how-widespread-covid-19-is-with-asymptomatic-mclennan-county/article_1385f34c-a760-5209-9031-4ebf4f8ddd59.html

"Baylor professors, Family Health Center looking for participants in COVID-19 survey," Waco Tribune-Herald, July 4, 2020
https://wacotrib.com/news/local/baylor-professors-family-health-center-looking-for-participants-in-covid-19-survey/article_74fe3e7f-b389-52ee-8ed4-c0205cb7db26.html

"Wildlife tourism can pose disease threat to wild animals", Earth Island Journal, May 18, 2020
https://www.earthisland.org/journal/index.php/articles/entry/wildlife-tourism-disease-animals?fbclid=IwAR04_-yCz1oANcGzG3LXu2trawMBUuARRw84pY-DbOJdOCgCQCEGnwhdiPA

"Providing bear care: Baylor faculty and staff volunteers connect with students, provide care and resources," April 16, 2020
Baylor.edu/mediacommunications/news/php?action=story&story=218593

"Anthropology and the prevention of zoonotic viruses", Shot of Science From Annual Reviews, April 2, 2020
https://www.annualreviews.org/shot-of-science/story/prevention-of-zoonotic-viruses\

"Behind the Research: Dr. Michael Muehlenbein, Baylor Anthropology Professor," 2019
https://www.youtube.com/watch?v=Td19be-reDc

"Anthropology of Health", Baylor Magazine, pages 36-41, Summer 2019
https://www.baylor.edu/alumni/magazine/1704/index.php?id=962043

"Bringing LIGHT to the world", The Official 2019 Football Yearbook

"What tattoos really do to our bodies' immune system", October 3, 2019
https://www.cnn.com/2019/10/03/health/tattoo-immune-system-conversation-wellness/index.html

"Why our close encounters with wildlife are so risky for the animals", November 24, 2018
https://www.washingtonpost.com/national/health-science/why-close-human-encounters-with-wildlife-are-so-risky-for-the-animals/2018/11/23/f0bcdf2e-e461-11e8-8f5f-a55347f48762_story.html?noredirect=on&utm_term=.7342b29dc33d

"Dangers of ecotourism: Up close and infectious", October 15, 2018
https://www.knowablemagazine.org/article/society/2018/dangers-ecotourism-close-and-infectious

"UTSA students research human-wildlife interactions in South Texas and Mexico", June 27, 2017
https://www.utsa.edu/today/2017/06/story/wildlife-research.html

"Conservation is no monkey business", May 28, 2015
http://www.knysnaplettherald.com/news/News/General/137546/Conservation-is-no-monkey-business

"Famous American anthropologist in Plett", May 26, 2015
http://www.knysnaplettherald.com/news/News/General/137436/Famous-American-anthropologist-in-Plett

"Scientist talks about hormones to students, faculty", February 10, 2015
http://www.dailyeasternnews.com/2015/02/10/scientist-talks-about-hormones-to-students-faculty/

"Primates Susceptible to Human Infections", January 2, 2014
http://www.iol.co.za/scitech/science/news/primates-susceptible-to-human-infections-1.1628040#.UshzAGRDvaw
http://za.gocmenizm.com/scitech2013/primates-susceptible-to-human-infections_557.html

"Monkey Ecotourism and Health in South Africa", September 13. 2013
http://www.awf.org/blog/monkey-ecotourism-and-health-south-africa

"IU Anthropologists Will Try Funding Research Through Crowd-Funding Website", August 8, 2013
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http://www.insideindianabusiness.com/newsitem.asp?ID=60794#middle
http://research.iub.edu/2013/08/supporting-new-science/
http://www.sacbee.com/2013/08/12/5642687/iu-students-using-web-to-pay-for.html
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"Male Testosterone Levels Increase When Victorious in Competition Against Rivals, But Not Friends", May 14, 2013
http://medicalxpress.com/news/2013-05-male-testosterone-victorious-competition-rivals.html

"Studying Stress in Endangered Species", Indiana University News Room, March 26, 2012

"Wild Orangutans Stressed by Eco-Tourists, But Not for Long, IU Study of North Borneo Finds", March 15, 2012
http://blogs.scientificamerican.com/extinction-countdown/2012/03/27/ecotourism-stress-orangutans/
http://edition.cnn.com/2012/03/23/world/asia/eco-stressed-orangutan/index.html?hpt=hp_bn7
http://climate.particlespin.com/2012/03/27/ecotourism-does-not-overly-stress-orangutans-study-finds/
http://www.eurekalert.org/pub_releases/2012-03/iu-wos031512.php
http://www.sciencedaily.com/releases/2012/03/120315225536.htm
http://www.newswise.com/articles/wild-orangutans-stressed-by-eco-tourists-but-not-for-long-iu-study-out-of-north-borneo-finds
http://newsinfo.iu.edu/news/page/normal/21602.html
http://wildlifenews.co.uk/2012/wild-orang-utans-get-stressed-by-ecotourists/
http://learn2now.com/wild-orangutans-stressed-by-eco-tourists-but-not-for-long-study-out-of-north-borneo-finds.html
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http://pluzmedia.com/news/environment-wildlife/29511/eco-tourism-can-stress-wild-orangutans
http://www.trebuchet-magazine.com/index.php/site/item/eco_tourists_stress_wild_apes_out/
http://indiacurrentaffairs.org/eco-tourism-can-stress-wild-orangutans-2/
http://tdnpost.com/news/eco-tourism-can-stress-wild-orangutans-21076.html
http://www.wespeaknews.com/world/eco-tourism-can-stress-wild-orangutans-38252.html
http://www.sciencenewsline.com/biology/2012031522410013.html
http://informatives.in/eco-tourism-can-stress-wild-orangutans
http://www.citybengaluru.com/eco-tourism-can-stress-wild-orangutans/
http://www.innovations-report.com/html/tag/orangutan_stress_hormone_levels-1-286307.html
http://yourdailyupdateblog.com/archives/28496
http://www.conservationmagazine.org/2012/03/stressful-vacation/
http://www.labspaces.net/118481/Wild_orangutans_stressed_by_eco_tourists__but_not_for_long
http://benjaminanthony8759.typepad.com/blog/2012/03/wild-orangutans-stressed-by-eco-tourists-but-not-for-long.html

"Outstanding Junior Faculty Awards Recognize Excellence in Several Fields," Indiana University News Room, March 7, 2012

"Links Between Sexual Signaling, Immune-Endocrine Functions Focus of NSF Grant to IU Anthropologist," Indiana University Discoveries, September 20, 2011

"Links Between Sexual Signaling, Immune-Endocrine Functions Focus of NSF Grant to IU Anthropologist," Indiana University News Room, September 8, 2011

"The Downside of Manliness," Science NOW, December 8, 2010
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http://news.sciencemag.org/sciencenow/2010/12/scienceshot-the-downside-of-manliness.html?ref=hp
http://www.eurekalert.org/pub_releases/2010-12/bc-tds120710.php
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http://www.genengnews.com/keywordsandtools/print/2/103167895/
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http://www.sciencecentric.com/news/10120903-the-double-edged-sword-dominance.html
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http://www.scienceknowledge.org/2010/08/13/the-energy-cost-of-immune-system/
http://healthmad.com/health/energy-cost-of-immune-system/

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"Avoid the Zoo if You're Sick," New Sabah Times, June 17, 2008

"50 Attend Ecosystem Seminar in Lok Kawi Wildlife Park," New Sabah Times, June 12, 2008

"Have a Cold? Are You Male?" The Leader, October 25, 2006

"Professor Conducts New Study on Students," The UWM Post, October 23, 2006