

Michael D. Wasserman
September 2021

Indiana University
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CURRENT POSITION

Assistant Professor Indiana University (IU), 2016 - present
Department of Anthropology & Human Biology Program

PROFESSIONAL AFFILIATIONS

2018-present Affiliated Faculty of Center for Latin American and Caribbean Studies, IU
2017-present Affiliated Faculty of School of Public & Environmental Affairs (SPEA), IU
2017-present Affiliated Faculty of Common Themes in Reproductive Diversity, IU
2017-present Faculty Member of the Center for the Integrative Study of Animal Behavior (CISAB), IU
2017-present Faculty Member of the African Studies Program, IU

PREVIOUS POSITIONS

Assistant Professor St. Edward's University, 2013 – 2016
Environmental Science & Policy
School of Behavioral & Social Sciences

Postdoctoral Fellow
& Instructor McGill University, 2011-13
Anthropology

EDUCATION

Ph.D. University of California, Berkeley, 2004-11
Environmental Science, Policy, & Management
Dissertation: "Feeding on Phytoestrogens: Implications of Estrogenic Plants for Primate Ecology"

B.S., B.A. University of Florida, 1998-2002
Zoology (Highest Honors), Anthropology (High Honors)
Thesis: "Determinants of colobine monkey abundance: The importance of energy"

RESEARCH INTERESTS

Primate ecology and evolution; environmental endocrinology; stress biology; nutritional anthropology; conservation biology; evolutionary medicine; primate-plant interactions; diet-hormone-behavior interactions; endocrine disruption; comparative analysis of primate diets; prevalence of phytosteroids in primate diets; tropical forest ecology; analysis of plant hormone mimics (phytosteroids) via transfection assays; noninvasive analysis of primate hormones via immunoassay

PEER-REVIEWED PUBLICATIONS

* denotes published while at IU, *Italics* denotes advised graduate students, underline denotes advised undergraduate students

- **In press* **Wasserman MD**, *T Steiniche*, ML Després-Einspinner. Endocrine-Active Phytochemicals in Primate Diets: Prevalence Across the Order. In: J.E. Lambert and J.M. Rothman (Eds.). *Primate Diet & Nutrition*. University of Chicago Press, Chicago.
- *2021 **Wasserman MD**, B Wing, N Bickford, K Hobbs, P Dijkstra, J Carr. A universal theory of biological stress. *Integrative & Comparative Biology*: icab113.
<https://doi.org/10.1093/icb/icab113>.
- *2021 Lim JY*, **MD Wasserman***, *J Veen*, ML Després-Einspinner, WD Kissling. *shared first authorship. Ecological and evolutionary significance of primates' most consumed plant families. *Proceedings of the Royal Society B: Biological Sciences* 288: 20210737.
<https://doi.org/10.1098/rspb.2021.0737>.
- *2020 Wang S, *T Steiniche*, JM Rothman, RW Wrangham, CA Chapman, *R Mutegeki*, R Quirós, **MD Wasserman**, and M Venier. Feces are effective biological samples for measuring pesticides and flame retardants in primates. *Environmental Science & Technology* 54: 12013-12023.
- *2020 Tafoya KA, E Brondízio, *CE Johnson*, P Beck, M Wallace, R Quirós, and **MD Wasserman**. Effectiveness of Costa Rica's conservation portfolio to lower deforestation, protect primates, and increase community participation. *Frontiers in Environmental Science* 8: e580724.
- *2020 Chester EM, *E Fender*, **MD Wasserman**. Screening for Phytoestrogens using a Cell-based Estrogen Receptor β Reporter Assay. *Journal of Visualized Experiments*, e61005,
<https://doi.org/10.3791/61005>.
- *2020 *Rich AM*, **MD Wasserman**, KD Hunt, and FA Kaestle. Chimpanzee (*Pan troglodytes schweinfurthii*) population spans multiple protected areas in the Albertine Rift. *Folia Primatologica*. <https://doi.org/10.1159/000508073>.
- *2020 *Rich A*, S Poindexter, A Lai, *T Steiniche*, *R Mutegeki*, **MD Wasserman**. A Camera Trap Survey in a Protected Forest with Potential for Landscape Connectivity across Western Uganda. *African Journal of Ecology*. <https://doi.org/10.1111/aje.12722>.
- *2019 *Benavidez KM*, A Iruri-Tucker, *T Steiniche*, and **MD Wasserman**. Primate microbial endocrinology: An uncharted frontier. *American Journal of Primatology* 81: e23053.
<https://doi.org/10.1002/ajp.23053>
- *2019 Beck P, R Quirós, *CE Johnson*, **MD Wasserman**. Biological research stations as central nodes in promoting North-South collaborative networks for teaching and research. *Current Opinion in Environmental Sustainability* 39: 31-38.
- *2019 Wang S, *T Steiniche*, KA Romanak, *CE Johnson*, R Quirós, *R Mutegeki*, **MD Wasserman**, and M Venier. Occurrence of legacy pesticides, current use pesticides, and flame retardants in and around protected areas in Costa Rica and Uganda. *Environmental Science & Technology* 53, 11, 6171-6181.
- *2019 *Benavidez KM*, CA Chapman, DC Leitman, TA Harris, and **MD Wasserman**. Seasonal and intergroup variation in estrogenic plant consumption by black-and-white colobus monkeys. *African Journal of Ecology* 57: 429-436.
- *2018 *Rich AM*, **MD Wasserman**, C Deimel, SK Breeden, FA Kaestle, KD Hunt. Is genetic drift to blame for testicular dysgenesis syndrome in Semliki chimpanzees (*Pan*

- trogodytes schweinfurthii*)? *Journal of Medical Primatology* 47:257-269.
- 2015 Gogarten JF, AL Jacob, RR Ghai, JM Rothman, D Twinomugisha, **MD Wasserman**, and CA Chapman. Causes and consequences of changing group sizes in a primate community over 15+ years. *Biotropica* 47: 101-112.
- 2014 Gogarten JF, TR Bonnell, LM Brown, M Campenni, **MD Wasserman**, and CA Chapman. Increasing group size alters behavior of a folivorous primate. *International Journal of Primatology* 35: 590-608.
- 2014 Twinomugisha D, **MD Wasserman**, and CA Chapman. Deriving conservation status for a high altitude population: Golden monkeys of Mgahinga Gorilla National Park, Uganda. In: NB Grow, S Gursky-Doyen, and A Krzton (Eds.). *High Altitude Primates*. Springer Press, New York, pp. 227-243.
- 2013 **Wasserman MD**, K Milton, and CA Chapman. The roles of phytoestrogens in primate ecology and evolution. *International Journal of Primatology* 34: 861-878.
- 2013 **Wasserman MD**, CA Chapman, K Milton, TL Goldberg, and TE Ziegler. Physiological and behavioral effects of capture darting on red colobus (*Procolobus rufomitratu*s) with a comparison to chimpanzee (*Pan troglodytes*) predation. *International Journal of Primatology* 34: 1020-1031.
- 2013 Bonnell T, M Campenni, CA Chapman, JF Gogarten, RA Reyna-Hurtado, JA Teichroeb, **MD Wasserman**, and R Sengupta. Emergent group level navigation: an agent-based evaluation of movement patterns in a folivorous primate. *PLOS ONE* 8: e78264.
- 2013 Chapman CA, TR Bonnell, JF Gogarten, JE Lambert, PA Omeja, D Twinomugisha, **MD Wasserman**, and JM Rothman. Are primates ecosystem engineers? *International Journal of Primatology* 34: 1-14.
- 2013 Marsh LK, CA Chapman, V Arroyo-Rodriguez, AK Cobden, JC Dunn, D Gabriel, RR Ghai, R Reyna-Hurtado, JC Serio-Silva, and **MD Wasserman**. Primates in fragments 10 years later: Once and future goals. In: LK Marsh and CA Chapman (Eds.). *Primates in Fragments: Complexity and Resilience*. Springer Press.
- 2013 Chapman CA, RR Ghai, R Reyna-Hurtado, AL Jacob, SM Koojo, JM Rothman, D Twinomugisha, **MD Wasserman**, and TL Goldberg. Going, going, gone: A 15-year history of the decline in abundance of primates in forest fragments. In: LK Marsh and CA Chapman (Eds.). *Primates in Fragments: Complexity and Resilience*. Springer Press.
- 2012 **Wasserman MD**, CA Chapman, K Milton, JF Gogarten, DJ Wittwer, and TE Ziegler. Estrogenic plant consumption predicts red colobus monkey (*Procolobus rufomitratu*s) hormonal state and behavior. *Hormones and Behavior* 62: 553-562.
- 2012 **Wasserman MD**, A Taylor-Gutt, JM Rothman, CA Chapman, K Milton, and DC Leitman. Estrogenic plant foods of red colobus monkeys and mountain gorillas in Uganda. *American Journal of Physical Anthropology* 148: 88-97.
- 2008 Rothman JM, CA Chapman, D Twinomugisha, **MD Wasserman**, JE Lambert, and TL Goldberg. Measuring physical traits of primates remotely: the use of parallel lasers. *American Journal of Primatology* 70: 1191-1195.
- 2008 Snaith TV, CA Chapman, JM Rothman, and **MD Wasserman**. Bigger groups have fewer parasites and similar cortisol levels: a multi-group analysis in red colobus monkeys. *American Journal of Primatology* 70: 1072-1080.

- 2007 Chapman CA, L Naughton-Treves, MJ Lawes, **MD Wasserman**, and TR Gillespie. Population declines of colobus in western Uganda and conservation value of forest fragments. *International Journal of Primatology* 28: 513-528.
- 2006 Chapman CA, **MD Wasserman**, TR Gillespie, ML Speirs, MJ Lawes, TL Saj, and TE Ziegler. Do nutrition, parasitism, and stress have synergistic effects on red colobus populations living in forest fragments? *American Journal of Physical Anthropology* 131: 525-534.
- 2006 Chapman CA, **MD Wasserman**, and TR Gillespie. Behavioural patterns of colobus in logged and unlogged forests: The conservation value of harvested forests. In: E Newton-Fisher, H Notman, V Reynolds, JD Patterson (eds.). *Primates of Western Uganda*. Pp. 373-390. Springer, New York.
- 2005 Chapman CA, T Webb, R Fronstin, **MD Wasserman**, and AM Santamaria. Assessing dietary protein of colobus monkeys through fecal sample analysis: A tool to evaluate habitat quality. *African Journal of Ecology* 43: 276-278.
- 2003 **Wasserman MD** and Chapman CA. Determinants of colobine monkey abundance: The importance of food energy, protein and fiber content. *Journal of Animal Ecology* 72: 650-659.

GRANTS & FELLOWSHIPS

- 2021 Faculty Research Support Program – External Resubmission Grant, Indiana University - \$74,778
- 2020 IAS Individual Research Award, Indiana University, collaboration with Dr. Daniella Chusyd - \$7,000
- 2020 BRIDGE Grant, Indiana University - \$31,121
- 2019 International Research Experience for Students (IRES) Program, National Science Foundation: “Comparing the influence of economic incentives and land use patterns on the conservation of tropical forests and primates in Panama, Costa Rica, and Uganda”, collaboration with co-PI Dr. Peter Beck - \$299,877
- 2019 BRIDGE Grant, Indiana University - \$68,568 (co-awarded with Dr. Marta Venier)
- 2019 Hutton Honors College HIEP Course Development Grant, Indiana University - \$6,000 (co-awarded with Dr. Andrew Libby)
- 2018 Ostrom Grant for Midwest Primate Interest Group conference, Indiana University - \$8000 (co-awarded with Dr. Cara Wellman and Michelle Benavidez)
- 2018 Themester Funding for Midwest Primate Interest Group conference, Indiana University - \$800 (co-awarded with Dr. Cara Wellman and Michelle Benavidez)
- 2017 Summer Instructional Development Fellowship, Indiana University - \$8,000 (co-awarded with Dr. Andrew Libby)
- 2016 International Research Experience for Students (IRES) Program, National Science Foundation: “Assessing the effects of human activity related to sustainability and biodiversity conservation on tropical forests and primates”, collaboration with Dr. Peter Beck - \$250,000
- 2016 Technology for Innovative Learning and Teaching Pilot Project Grant, St. Edward’s University - \$5,000

2015	Technology for Innovative Learning and Teaching Pilot Project Grant, St. Edward's University - \$5,000
2015	Presidential Excellence Summer Grant, St. Edward's University - \$5,000
2014	Presidential Excellence Summer Grant, St. Edward's University - \$5,000
2014	Technology for Innovative Learning and Teaching Pilot Project Grant, St. Edward's University - \$5,000
2011-2013	Richard H. Tomlinson Postdoctoral Fellowship, McGill University - \$60,000
2012	Excellence Award, Quebec Centre for Biodiversity Science - \$1,806
2008-2010	NSF Doctoral Dissertation Improvement Grant; National Science Foundation: "Feeding on phytoestrogens: Implications for Ugandan red colobus monkey physiological ecology" - \$15,000
2008-2010	Chang-Lin Tien Scholars in Environmental Sciences and Biodiversity Graduate Fellowship; University of California, Berkeley & the Philomathia Foundation - \$40,000
2007	Research Grant; International Primatological Society: "The role of phytoestrogens in the feeding ecology of red colobus monkeys" - \$1,495
2006	Rocca Pre-Dissertation Research Award in African Studies, Center for African Studies; University of California, Berkeley: "Primate response to protected area boundaries in western Uganda: Using field endocrinology to examine forest edge effects" - \$3,000
2005-2008	NSF Graduate Research Fellowship; National Science Foundation - \$90,000 + tuition
2001-2002	NSF Research Experience for Undergraduates; National Science Foundation: "Determinants of colobine monkey abundance: The importance of energy" - \$3,000

CONFERENCE PRESENTATIONS

Bold denotes advised graduate students, underline denotes advised undergraduate students

2022 Jan	MD Wasserman. Comparing the influence of economic incentives and land use patterns on the conservation of tropical forests and primates in Costa Rica and Panama. Presentation accepted for the 28 th Congress of the International Primatological Society. Quito, Ecuador.
2021 Dec	P Beck, MD Wasserman. Do economic incentives conserve tropical forests? Assessing the effectiveness of ecotourism and payments for ecosystem services to maintain ecosystem. Talk to be presented at the virtual 2021 International Congress for Conservation Biology (ICCB).
2021 Dec	T Steiniche , MD Wasserman. Using a Social-Ecological Systems (SES) Approach to Examine Anthropogenic Pollutants in Protected Areas. Talk to be presented at the virtual 2021 International Congress for Conservation Biology (ICCB).
2021 Dec	KB Westrich , MD Wasserman. Go with the gut: Using noninvasive sampling methods to assess primate physiological states. Talk to be presented at the virtual 2021 International Congress for Conservation Biology (ICCB).
2021 Apr	MD Wasserman, S Krief, JM Rothman, CA Chapman, J Veen , WD Kissling, and E Chester. The fig and the bean: How primates' two most consumed plant families interact with their endocrine system. Presentation accepted for the 90 th Annual Meeting of the American Association of Physical Anthropologists. Online.

- 2019 Nov S Wang, **T Steiniche**, K Romanak, M Wasserman, M Venier. Occurrence of organochlorine pesticides and current use pesticides in the atmosphere and fecal from primates in protected areas. Talk presented at SETAC North American 40th Annual Meeting. Toronto, Ontario, Canada.
- 2019 Oct MD Wasserman. Determining the effects of dietary phytoestrogens on red colobus monkey (*Ptilocolobus tephrosceles*) fecal hormone levels in Kibale National Park, Uganda. Poster presented at 7th Conference of the International Society of Wildlife Endocrinology. Kruger National Park, South Africa.
- 2019 Jul MD Wasserman. Assessing the influence of conservation incentives on tropical forests, bats, and primates in Costa Rica. Talk presented at the 2019 International Congress for Conservation Biology (ICCB). Kuala Lumpur, Malaysia.
- 2019 Mar MD Wasserman. Presence of Xenoestrogens in the Hunter-Gatherer Diet of Mbendjele BaYaka from Republic of Congo. Poster presented at 88th Annual Meeting of the American Association of Physical Anthropologists. Cleveland, Ohio.
- 2019 Mar **T Steiniche**, S Wang, M Venier, MD Wasserman. Occurrence of persistent organic pollutants and current use pesticides in primate habitats throughout Kibale National Park, Uganda. Poster presented at 88th Annual Meeting of the American Association of Physical Anthropologists. Cleveland, Ohio.
- 2018 Nov S Wang, **T Steiniche**, KA Romanak, **E Johnson**, M Wasserman, M Venier. Occurrence of legacy pesticides, current use pesticides, and flame retardants in Costa Rica and Uganda. Poster presented at the Society of Environmental Toxicology and Chemistry North America 39th Annual Meeting. Sacramento, California.
- 2018 Aug K Tafoya, **KM Benavidez**, CA Chapman, TE Ziegler, MD Wasserman. Fecal estradiol and progesterone analysis for determining reproductive state of female red colobus monkeys (*Procolobus rufomitratu*s). Talk presented at 27th Congress of the International Primatological Society. Nairobi, Kenya.
- 2018 Aug **T Steiniche**, P Beck, **E Johnson**, R Quirós, KA González, **A Kropf**, **S Matthecheck**, **T Johnson**, A De La Rosa, S Wang, K Romanak, M Venier, MD Wasserman. Primate ecotoxicology in Costa Rica: An assessment of a series of forest fragments. Talk presented at 27th Congress of the International Primatological Society. Nairobi, Kenya.
- 2018 Aug A. Iruri-Tucker, P. Beck, **T. Steiniche**, **E. Johnson**, R. Quirós, K. A. González, **A. Kropf**, **S. Matthecheck**, **T. Johnson**, A. De la Rosa, M. Wallace, **A. Hall**, **A. Webb**, and M.D. Wasserman. Effects of a payment for ecosystem services program and ecotourism on primates across Costa Rica. Poster presented at 27th Congress of the International Primatological Society. Nairobi, Kenya.
- 2018 Aug S Wang, KA Romanak, **T Steiniche**, M Wasserman, M Venier. Occurrence of legacy pesticides, current use pesticides, and flame retardants in Costa Rica and Uganda. Talk presented at 38th International Symposium on Halogenated Persistent Organic Pollutants (POPs) & 10th International PCB Workshop: DIOXIN 2018. Krakow, Poland.
- 2018 July M.D. Wasserman, K. Tafoya, and **M. Benavidez**. Determining the effects of dietary phytosteroids on red colobus monkey reproduction. Poster presented at 9th International Congress of Neuroendocrinology. Toronto, Ontario, Canada.
- 2018 July P. Beck, M.D. Wasserman, K. Alfaro, R. Flores, **E. Johnson**, **T. Johnson**, **S. Matthecheck**, **A. Kropf**, **T. Steiniche**, M. Wallace, **A. Hall**, A. de la Rosa, **A. Webb**, and A. Iruri-Tucker. Measuring the effectiveness of landowner incentives at ecosystem service provision across forest

- fragments in Costa Rica. Talk presented at 4th North American Congress for Conservation Biology. Toronto, Ontario, Canada.
- 2018 Apr MD Wasserman, P Beck, **T Steiniche**, **E Johnson**, R Quirós, KA González, **A Kropf**, **S Matthecheck**, **T Johnson**, S Wang, K Romanak, and M Venier. Primate ecotoxicology in Costa Rica: Assessing an overlooked threat to primates across a series of forest fragments. Talk presented at 87th Annual Meeting of the American Association of Physical Anthropologists. Austin, Texas.
- 2018 Apr **KM Benavidez**, K Milton, and MD Wasserman. Host-parasite interactions in a small island setting: Determining exposure and susceptibility to bot flies (*Cuterebra baeri*) in wild howler monkeys (*Alouatta palliata*). Poster presented at 87th Annual Meeting of the American Association of Physical Anthropologists. Austin, Texas.
- 2018 Apr **AM Rich**, C Deimel, F Kaestle, SK Breeden, MD Wasserman, and KD Hunt. Is Genetic Drift to Blame for a High Incidence of Testicular Dysgenesis Syndrome in Semliki Chimpanzees (*Pan troglodytes schweinfurthii*)? Poster presented at 87th Annual Meeting of the American Association of Physical Anthropologists. Austin, Texas.
- 2018 Apr **T Steiniche**, M Venier, S Wang, K Romanak, JM Rothman, RW Wrangham, and MD Wasserman. Methodology for quantifying anthropogenic chemical pollutants in primate feces. Poster presented at 87th Annual Meeting of the American Association of Physical Anthropologists. Austin, Texas.
- 2017 Oct **T Steiniche**, M Venier, S Wang, **E Johnson**, **A Kropf**, K Romanak, MD Wasserman. Effects of land use, anthropogenic pollution, and forest condition on primate diversity across forest fragments in Costa Rica. Talk presented at the Midwestern Primate Interest Group conference. Northwestern University.
- 2017 Oct **KM Benavidez**, K Milton, JT Lennon, FA Kaestle, and MD. Wasserman. Interactions between gut microbial diversity and the endocrine system in wild howler monkeys (*Alouatta palliata*). Poster presented at the Midwestern Primate Interest Group conference. Northwestern University.
- 2017 Oct **AM Rich**, KD Hunt, MD Wasserman, and FA Kaestle. Genetic diversity of *Pan troglodytes schweinfurthii* in toro-semliki wildlife reserve relative to other eastern chimpanzees. Poster presented at the Midwestern Primate Interest Group conference. Northwestern University.
- 2017 Oct A. Iruri-Tucker, **T. Steiniche**, **K. Benavidez**, F. Bashey-Visser, M.D. Wasserman. Primates, people, and prokaryotes: Using prevalence of antibiotic resistant bacteria to quantify anthropogenic interaction. Poster presented at the Midwestern Primate Interest Group conference. Northwestern University.
- 2017 Jul M.D. Wasserman, P. Beck, **T. Steiniche**, **E. Johnson**, **A. Kropf**, **S. Matthecheck**, **T. Johnson**, R. Quiros Flores, K. Alfaro González, M. Venier. Assessing the effects of conservation incentives on primates across forest fragments in Costa Rica. Talk presented at the International Congress for Conservation Biology. Cartagena, Colombia.
- 2017 Apr J. Ortuño, M.D. Wasserman, M. Minus. Efficient Mosquito Vector Abundance Comparison Between Developed and Protected Natural Areas. Paper presented at the National Conference on Undergraduate Research. Memphis, Tennessee.
- 2015 Aug M.D. Wasserman. A Travis County Almanac: Using nature blogs to connect undergraduate students to their local environment. Poster presented at the 27th International Congress for Conservation Biology. Montpellier, France.

- 2015 Aug **A. Haynes, M. Barnes**, R. Deaton Haynes, M.D. Wasserman. Effects of highway noise on glucocorticoid levels of the gulf coast toad (*Incilius valliceps*) in central Texas. Poster presented at the 27th International Congress for Conservation Biology. Montpellier, France.
- 2015 Aug **K. Salas, A. Pasquier**, A. Belaire, M.D. Wasserman. Predicting the arrival time of emerald ash borer to Texas based on estimated speed of dispersal. Poster presented at the 27th International Congress for Conservation Biology. Montpellier, France.
- 2015 Aug **S. Gamboa, E. Joelson, C. McGlew, G. Bailey, T. LaPoint**, M.D. Wasserman, A. Belaire. Comparison of Carbon Sequestration Methodologies for Use by Academic Institutions in Texas. Poster presented at the 27th International Congress for Conservation Biology. Montpellier, France.
- 2015 Mar **M. Benevidez**, T.R. Harris, M.D. Wasserman, D.C. Leitman, J.M. Rothman, C.A. Chapman Intergroup variation in estrogenic plant consumption by black-and-white colobus monkeys of Kibale National Park, Uganda. Paper presented at 84th Annual Meeting of the American Association of Physical Anthropologists. St. Louis, Missouri.
- 2014 Aug M.D. Wasserman, J.M. Rothman, M. Després-Einspenner, C.A. Chapman, J. Friedman, D.C. Leitman. Some plant species in Moraceae and Fabaceae are estrogenic: Implications for primate field endocrinology. Paper presented at the XXV Congress of the International Primatological Society. Hanoi, Vietnam.
- 2013 Nov M.D. Wasserman. The roles of phytoestrogens in primate ecology and evolution. Paper presented at Texas Association of Biological Anthropologists meeting. University of Texas – Austin.
- 2012 Aug M.D. Wasserman, C.A. Chapman, K. Milton, D.J. Wittwer, T.E. Ziegler. Seasonality in the consumption of estrogenic plant foods: Implications for red colobus monkey (*Procolobus rufomitratu*s) hormonal status. Paper presented at the XXIV Congress of the International Primatological Society. Cancun, Mexico.
- 2012 Jul M.D. Wasserman. Evolutionary and ecological implications of phytoestrogens in the primate diet. Paper presented at the Evolution 2012 Congress. Ottawa, Canada.
- 2011 Apr M.D. Wasserman, J.M. Rothman, A. Taylor-Gutt, C.A. Chapman, K. Milton, D.C. Leitman. Phytoestrogens in the primate diet: Insight from the red colobus monkey and mountain gorilla. Paper presented at the 80th annual meeting of the American Association of Physical Anthropologists. Minneapolis, Minnesota.
- 2010 Sep M.D. Wasserman. Feeding on phytoestrogens: Implications for Ugandan red colobus monkey physiological ecology. Paper presented at the XXIII Congress of the International Primatological Society. Kyoto University. Kyoto, Japan.
- 2010 Aug M.D. Wasserman. Feeding on phytoestrogens: Implications for Ugandan red colobus monkey physiological ecology. Paper presented at the Comparative Nutrition Society Meeting. Westward Look Resort. Tucson, Arizona.
- 2008 Aug M.D. Wasserman, C.A. Chapman, T.E. Ziegler. The physiological and behavioural consequences of darting and collaring on the Uganda red colobus monkey. Poster presented at the XXII Congress of the International Primatological Society. Edinburgh, Scotland, United Kingdom.
- 2006 Jun M.D. Wasserman, C.A. Chapman, T.R. Gillespie, M.L. Speirs, M.J. Lawes, and T.E. Ziegler. Red colobus abundance in forest fragments: the role of nutrition, parasitism, and stress. Paper presented at the XXI Congress of the International Primatological Society. Imperial Resort Beach Hotel. Entebbe, Uganda.

2005 Jul C.A. Chapman, M.D. Wasserman, T.E. Ziegler. Fragmentation and cortisol levels in red colobus monkeys. Poster presented at the XIX Annual Meeting of the Society for Conservation Biology. University of Brasilia. Brasilia, Brazil.

INVITED TALKS

2021 Mar Animal Behavior Conference, Indiana University, Keynote Speaker (student selection)
 2019 Oct Center for Human Evolutionary Studies, Rutgers University, 3rd Annual Lembersky Workshop on “Advances in Primate Nutritional Ecology, Health, and Energetics”.
 2019 Aug School of Archaeology & Anthropology, Australia National University
 2019 May Project Group Epidemiology of Highly Pathogenic Microorganisms, Robert Koch Institute
 2018 Nov Evolution & Human Adaptation Program, University of Michigan
 2017 Dec School of Public and Environmental Affairs, Indiana University
 2017 Sep Common Themes in Reproductive Diversity, Indiana University
 2017 May Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam
 2017 Apr Primatology Club, Miami University
 2017 Mar Food Institute, Indiana University
 2017 Mar School of Public Health, Indiana University
 2016 Nov Primate Biology Group Seminar Series, University of California-Berkeley
 2016 Nov Department of Anthropology, McGill University
 2015 Dec Musée de l’Homme, Paris, France
 2015 Nov University of Angers
 2015 Jun Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
 2015 Jan Department of Anthropology, Indiana University
 2013 Oct Department of Anthropology, University of Texas San Antonio
 2012 Jan School of Behavioral & Social Sciences, St. Edward’s University
 2011 Jan Department of Anthropology, Purdue University
 2010 Nov Department of Anthropology, Rutgers University
 2009 Oct Behavioral Interdisciplinary Studies Seminar Group, University of Wisconsin Madison
 2009 Apr Primate Biology Group Seminar Series, University of California-Berkeley
 2007 Dec Department of Biological Sciences, San Jose State University
 2006 May University of Calgary Study Abroad Program, Placencia, Belize
 2006 May Primate Biology Group Seminar Series, University of California-Berkeley

CURRENT RESEARCH PROJECTS & PROFESSIONAL DEVELOPMENT

2019 Visiting Fellow, Australian National University, College Arts & Social Sciences

2018 Faculty Success Program, National Center for Faculty Development & Diversity

2016-present La Selva, Las Cruces, and Piro Biological Field Stations, Organization for Tropical Studies and Osa Conservation, Costa Rica
Focus: Assessing the effects of human activity related to sustainability and biodiversity conservation on tropical forests and primates using non-invasive endocrinological techniques
Collaborators: Dr. Peter Beck (Environmental Science, St. Edward’s University)

2016-2021 Barro Colorado Island, Smithsonian Tropical Research Institute, Panama
Focus: Microbial endocrinology of howler monkeys
Collaborators: Dr. Katharine Milton (ESPM, UC Berkeley), Michelle Benavidez (Anthropology, Indiana University)

2014 Environmental Science & Policy, St. Edward’s University
Focus: Development of field course on tropical ecology, environmental management, and sustainability
Area: Las Cruces Biological Station, La Selva Biological Station, and Soltis Center in Costa Rica

Collaborators: Organization for Tropical Studies, Dr. Peter Beck & Bill Clabby (St. Edward's University)

- 2014 Innovation Fellows Institute, St. Edward's University
Focus: Experimentation in Pedagogical Practices: Developing use of GIS, citizen science, and nature blogs in the classroom
- 2012 AnthroTree Workshop, University of Massachusetts – Amherst
Focus: Phylogenetic methods for addressing questions in evolutionary anthropology
Head Instructor: Dr. Charlie Nunn, Dept. of Evolutionary Anthropology, Harvard University
- 2010 Dept. of Nutritional Sciences & Toxicology, University of California-Berkeley
Focus: Quantification of plant estrogenic activity using transfection assays
Advisors: Drs. Dale Leitman and Len Bjeldanes
- 2009 Wisconsin National Primate Research Center, University of Wisconsin-Madison
Focus: Quantification of primate steroid hormone levels using immunoassays
Advisors: Dr. Toni Ziegler and Dan Wittwer
- 2006-present Kibale National Park, Uganda
Focus: Endocrine disruptors in primate diets
Collaborators: Dr. Colin Chapman (Anthropology, McGill University), Dr. Jessica Rothman (Anthropology, CUNY Hunter), Tessa Steiniche (Anthropology, Indiana U), Marta Venier (SPEA, Indiana University)
- 2002-2004 Research Assistant
Dept. of Zoology, University of Florida, Gainesville, Florida
Focus: Primate nutritional ecology and environmental endocrinology, fish physiological ecology, and conservation of ecosystems in Uganda. University of Florida and Kibale National Park.
Supervisors: Drs. Colin Chapman and Lauren Chapman

TEACHING INTERESTS

Undergraduate:

Biodiversity & Human Health
Evolution of Human Ecological Footprint
Hormones & Human Behavior
Biological Anthropology
Global Climate Change & Human Health

Graduate:

Current Issues in Conservation & Sustainability
Applied Research in Environmental Endocrinology

Field Course:

Planetary Health: Costa Rica

TEACHING EXPERIENCE

Dept. of Anthropology, Indiana University – Assistant Professor

Undergraduate & Graduate:

Evolution of the Human Ecological Footprint (2017, '18, '20, '22)
Hormones & Human Behavior (2017, '18, '20, '21)
Bioanthropology (2016, '20, '21, '22)

Human Biology Program, Indiana University – Assistant Professor

Undergraduate:

Biodiversity & Human Health (2016, '17, '18, '19, '20, '21, '22)
Global Climate Change & Human Health (2017, '18, '19, '22)

Hutton Honors College, Indiana University – Assistant Professor*Undergraduate:*

Planetary Health in Costa Rica – Field course (Summer 2022)

Dept. of Environmental Science & Policy, St. Edward's University – Assistant Professor*Master's Level:*

Community Ecology (2016, '15, '14)

Applied Research (2015, '14)

Population Ecology (2014, '13)

Global Topics in Environmental Management and Sustainability - Field course in Costa Rica (Summer 2016)

Undergraduate:

EcoLead: Environmental Leadership in Costa Rica – Included 1 week study abroad in Costa Rica (2016)

Global Health (2015) – Study abroad course in Angers, France

Global Health (2016)

Organisms & Populations (2016)

Human Diet (2015) – Study abroad course in Angers, France

Environmental Science (2015, '14, '13)

Environmental Science (2015) – Study abroad course in Angers, France

Primate Ecology & Conservation (2013)

Ecology & Environment (2014, '13)

Dept. of Anthropology, McGill University – Postdoctoral Instructor*Undergraduate:*

Primate Studies & Conservation – Field Course in Uganda (2013)

Primate Behaviour and Ecology (2012)

Dept. of Environmental Science, Policy, & Management, University of California, Berkeley – Graduate Student Instructor*Undergraduate:*

Primate Ecology and Behavior (2011, '10, '07)

Human Diet (2009, '05)

Dept. of Statistics, University of Florida, Gainesville – Teaching Assistant*Undergraduate:*

Statistics for Social Sciences (1999)

STUDENTS ADVISEDPostdoctoral / Research Scientist Advisor

2018-present Dr. Daniella Chusyd (Public Health, Indiana University Bloomington): Animal Morris Fellow

2017-present Dr. Emily Chester (Anthropology, Indiana University Bloomington): Research Scientist

PhD Advisor in Progress

2020-present Elizabeth Coggeshall (Anthropology, Indiana University Bloomington): College Graduate Fellow

2019-present Eric Johnson (Anthropology, Indiana University Bloomington): College Graduate Fellow

2018-present Ashlee Webb (Anthropology, Indiana University Bloomington): College Graduate Fellow, NSF Graduate Research Fellow

2016-present Tessa Steiniche (Anthropology, Indiana University Bloomington): Ostrom, CTRD NIH T32, and CISAB Fellow

2016-present Kathryn Michelle Benavidez (Anthropology, Indiana University Bloomington): P.E.O. Scholar,

McNair, College Dissertation, and CISAB Fellow

Master's Advisor in Progress

2018-present Cathleen Steinbeiser (Biology, Indiana University Bloomington)

Dissertation Committees in Progress

2019-present Mecca Burris (Anthropology, Indiana University Bloomington)
 2019-present Catherine Smith (Anthropology, Indiana University Bloomington)
 2018-present Colleen Friedly (Anthropology, Indiana University Bloomington)
 2018-present Sofie Semmler, (Biological Anthropology, Australian National University)

Dissertation Committees with PhD Completed

2017-18 Kurt White (Public Health, Indiana University Bloomington), now at Biogen
 2016-18 Alicia Rich (Anthropology, Indiana University Bloomington), now professor at Otterbein U.

Master's Thesis Projects Completed

2019-2020 Jorin Veen (Theoretical and Computational Ecology, University of Amsterdam)

Professional Science Master's in Environmental Management and Sustainability Non-thesis Research Projects (St. Edward's University)

2018-19 Patrick Kelleher, Faith Chonko
 2017-18 Amy Hall
 2016-17 Eric Johnson, Sarah Mattecheck, Abigail Kropf, Theresa Johnson
 2014-15 Aaron Haynes, Marsha Barnes, Amanda Maxon, Pamela Millan, Stacia Sheputa, Christopher Cormier, Lauren Cybulska, Antoine Pasquier, Katalina Salas, Christine Lacayo, Park Ng, Jeremiah Wetherby, Suzanne Gamboa, Erica Joelson, Christina McGlew, Tessa Rager, Matthew Horgan
 2013-14 Christopher Johnson, Gregory Washington, Andrew Barrick, Nicole Minicone, Jesse Hunt, Angelica Martinez, Lesley Lucas, Jordan Aldridge, Michael Slotten, Gwendolyn Bailey, Thomas LaPoint, Phoebe Romero, Emily Conway, Aaron Waters, Jamie Carpenter

Undergraduate Research Projects

2020-21 Melanie Forbes (Indiana University, Human Biology), Honor's Thesis
 2019-21 Abigail McClain (Indiana University, Biology & Spanish), NSF Graduate Research Fellow, NSF IRES Project, Honor's Thesis
 2019-20 Emily Fender (Indiana University, Biology & Neuroscience), NSF IRES Project, Honor's Thesis
 2019-20 Kristin Murray (Indiana University, Anthropology), NSF IRES Project, Honor's Thesis
 2019-21 Eliza Foran (Indiana University, Biology), NSF IRES Project
 2018-19 Desirée I Nieves Canabal (University of Puerto Rico, Animal Science), NSF IRES Project
 2018-19 Kathryn Tafoya (Indiana University, Animal Behavior), NSF IRES Project, Honor's Thesis, Awarded Excellence in Honors Thesis Research in Animal Behavior Award
 2018-19 Jakob Pridemore (Indiana University, Anthropology), NSF IRES Project
 2017-19 Alec Iruri-Tucker (Indiana University, Animal Behavior), NSF IRES Project, Honor's Thesis
 2017-18 Ashlee Webb (Boise State U., Biology), NSF IRES Project, NSF Graduate Research Fellow
 2017-18 Amanda de la Rosa (St. Edward's U., Environmental Science & Policy), NSF IRES Project
 2017-18 Meagan Wallace (St. Edward's University, Environmental Science & Policy), NSF IRES Project
 2017-18 Iris Thompson (Indiana University, Anthropology), Honor's Thesis
 2016 Jaquelin Ortuno (St. Edward's University, School of Behavioral and Social Sciences), McNair Scholars Program Research Project
 2014 Kathryn Michelle Benavidez (St. Edward's University, School of Behavioral and Social Sciences), McNair Scholar
 2013-14 Marie-Lyne Després-Einspenner (McGill University, School of Environment), Honor's Thesis
 2007-10 Alexandra Taylor-Gutt (University of California, Berkeley, College of Natural Resources), Honor's Thesis

Individualized Major Program Sponsor (Indiana University)

2018-2020 Natalie Kaufmann, Conservation Studies

COMMUNITY OUTREACH / PRESS

- 2020 Indiana University News Podcast (Sept. 14, 2020): “Primate poop and angry Americans” <https://podcasts.apple.com/us/podcast/primate-poop-and-angry-americans/id1520266289?i=1000491185688>
- 2020 Environmental Health News (Sept. 9, 2020): “Toxic pesticides and flame-retardants found in monkey, baboon, and chimpanzee poop” <https://www.ehn.org/toxic-chemicals-in-monkey-poop-2647524070.html>
- 2020 News at IU (Sept. 9, 2020): “Primate feces could hold key to understanding threats to wildlife from chemical pollutants” <https://news.iu.edu/stories/2020/09/iub/releases/09-primate-feces-monkey-poop-research-chemical-pollutants-in-wildlife.html>
- 2020 Innovation News Network (July 17, 2020): “Improving tropical forest conservation through interdisciplinary research” <https://www.innovationnewsnetwork.com/improving-tropical-forest-conservation-through-interdisciplinary-research/6202/>
- 2020 Scientia (May 20, 2020): “Saving Tropical Forests Through International Research Collaboration: Dr. Peter Beck & Dr. Michael Wasserman” <https://www.scientia.global/dr-peter-beck-dr-michael-wasserman-saving-tropical-forests-through-international-research-collaboration/>
- 2019 Science on Tap, Shoefly Public House, Indianapolis, Indiana, panelist for citizen discussion of “Climate Change”
- 2018 Indiana University Themester 2018 Animal/Human Podcast, College of Arts and Sciences, “You Are What You Eat” <https://themester.indiana.edu/news-events/podcasts/2018/wasserman.html>
- 2018 Indiana Public Radio, Earth eats (June 29, 2018): “Wild Rice, Food Memories, Fireflies And Monkey Scat” <https://indianapublicmedia.org/earthats/wild-rice-food-memories-fireflies-monkey-scat/>
- 2015 Association of American Colleges & Universities (AAC&U) News (December 2015): “Connecting Students and Supporting Faculty through Technology at St. Edward’s University” <http://www.aacu.org/campus-model/connecting-students-and-supporting-faculty-through-technology-st-edward-s-university>
- 2015 St. Edward’s University Magazine (Fall 2015): “The History Behind Human Diet” <https://www.stedwards.edu/articles/stories/2015/06/history-behind-human-diet>
- 2014 St. Edward’s University Magazine (Fall 2014): “Reading the Leaves” <http://issuu.com/stedwardsuniversity/docs/fall2014magazine>
- 2012 New Scientist (Issue 2860, p.11): “Other primates share human taste for plant oestrogens” <http://www.newscientist.com/article/mg21428604.400-other-primates-share-human-taste-for-plant-oestrogens.html>
- 2012 The Academic Minute (June 29, 2012; Northeast Public Radio): “Soy Diets and Primate Evolution” <http://wamc.org/post/dr-michael-wasserman-mcgill-university-soy-diets-and-primate-evolution>
- 2012 University of California Food Blog (July 17, 2012): “Looking to Darwin to understand soy” <http://ucanr.org/blogs/blogcore/postdetail.cfm?postnum=7934>
- 2012 Kyoto University Primate Research Institute PrimateCast (September 2, 2012): “The PrimateCast #6: On location at the 24th Congress of the International Primatological Society in Cancun, Mexico” <http://www.cicasp.pri.kyoto-u.ac.jp/news/podcasts/international-primatological-society>
- 2012 University of California, Berkeley News Center (November 19, 2012): “Eating estrogenic plants alters hormones in monkeys, may increase aggression and sex” <http://newscenter.berkeley.edu/2012/11/19/phytoestrogens-may-affect-behavior/>
- 2012 Contributed chapter: “Why do some primates eat plants that produce steroid mimics?” to *The Where, The Why, and The How: 75 Artists Illustrate Wondrous Mysteries of the Universe*, Chronicle Books. <http://www.chroniclebooks.com/titles/life-style/nature-science/the-where-the-why-and-the-how.html>
- 2004-present Presentations at K-12 schools in Perrysburg, Ohio; Bloomington, Indiana; Austin, Texas;

Oakland, California; Surat Thani, Thailand
 2003-present Local community service around Kibale National Park, Uganda

PROFESSIONAL SERVICE

2019 Reintegrating Biology Working Group, National Science Foundation
 2018 Hosted the 15th Annual Midwest Primate Interest Group Conference
 2018-19 Society for Behavioral Neuroendocrinology Indiana University Organizing Committee
 2017-18 Scientific Program Committee, American Association of Physical Anthropology
 2017-present Delegate of Organization for Tropical Studies (OTS) for Indiana University
 2016-present National Science Foundation Panelist Reviewer
 2017-present Human Biology Association Student Reception Volunteer “Roundtable Leader”
 2017-present American Association of Physical Anthropology Student Essay and Presentation Judge
 2015-16 Delegate of Organization for Tropical Studies (OTS) for St. Edward’s University
 2015 Lynn Riddiford Student Poster Competition Judge, Society for Integrative and Comparative Biology Annual Meeting, West Palm Beach, Florida
 2014 Symposium Co-organizer & Co-chair with Dr. Amy Cobden, “Critical Junctions in Endocrinology & Primate Conservation”, Congress of the International Primatological Society, Hanoi, Vietnam
 2012-15 English Language Editor of *Taprobanica*, The Journal of Asian Biodiversity
 2012 Symposium Chair, Congress of the International Primatological Society, Mexico
 2005-06 Co-president with Dr. Cole Burton, Berkeley Chapter of the Society for Conservation Biology

Reviewer for Journals: *African Journal of Ecology*, *African Primates*, *American Journal of Primatology*, *Animal Biodiversity & Conservation*, *Animal Conservation*, *Biological Conservation*, *Biology Letters*, *Canadian Journal of Zoology*, *Current Opinion in Environmental Sustainability*, *Evolutionary Applications*, *Experimental Biology and Medicine*, *Hormones and Behavior*, *International Journal of Primatology*, *International Journal of Zoology*, *Journal of Animal Ecology*, *Journal of Chemical Ecology*, *Journal of Basic and Clinical Physiology and Pharmacology*, *Journal of Zoology*, *Molecular Phylogenetics & Evolution*, *Nature Conservation*, *Physiology & Behavior*, *Population Ecology*, *PLOS ONE*, *Taprobanica*, *Tropical Conservation Science*

Reviewer for Books: Cambridge University Press, Oxford University Press

Reviewer for Grants: French National Research Agency, Graduate Women in Science, The Leakey Foundation, National Geographic Society, National Science Foundation

Reviewer for Conferences: International Primatological Society, Society for Conservation Biology, American Association of Physical Anthropologists

Member: International Primatological Society, Society for Conservation Biology, American Association of Physical Anthropologists, International Society of Wildlife Endocrinology, American Association for the Advancement of Science

UNIVERSITY SERVICE

Indiana University

2021-2023 Executive Committee (elected), Department of Anthropology
 2021-present Individualized Major Program’s Advisory Committee
 2021 Lecturer in Animal Behavior Search Committee, Center for the Integrative Study of Animal Behavior
 2021 Graduate Admissions Committee, Food Studies MA
 2020-2022 Graduate Admissions Committee, Department of Anthropology
 2020-present College Faculty Advisory Board for International Affairs
 2020 Assistant Instructor Review Committee, Department of Anthropology
 2020 Visiting Professor of Archaeology Search Committee, Department of Anthropology
 2019-present Human Biology Advisory Committee, Human Biology Program

2019-2020	Faculty Salary Merit and Awards Committee (elected), Dept. Anthropology
2018	Hosted Themester event “Distinguished Primatologist Award, Dr. Jill Pruetz”
2018-present	Individualized Major Program Faculty Committee
2018-present	Undergraduate Curriculum Committee, Center Int. Study of Animal Behavior
2017-18	Assistant Instructor Review Committee, Department of Anthropology
2017-19	Executive Committee (elected), Department of Anthropology
2017-present	Faculty Judge for Wells Scholars Program
2016-17	Curriculum Committee, Department of Anthropology

St. Edward's University

2016	Wild Basin Direction Search Committee
2016	Assistant Professor of Environmental Science Search Committee
2015	Organized and hosted the 3 rd Annual Master's in Environmental Management and Sustainability Research Symposium
2014-15	Common Text Committee
2014-15	Faculty & Student Research Award Committee
2014	Organized and hosted the 2 nd Annual Master's in Environmental Management and Sustainability Research Symposium
2014	Dorm Talk on Sociality in Primates
2013-14	Editorial Board, McNair Scholars Program
2013-15	Editorial Board, J-Source: St. Edward's University undergraduate research journal

HONORS & AWARDS

2021	Trustees Teaching Award, Indiana University
2019	Trustees Teaching Award, Indiana University
2014	Innovation Fellowship, St. Edward's University
2014	BSS Faculty Research Award, St. Edward's University
2010	Malcolm Ramsey Memorial Award, Comparative Nutrition Society
2010	Edward Steinhaus Memorial Award, University of California, Berkeley
2009	Oliver B. Lyman Wildlife Fisheries Award, University of California, Berkeley
2009	Outstanding Graduate Student Instructor Award, University of California, Berkeley
2009	Hannah M. and Frank Schwabacher Memorial Fellowship Award, University of California, Berkeley
2004	Power Recruitment Award, University of California, Berkeley
2002	University Scholars Program, University of Florida
2001	Phi Beta Kappa (Early Induction)