CARA OCOBOCK

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EDUCATION

2014 PhD Anthropology, Washington University in St. Louis,
Thesis Title: Measuring and Predicting Total Energy Expenditure Among Highly Active Humans in Natural Environments
Advisors: Dr. Herman Pontzer and Dr. Erik Trinkaus
2009 AM Anthropology, Washington University in St. Louis
2007 BS Anthropology Zoology *with Highest Honors,* University of Michigan
2007 BS Cellular, Molecular and Developmental Biology, University of Michigan

CURRENT APPOINTMENT

2024-Present Associate Professor, Department of Anthropology | University of Notre Dame | Notre Dame, IN
2019-2024 Assistant Professor, Department of Anthropology | University of Notre Dame | Notre Dame, IN
2021-Present Affiliated Faculty, Sports, Media, and Culture Minor | University of Notre Dame | Notre Dame, IN
2021-Present Affiliated Faculty, Environmental Change Initiative | University of Notre Dame | Notre Dame, IN
2021-Present Affiliated Faculty, Health, Humanities, and Society Program | University of Notre Dame | Notre Dame, IN
2021-Present Concurrent Faculty, Department of Gender Studies | University of Notre Dame | Notre Dame, IN
2021-Present Fellow, Institute for Educational Initiatives | University of Notre Dame | Notre Dame, IN
2022-Present Visiting Researcher | University of Lapland & The Arctic Centre | Rovaniemi, Finland

PREVIOUS APPOINTMENTS

2016-2019 Assistant Professor, Department of Anthropology | University at Albany, SUNY | Albany, NY
2014-2016 Assistant Professor, Biomedical Sciences Department | Grand Valley State University | Grand Rapids, MI

AWARDS

2023 **Received** the American Association of Biological Anthropology and Leakey Foundation Communication & Outreach Award in Honor of Camilla M. Smith
2022 **Received** the Michael A. Little Early Career Award. Human Biology Association

2018 *Nominated* for the Terra Award for achievement in sustainability, University at Albany
2018 *Nominated* for the Torch Night Professor Award, University at Albany
2018 *Nominated* for the President's Award for Exemplary Public Engagement, University at Albany
2017 *Nominated* for the Torch Night Professor Award, University at Albany
2016 **Received** the Grand Valley State University Women's Commission Women's Community Impact Award
2014 **Received** the Edward E. Hunt, Jr. Student Award for Outstanding Paper, *Human Biology Association*
2011 **Received** the Alex Hrdlicka for Outstanding Student Paper, *American Association of Physical Anthropology*
2010 **Received** the Graduate Dean's Award for Teaching Excellence
2007 **Received** the University of Michigan Anthropology Department Service Award
2002 **Received** the University of Michigan Regent Merit Scholarship Recipient

PEER-REVIEWED PUBLICATIONS (* with undergraduate student, @ with graduate student)

Lever J, Ocobock C, Smith-Hale V, Metoyer C, Huebner A, Wagle J, Hauenstein J. A preliminary investigation of the efficacy of far infrared-emitting garments on objective and subjective recovery following resistance exercise. Journal of Sports Medicine and Physical Fitness. *Submitted*

Metoyer C, Lever J, Smith-Hale V, Klaus C, **Ocobock C**, Huebner A, McGinty M, Hauenstein J, Wagle J. Exploring the Use of Thermography for Monitoring Recovery in Division-I Collegiate Female Soccer Players. Journal of Biophotonics. *Submitted*.

Pierce C, Lynn C, Cepon-robins T, **Ocobock C**, Warrener A. From onset to impact: Understanding the nexus of polycystic ovary syndrome and early menarche. American Journal of Biological Anthropology. *Submitted*.

Niclou A, Greenwald A, **Ocobock C**. Energetic Value of Women's Work: Assessing maternal energetic costs from acorn foraging. *American Journal of Biological Anthropology*. *Under revision*.

2024 Lynn C, Pierce C, **Ocobock C**. The value of publicly engaged podcasting in human biology. *American Journal of Human Biology*. https://doi/10.1002/ajhb.24105

2024 Ocobock C and Lacy S. Response to "Can women hunt? Yes, did women contribute much to human evolution through endurance hunting? Probably not." *American Anthropologist*. In early view. https://doi.org/10.1111/aman.13971

2024 Niclou A, Vesi L, Arorae M, Naseri NC, Faasalele Savusa K, Naseri T, DeLany JP, McGarvey ST, Rivara AC, **Ocobock C**. When the Cold Gets Under Your Skin: Evidence for Brown Adipose Tissue Activity in Samoan Adults. *American Journal of Biological Anthropology*. 183(2): e24848. https://doi.org/10.1002/ajpa.24848

2024 Lacy S and **Ocobock C**. (Wo)man the Hunter: The Archaeological Evidence. *American Anthropologist*. 126(1): 19-31. https://doi.org/10.1111/aman.13914

2024 **Ocobock C** and Lacy S. (Wo)man the Hunter: The Physiological Evidence. *American Anthropologist*. 126(1): 7-18. https://doi.org/10.1111/aman.13915

2023 Best AW, McGrosky A, Swanson Z, Rimbach R, McConaughy K, McConaughy J, **Ocobock C**, Pontzer H. Total energy expenditure and nutritional intake in multi-day

ultramarathon events. *Sport Nutrition and Exercise Metabolism*. In early view. https://doi.org/10.1123/ijsnem.2023-0063

2023 Montenegro A, Niclou A, Anderson AJ, Fitzpatrick SM, **Ocobock C**, Energetic demands of thermoregulation during canoe passages from Tahiti to Hawaii and New Zealand, a simulation analysis. *PLoS One*. PLoS ONE 18(7): e0287290. https://doi.org/10.1371/journal.pone.0287290

2023 Kelly A@, **Ocobock C**, Butaric L, Maddux S. Metabolic demands and sexual dimorphism in human nasal morphology: A test of the respiratory-energetics hypothesis. *American Journal of Biological Anthropology*. Early View: https://doi.org/10.1002/ajpa.24692.

2022 **Ocobock C** and Hejtmanek KR. Missing the Gym: the importance of formal fitness communities for physical and mental wellbeing during COVID-19 stay at home orders. *Anthropology Now*. 14(1-2): 112-126. https://doi.org/10.1080/19428200.2022.2119778

2022 Hejtmanek KR and **Ocobock C**. "Exercise Is Now More Than Just Exercising": Motivations for Exercise during Pre-COVID and In-COVID Stay at Home Orders in the United States. *Ethos*. 50(4): 434-448. https://doi.org/10.1111/etho.12373.

2022 **Ocobock C** and Niclou A. Fat but Fit…and Cold? Potential Evolutionary and Environmental Drivers of Metabolically Healthy Obesity. *Evolution, Medicine, and Public Health*. 10(1): 400-408. https://doi.org/10.1093/emph/eoac030

2022 **Ocobock C**, Turunen M, Soppela P, and Rasmus S. The impact of winter warming and more frequent icing events on reindeer herder occupational safety, health, and wellbeing. *American Journal of Human Biology*. Special Issue "Extreme Climatic Events and Human Biology & Health" invited contribution. 35(1): e23790. https://doi.org/10.1002/ajhb.23790

2022 **Ocobock C,** Soppela P, Turunen M, Stenbäck V, & Herzig, K-H. Evidence for brown adipose tissue activity among reindeer herders of sub-Arctic Finland. *Journal of Physiological Anthropology*. Special Issue Invited Contribution. 41(17). https://doi.org/10.1186/s40101-022-00290-4.

2022 **Ocobock C**, Soppela P, & Turunen M. No association between body mass index and metabolic biomarkers among a small sample of reindeer herders of sub-Arctic Finland. *International Journal of Circumpolar Health*. 81(1): 2024960. DOI: 10.1080/22423982.2021.2024960.

2022 @Niclou A and **Ocobock C**. Weather Permitting: Increased Seasonal Efficiency of Non-shivering Thermogenesis through Brown Adipose Tissue Activation in the Winter. *American Journal of Human Biology*. e23716. https://doi.org/10.1002/ajhb.23716.

2021 Oyama S, Arslanian K, Levy S, **Ocobock C**, Fidow UT, Naseri T, Hawley NL. Feasibility Analysis of Infrared Thermal Imagining to Examine Brown Adipose Tissue in infants 18-24-months old. *Annals of Human Biology*. 48(5) 374-381. DOI: 10.1080/03014460.2021.1985607.

2021 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Herzig KH, Rimbach R, Pontzer H. Reindeer herders from subarctic Finland exhibit high total energy expenditure and low energy intake during the autumn herd roundup. *American Journal of Human Biology*. E23676. DOI: 10.1002/ajhb.23676.
- Top Cited Article 2021-2022

2021 Sarma M, **Ocobock C**, Martin S, Rochelle A, Croom B, Gettler L. Sex Differences and Shifts in Body Composition, Physical Activity, and Total Energy Expenditure Across a 3-

month Expedition. *American Journal of Human Biology*. 1-17. http://doi.org/10.1002/ajhb.23634.
- Selected as *Editor's Choice* article for journal issue
- Research photo used as issue cover

2021 Turunen M, Soppela P, **Ocobock C**. How reindeer herders cope with harsh winter conditions in northern Finland: Insights from an interview study. *Arctic*. 74(2): 188-205.
- Research photo used as issue cover

2021 **Ocobock C**, @Niclou A, Loewen T, Arslandian K, Gibson R, Valeggia C. Demystifying mentorship: tips for successfully navigating the mentor-mentee journey. *American Journal of Human Biology*. e23690. Special Issue Invited Contribution. Co-Guest Editor for Issue. https://doi.org/10.1002/ajhb.23690.

2021 **Ocobock C**, Owens C, Holdsworth E, Gildner T, Lynn C. #Hackademics: Hacks for Academics. *American Journal of Human Biology*. e23653. Special Issue Invited Contribution. Co-Guest Editor for Issue. http://doi.org/10.1002/ajhb.23653.

2021 **Ocobock C**, Lacy S, @Niclou A. Between a Rock and a Cold Place: Neanderthal Biocultural Cold Adaptations. *Evolutionary Anthropology.* 30:262-279. https://doi.org/10.1002/evan.21894.
- Top Cited Article 2021-2022

2020 **Ocobock C.** Infographics, Podcasts, and Videos: Promoting Creativity and Building Transferable Skills among Undergraduate Students. *Teaching and Learning Anthropology*. 3(2): 61-71. https://escholarship.org/uc/item/58403197.

2020 **Ocobock C**, Lynn C, @Sarma M, Gettler L. Organized Adult Play and Stress Reduction: Testing the Absorption Hypothesis in a Comedy Improv Theatre. *Adaptive Human Behavior and Physiology*. 6(4): 436-446. https://doi.org/10.1007/s40750-020-00147-z.

2020 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Herzig K-H. Elevated resting metabolic rates among female, but not male, reindeer herders from sub-arctic Finland. *American Journal of Human Biology*. 32(6): 1-16 (e23432). https://doi.org/10.1002/ajhb.23432.
- Selected as *Editor's Choice* article for journal issue
- Research photo used as issue cover

2020 **Ocobock C.** Human energy expenditure in anthropology and beyond. *American Anthropologist*. 122(2):236-249. https://doi.org/10.1111/aman.13392.
- Top cited article for 2020-2021

2020 **Ocobock C,** Hawley P. Preaching to the Choir: The impact of Science on Tap on the public perception of science. *Journal of Science Communication.* 19(01)A04:1-19.

2020 **Ocobock C** and Lynn C. Human biology is a matter of life or death: Effective science communication for COVID-19 research. *American Journal of Human Biology*. Special Issue Invited Contribution. https://doi.org/10.1002/ajhb.23472

2019 Thurber C, Dugas LR, **Ocobock C**, Carlson B, Pontzer H. Extreme events reveal an alimentary limit on human energy expenditure. *Science Advances*. 5(6): eaaw0341. (DOI: 10.1126/sciadv.aaw0341).

2019 **Ocobock C**. The effect of in-field measurement protocol on resting metabolic rate results. Letter to the Editor for *American Journal of Physical Anthropology*. 169(1): 199-201. (DOI: 10.1002/ajpa.23812).

2019 **Ocobock C**, *Overbeck A, *Carlson C, *Royer C, *Mervenne A, Thurber C, Dugas L, Carlson B, Pontzer H. Sustained high levels of physical activity lead to improved

endurance and performance among "Race Across the USA" athletes. *American Journal of Physical Anthropology*. 168(4): 789-794. (DOI: 10.1002/ajpa.23781).

2017 Howells M, **Ocobock C**, Lynn CD, Jost Robinson C, Woolard K. It's a Dead Man's Party: Integrative Evolutionary Education through Darwin Day. *EvoS Journal*. **7**(1): 132-149.

2017 **Ocobock C**. Body fat attenuates muscle mass catabolism among physically active humans in temperate and cold high altitude environments. *American Journal of Human Biology*. 29(5): e23013.

2016 **Ocobock C**. Human energy expenditure, allocation, and interactions in natural temperate, hot, and cold environments. *American Journal of Physical Anthropology*. 161(4):667-675.

2016 **Ocobock C**. The Allocation and Interaction Model: a new model for predicting total energy expenditure of highly active humans in natural environments. *American Journal of Human Biology.* 28:372-380.

2014 Pohja M, **Ocobock C**, Gookin J. Energy expenditure in the backcountry. *Research in Outdoor Education*. **12**:99-116.

2011 **Ocobock C**, Gookin J, Baynes S. Energy Balance Assessment of Students on a National Outdoor Leadership School Course. *JOREL*. 3(2).

2010 Pontzer H, Raichlen DA, Shumaker RW, **Ocobock** C, Wich SA. Metabolic adaptation for low energy throughput in orangutans. *Proc. Nat Acad. Sci. USA.* 107(32):14048-14052.

2010 Cowgill LW, Warrener A, Pontzer H, **Ocobock** C. Waddling and toddling: the biomechanical effects of an immature gait. *American Journal of Physical Anthropology*. 143(1):52-61.

INVITED CONTRIBUTIONS

2023 Niclou A, Vesi L, Arorae M, Naseri NC, Faasalele Savusa K, Naseri T, Young J, Rivara AC, **Ocobock C**. Indication of mixed glucose and fatty acid use by inferred brown adipose tissue activity in Samoans. Invited as part of the Human Biology Association Plenary Session. *American Journal of Human Biology*. Early View: https://doi.org/10.1002/ajhb.23998

2023 **Ocobock C**. Human Bodies in Extreme Environments. *Annual Review of Anthropology*. Invited. 52: 257-277. https://doi.org/10.1146/annurev-anthro-052721-085858

2023 **Ocobock C**, Niclou A, Sarma M, Levy S (all authors share first authorship equally). To the XTREME! How biological anthropology can inform exercise physiology in extreme environments. *Comparative Biochemistry and Physiology, Part A*. Invited. 284: 1-17. https://doi.org/10.1016/j.cbpa.2023.111476

2023 **Ocobock C.** Human Cold Adaptation: An Unfinished Agenda v2.0. American Journal of Human Biology. Invited as part of the Human Biology Association 2022 Plenary Session. e23937. https://doi.org/10.1002/ajhb.23937

2021 **Ocobock C**. Bingo Chip Evolution Laboratory Activity. In: Wieczkowski, Julie, Susan Maguire, Melanie M. Mayberry, and Lisa Marie Anselmi. Natural Selection Lab. In *Explorations Lab and Activities Manual*. http://explorations.americananthro.org/index.php/lab-and-activities-manual/. CC BY-NC 4.0 License.

2020 **Ocobock C** and Lynn C. How the *Sausage of Science* is Made. *Practicing Anthropology*. 42(2): 55-59.

BOOK CHAPTERS

2023 **Ocobock C** and Hejtmanek KR. "My life was centered around the gym, not a home workout": females demonstrated greater exercise routine flexibility than males during COVID-19 stay at home orders. *Gender and Power in Strength Sport. Strong A(s) F(eminist)*. Eds. NK Brigden, KR Hejtmanek, and MM Forbis. Routledge: Milton Park, UK.

2023 **Ocobock C.** "Be careful, if you lift too heavy your boobs will shrink." *Strong A(s) F(eminist))*. Eds. NK Brigden, KR Hejtmanek, and MM Forbis. *Gender and Power in Strength Sport*. Routledge: Milton Park, UK.

INVITED BOOK REVIEWS

2022 **Ocobock C** and Little M. Legacy Review: *The Biology of Human Adaptability*. *American Journal of Biological Anthropology*. DOI: 10.1002/ajpa.

2021 **Ocobock C**. Exercised: Why something we never evolved to do is healthy and rewarding. Lieberman, Daniel E. *American Journal of Physical Anthropology*. doi.org/10.1002/ajpa.24355.

2015 **Ocobock C.** *Basics in Human Evolution*. Muehlenbein MP ed. *American Journal of Human Biology*. DOI: 10.1002/ajhb.22840.

ARTICLES IN PREPARATION

Ocobock C. and Roseman C. What's Missing from the Study of the Evolution of Human Sex Differences? Evolution. *Proceedings of the National Academy of Sciences*. (Submission planned for December 2023).

BOOKS IN PREPARATION

Ocobock C. *That's What She Said: The Story of Hu(Wo)man Evolution*. Under contract with Princeton University Press. Contract signed May 16, 2022.

MAGAZINE ARTICLES

2024 **Ocobock C**. The Paris 2024 Olympics: A Study in Contrasts. *The Present Tense, American Anthropological Association*. August 3, 2024. https://americananthro.org/present-tense/the-paris-2024-olympics-a-study-in-contrasts/

2023 Lacy S & **Ocobock C**. Forget 'Man the Hunter' – physiological and archaeological evidence rewrites assumptions about a gendered division of labor in prehistoric times. *The Conversation*. November 17, 2023. https://theconversation.com/forget-man-the-hunter-physiological-and-archaeological-evidence-rewrites-assumptions-about-a-gendered-division-of-labor-in-prehistoric-times-214347

2023 Roseman C & **Ocobock C**. To Understand Sex, We Need to Ask the Right Questions. October 24, 2023. https://www.scientificamerican.com/article/to-understand-sex-we-need-to-ask-the-right-questions/

2023 **Ocobock** C & Lacy S. The Theory That Men Evolved to Hunt and Women Evolved to Gather Is Wrong. Scientific American. **329**(4): 22-29. ***Featured Cover Story***. doi:10.1038/scientificamerican1123-22. Additional coverage by: Science Alert, Fox News, Indy 100, Yahoo, RTE, IFL Science, Daily Mail, The Independent, Verve Times,

Wired, Discover Magazine, BBC, Noema Magazine, The Indian Express, Scary Mommy, The Guardian.

2021 **Ocobock C.** Sexism Still Winning at the Olympic Games. *Sapiens*. July 13. https://www.sapiens.org/biology/olympics-sexism-regulations/

2021 **Ocobock C**. Sex in Sport: Men Don't Always Have the Advantage. *Sapiens*. June 10. https://www.sapiens.org/biology/female-male-athletes-differences/

2020 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Herzig K-H, & Lakela KA. Poronhoitajien veriarvot ja ruokavalio (Blood sugar, cholesterol, and diet among Reindeer Herders). *Poromies*. December 2020. 4: 52-54.

2020 Turunen M, Soppela P, **Ocobock C**, & Lakela KA. Millä Keinoin Poronhoitajat Pärjäävät Pakkasessa? (How do reindeer herders cope with harsh winter conditions in northern Finland?). *Poromies*. May 2020. 2:60-63.

2019 **Ocobock C**. Doping epidemic will persist as long as we expect athletes to be superhuman. *The Hill*. December 12. https://thehill.com/opinion/healthcare/474309-doping-epidemic-will-persist-as-long-as-we-expect-athletes-to-be?fbclid=IwAR3AhwMGKCQA1xnVq1wx2cLSv6pmrAGDTLrg8Mzr1Y9YWwFhAjZXvaSbU4c

2019 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Herzig K-H, & Lakela KA. Poronhoitajien lepoaineenvaihdunta ja ruskean rasvan aktivoituminen (Resting metabolic rates and brown adipose tissue activation among reindeer herders). *Poromies*. December 2019. 6:32-35.

2019 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Herzig K-H, & Lakela KA. Poronhoitajien energiankulutus ja fyysinen aktiivisuus erotuksen aikana (Reindeer herders' energy expenditure and physical activity levels during the roundup**)**. *Poromies.* October 2019. 5:21-23.

2019 **Ocobock C.** Sweating Through a Gym's Gender Barriers. *Sapiens*. October 1. https://www.sapiens.org/culture/women-powerlifters/

2017 **Ocobock C.** Higher body fat percentage helps retain muscle mass in physically active humans. *Science Trends*. December 6, 2017. https://sciencetrends.com/higher-body-fat-percentage-helps-retain-muscle-mass-physically-active-humans/

2016 **Ocobock C.** Running Across America. *Anthropology News*. http://www.anthropology-news.org/index.php/2016/08/09/running-across-america/.

EXTERNAL GRANTS

2023 **Cold climate adaptations and human metabolic variation**. National Science Foundation. PI: **Cara Ocobock**, Senior Personnel: Minna Turunen, Païvi Soppela, Karl-Heinz Herzig. (Awarded, $348,000). *Grant award: BCS 2316163*

2023 "**That's What She Said: The Story of Hu(Wo)man Evolution**" Global Equity Grant. Princeton University Press. (*Awarded, $1000*).

2023 **Notre Dame Post-Baccalaureate Research Education Program (ND-PREP)**. National Institutes of Health. PIs: Mary Ann McDowell, Holly Goodson, Nyrée McDonald. **Ocobock** senior personnel. (*Awarded, $1,850,683*). *Grant award*: identifier pending

2022 **Climatic adaptation and the human nose: An experimental investigation in living humans**. National Science Foundation (SBE – Postdoctoral Research Fellowship Program). PI: Elizabeth Cho; Co-PIs: S.D. Maddux, **C. Ocobock**, B. Dennis (*Awarded, $138,000*). *Grant award: 2203808*.

2022 **REU Supplement: Experimental testing of thermoregulatory principles: Re-evaluating ecogeographic rules in living humans**. National Science Foundation - Research Experiences for Undergraduates (REU) program. Funding for UNTHSC Summer Opportunities in Anatomy Research (SOAR) internship. PI: S.D. Maddux; Co-PIs: L.W. Cowgill, **C. Ocobock**, R. Menegaz, Co-Principal Investigators. (*Awarded, $28,000*). *Grant award: 2020715*.

2022 **Seasonal biocultural adaptation of reindeer herders in a cold, but changing climate**. US-Finland Mobility Grant. University of Lapland. (*Awarded*, €2,500).

2021 **'That's What She Said': The Story of Hu(wo)man Evolution**. Princeton University Press Supporting Diverse Voices Book Proposal Development Grant. (*Awarded*: non-monetary grant, proposal writing support provided by writing coach and editorial expertise)

2020 **Making at-home science and representation accessible to low-income students during COVID-19**. The Diverse, Inclusive & Collaborative Expansion Grant. National Science Policy Network, Morgan Widhalm-Munsen, Robert Stanley, Sasha Padilla, **Cara Ocobock**. (*Awarded*, $1,000, 1-year grant).

2020 **Experimental testing of thermoregulatory principles: Re-evaluating ecogeographic rules in living humans**. National Science Foundation. PI: Scott Maddux, Co-PIs: Libby Cowgill and **Cara Ocobock**. (*Awarded*, Total award: $498,995, sub-award: $46,643, 3-year grant). *Grant Award: BCS-2020506.*

2018 **The metabolic cost of living among reindeer herders of the Sápmi region of Finland.** The American Scandinavian Foundation. PI: **Cara Ocobock**, Senior Personnel: Minna Turunen, Païvi Soppela, Terhi Vuolo-Magga. (*Awarded*, $5,000, 1-year grant).

2017 **The metabolic cost of living among reindeer herders of the Sápmi region of Finland.** National Science Foundation High Risk Research in Biological Anthropology and Archaeology. PI: **Cara Ocobock**, Senior Personnel: Minna Turunen, Païvi Soppela, Terhi Vuolo-Magga. (*Awarded*, $35,000, 2-year grant). *Grant Award: 1724819*. Role: PI.

2011 **Measuring and predicting daily energy expenditure of highly active humans in natural environments.** Leakey Foundation Grantee for dissertation project. PI: Cara Ocobock, Co-PI: Herman Pontzer. (*Awarded*, $10,776, 2-year grant).

EXTERNAL GRANTS AWARDED TO MENTEES @ with graduate student

2020 **Cold adaptation in a tropical sample? Measuring the metabolic cost of BAT thermogenesis and its association with blood glucose in Samoa** Wenner Gren Foundation. PI: @Alexandra Niclou, Supervisor: Cara Ocobock. (*Awarded*, $10,173, 2-year grant).

2020 **Rowing hot and cold: The effects of increased physical activity on metabolic rate and thermoregulation among a sedentary tropical sample**. National Science Foundation Dissertation Research Improvement Grant. PI: @Alexandra Niclou, Co-PI: Cara Ocobock. (*Awarded*, $26,476, 2-year grant). *Grant Award: 203863*.

2018 **Acclimating to the extreme: energy expenditure, neuroendocrine systems, and social dynamics in novel/challenging environments**. National Science Foundation Dissertation Research Improvement Grant. PI: @Mallika Sarma, Co-PIs: Lee Gettler & Cara Ocobock. (*Awarded*, $3,000, 2-year grant). *Grant Award: 1847850*.

INTERNAL GRANTS

2022 University of Notre Dame, Institute for Scholarship in the Liberal Arts Small Conference Grant. **Biocultural Resilience in a changing Arctic**. ($3,000).
2020 University of Notre Dame, Center for Social Concerns Impact Grant, **Making at-home science and representation accessible to low-income students during COVID-19** ($5,500).
2020 University of Notre Dame, Institute for Scholarship in the Liberal Arts Large Henkles Conference Grant. **Strong A(s) F(eminist)**. ($15,000).
2019 University of Notre Dame, Institute for Scholarship in the Liberal Arts Small Conference Grant. **First, Tattoo Your Mouth: Biocultural Resilience through Tattooing**. ($3,000).
2018 University at Albany Initiatives for Women Program ($1,000).
2017 University at Albany Faculty Research Awards Program ($4,000).
2015 Grand Valley State University Engaging Undergraduate Students in Scholarship Supplemental Startup Funds ($1,000).
2015 Grand Valley State University Catalyst Grant ($3,000).
2015 Grand Valley State University Early Career Stipend Grant ($3,000).
2014 Grand Valley State University Dissemination Grant ($750).
2013 Washington University in St. Louis Anthropology Department Summer Writing Funding ($2,000).
2010 Washington University in St. Louis Anthropology Department Summer Research Grant ($3,000).
2009 Washington University in St. Louis Anthropology Department Summer Writing Funding ($2,500).
2008 Washington University in St. Louis Anthropology Department Summer Research Grant ($2,500).

CONFERENCE PRESENTATIONS (* with undergraduate student, @ with graduate student)

Ward L, Maddux S, Cowgill L, **Ocobock C**, Cho E. Experimentally assessing associations between Nasal Morphology, Climate, and Minute Ventilation. American Association of Biological Anthropologists.

Tran B, Ward L, Reif A, Boettger C, Cowgill L, **Ocobock C**, Cho E, Maddux S. Experimentally Re-evaluating Respiratory Contributions to Total Body Heat Loss. American Association of Biological Anthropologists.

Cowgill L, Hoskins M, **Ocobock C**, Cho E, Maddux S. Does body surface area predict core temperature change? Preliminary results from four climatic exposures. Human Biology Association.

Sarma M, **Ocobock C**, Rochelle S, Martin S, Gettler L. Cortisol and testosterone dynamics differ between men and women when acclimatizing to novel and challenging environments. Human Biology Association

2024 Goodstein M*, Reif A*, Ward L, Cho E, **Ocobock C**, Cowgill L, Maddux S. Quantifying human body surface area: a comparison of photogrammetry and CT scanning to estimation techniques. Presented at the American Association of Biological Anthropologists. Poster. March 20-23.

2024 Reif A*, Goodstein M*, Ward L, Cho E, **Ocobock C**, Cowgill L, Maddux S. Variation in body composition in relation to evolutionary models of human thermoregulation. Presented at the American Association of Biological Anthropologists. Poster. March 20-23.

2024 **Ocobock C** & Natterson-Horowitz B. The 9+ month marathon: how pregnancy may have shaped human endurance capacities. Presented at the American Association of Biological Anthropologists. Poster. March 20-23.

2024 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Walkowiak J, Herzig K-H. Higher resting metabolism associated with increased free thyroxine among female reindeer herders in Northern Finland. Presented at the Human Biology Association. Podium Talk. March 20-23

2024 Lynn C, Manthey C, **Ocobock C**. The value of publicly engaged podcasting in Human Biology. Presented at the Human Biology Association. Poster. March 20-23.

2023 Lewellyn HFM, Lynn CD, **Ocobock, C**. The Sausage of Science Podcast Increases Views of Articles in American Journal of Human Biology. Presented at the Human Biology Association. Poster. April 18-20.

2023 Niclou A, Greenwald A, **Ocobock C**. The value of women's work: comparing energetic costs of postpartum acorn foraging methods. Presented at the Human Biology Association. Poster. April 18-20.

2023 Best AW, McGrosky A, Swanson Z, Rimbach R, McConaughy J, **Ocobock C**, Pontzer H. The sky's not the limit: Ultrarunners and the metabolic ceiling. Presented at American Association of Biological Anthropology. Poster. April 20-24.

2023 Greenwald A, Niclou A, Kievman H, Baka A, Baide AJ, **Ocobock C**. The costs of women's work: maternal foraging energetics in an acorn subsistence economy. Presented at American Association of Biological Anthropology. Podium Presentation. April 20-24.

2022 Niclou A, Levy S, **Ocobock C**. The BAT-Signal: How anthropological perspectives benefit brown adipose tissue research. Presented at the Annual American Anthropology Association Meeting, November 9-13. Seattle, WA. (Invited Podium).

2022 Niclou A, Vesi L, Arorae M, Naseri NC, Savusa KF, Naseri T, DeLany JP, McGarvey ST, Rivara AC, Hawley NL, **Ocobock C.** Inferring Metabolic Effects of Brown Adipose Tissue Activity in Samoans. Recent Advances & Controversies in the Measurement of Energy Metabolism (RACMEM) Conference. October 6-10.

2022 Niclou A, Vesi L, Arorae M, Naseri NC, Savusa KF, Naseri T, DeLany JP, McGarvey ST, Rivara AC, Hawley NL, **Ocobock C.** Brown Adipose Tissue is Metabolically Activated at Wide Temperature Range in Samoans. Duke University Energetics in Anthropology Workshop, May 2-3, 2022.

2022 Sarma M, **Ocobock C**, Rochelle S, Martin S, Gettler LT. Energy expenditure and neuroendocrine response when acclimatizing to novel and challenging environments. Duke University Energetics in Anthropology Workshop, May 2-3, 2022.

2022 **Ocobock C** and Lacy S. (Wo)man the Hunter: The Physiological Evidence Ignored. American Association of Biological Anthropology. Podium Presentation. March 23-March 27.

2022 Lacy S and **Ocobock C**. (Wo)man the Hunter: The Archaeological Evidence Ignored. American Association of Biological Anthropology. Podium Presentation. March 23-March 27.

2022 @Niclou A, Vesi L, Arorae M, Naseri NC, Savusa KF, Naseri T, DeLany JP, McGarvey ST, Rivara AC, Hawley NL, **Ocobock C**. When the cold gets under your skin: The effects and role of brown adipose tissue activity in Samoans. American Association of Biological Anthropology. Podium Presentation. March 23-March 27.

2022 Cowgill L, Maddux S, **Ocobock C**. Revisiting the thermoregulatory imperative in living humans. American Association of Biological Anthropology. Invited Poster. March 23-March 27.

2022 @Niclou A, Vesi L, Arorae M, Naseri NC, Savusa KF, Naseri T, DeLany JP, McGarvey ST, Rivara AC, Hawley NL, **Ocobock C**. Human Biologists for New Approaches to Metabolic Health: How anthropological perspectives contribute to our understanding of obesity and health. Human Biology Association. Inivted Plenary Session Talk. March 22-March 24.

2022 **Ocobock C**, Soppela P, Turunen M. "Nothing burns like the cold:" Human biocultural adaptations to extreme cold. Human Biology Association. Invited Plenary Session Talk. March 22-March 24.

2021 @Niclou AM & **Ocobock C**. Neanderthal cold adaptation: insights from seasonal patterns of brown adipose tissue activity in humans. American Association of Physical Anthropology. Presentation. Virtual Meeting, April 7-28.

2021 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Herzig KH, Rimbach R, Pontzer H. Reindeer herders from northern Finland exhibit high total energy expenditure but low caloric intake during the annual herd round up. American Association of Physical Anthropology. Presentation. Virtual Meeting, April 7-28.

2021 Sarma MS, **Ocobock C**, Rochelle S, Martin S, Gettler LT. Social support, perceived stress, resilience and cortisol response when acclimating to novel and challenging environments. Human Biology Association. Poster. Virtual Meeting, March 29-April 2.

2021 @Niclou AM & **Ocobock C**. Seasonal acclimatization of BAT activity through increased metabolic efficiency and glucose utilization in the winter. Human Biology Association. Poster. Virtual Meeting, March 29-April 2.

2021 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Herzig KH, Rimbach R, Pontzer H. Biocultural strategies among reindeer herders for coping with a cold, rapidly changing Arctic. Human Biology Association. Poster. Virtual Meeting, March 29-April 2.

2021 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Herzig KH. Niche construction among reindeer herders coping with a rapidly changing Arctic. American Association for the Advancement of Science. Presentation. Virtual Meeting, February 8-11.

2020 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Herzig KH. Elevated resting metabolic rates among female, but not male, reindeer herders from sub-arctic Finland. Podium Presentation. Human Biology Association. Los Angeles, CA. *Cancelled due to COVID19*.

2020 **Ocobock C**, Soppela P, Turunen M, Stenbäck V, Herzig KH. Evidence for brown adipose tissue activation among male and female reindeer herders from sub-arctic Finland. Podium Presentation. American Association for Biological Anthropologists. Los Angeles, CA. *Cancelled due to COVID19*.

2020 @Niclou A and **Ocobock C**. Cold adaptations in the tropics? Evidence for undertaking a study on BAT activity in Polynesian samples. Poster presentation. American Association for Biological Anthropologists. Los Angeles, CA. *Cancelled due to COVID19*.

2020 @Niclou A and **Ocobock C**. Seasonal patterns of BAT activity imply metabolic buffering and role in human cold adaptation. Poster presentation. Human Biology Association. Los Angeles, CA. *Cancelled due to COVID19*.

2020 @Kelly AP, **Ocobock C**, Maddux SD. Being Nose-y: Dissecting out the influences of climate and energetics on human nasal anatomy. American Association for Biological Anthropologists. Los Angeles, CA. *Cancelled due to COVID19*.

2020 @Sarma MS, **Ocobock CJ**, Rochelle S, Martin S, Gettler LT. Changes in body composition during short-term acclimatization to highly challenging environments. American Association for Biological Anthropologists. Los Angeles, CA. *Cancelled due to COVID19*.

2020 @Sarma MS, **Ocobock CJ**, Rochelle S, Martin S, Gettler LT. Social support and cortisol response when acclimating to novel and challenging environments. Human Biology Association. Los Angeles, CA. *Cancelled due to COVID19*.

2020 Kirgios VS, @Sarma MS, Rochelle S, Martin S, Musema JP, **Ocobock CJ**, Gettler LT. Sex differences in received social support and health outcomes in extreme conditions. Human Biology Association. Los Angeles, CA. *Cancelled due to COVID19*.

2020 Musema JP, @Sarma MS, Rochelle S, Martin S, Kirgios VS, **Ocobock CJ**, Gettler LT. Minimal daily heart rate during acclimatization to extreme conditions: individual differences during a multi-month Rocky Mountain wilderness expedition. Human Biology Association. Los Angeles, CA. *Cancelled due to COVID19*.

2020 Oyama S, Arslanian KJ, Levy SB, **Ocobock CJ**, Duckham RL, Fidow UT, Naseri T, Hawley NL. Feasibility of thermal imaging Samoan infants to measure brown adipose tissue activity. Human Biology Association. Los Angeles, CA. *Cancelled due to COVID19*.

2020 Berke, S.K., Sands, E., **Ocobock, C**., Hallstrom, K., Fisher, E.S. Standing up for science: advocacy in an age of science denial. Benthic Ecology Meeting, Wilmington NC. *Cancelled due to COVID19*.

2020 @Sarma, MS, **Ocobock, CJ**, Gettler, LT. 2020. Group dynamics, cortisol stress response, and resilience during extended expeditions in an analog environment. Poster. NASA's Human Research Program Investigator's Workshop. Galveston, TX.

2019 **Ocobock C**, @Sarma M, Lynn C, Gettler L. "Yes, and…" How performing improvisational comedy reduces stress and promotes well-being. Human Biology Association. Cleveland, OH.

2019 @Niclou A and **Ocobock C**. Variability in activation rates and energy expenditure of brown adipose tissue in a diverse population. Human Biology Association. Cleveland, OH.

2019 **Ocobock C** and @Niclou A. Neanderthal thermoregulation: old ideas and new. American Association of Physical Anthropologists. Cleveland, OH

2019 @Sarma, M, **Ocobock C**, Gettler L. Sex differences in body composition, physical activity, and total energy expenditure when in a challenging and novel environment. Women in Space Conference. Toronto, Canada.

2019 @Sarma, M, **Ocobock C**, Gettler L. Total energy expenditure and social context and dynamics in extreme environments. NASA Human Research Program Investigators' Workshop. Galveston, TX.

2018 *Puckett T, @Sarma M, Gettler L, Lynn C, **Ocobock C**. Improvisational comedy performance as "collective effervescence" reduces anxiety and promotes well-being. American Anthropological Association. San Jose, CA.

2018 @Sarma M, **Ocobock C**, Gettler L. Energy expenditure and social/group dynamics in extreme environments. American Society for Gravitational and Space Research. Bethesda, MA.

2017 **Ocobock C**, *Overbeck A, *Carlson C, *Royer C, *Mervenne A, Thurber C, Dugas L, Carlson B, Pontzer H. Sustained high levels of physical activity lead to improved endurance and performance among "Race Across the USA" athletes. Human Biology Association.

2017 **Ocobock C.** Science and beer…what could go wrong? South Eastern Evolutionary Perspectives Society.

2016 **Ocobock C.** Body fat protects against muscle mass loss in physically active humans at high altitude temperate and cold environments. Human Biology Association.

2016 Thurber C, Carlson B**, Ocobock C**, Dugas L, Pontzer H. Metabolic limits and adaptation in humans: daily energy expenditure in Race Across the USA athletes. American Association of Physical Anthropologists.

2015 **Ocobock C.** Feeding the machine: caloric intake and output during strenuous backcountry expeditions. Human Biology Association.

2015 **Ocobock C.** Walking for warmth: a reassessment of Neanderthal locomotor inefficiency. American Association of Physical Anthropologists, S35, 13.

2014 **Ocobock C.** The allocation model: a new model for predicting total energy expenditure of highly active humans in natural environments. Human Biology Association

2014 **Ocobock C.** The importance of activity in cold climates: using the allocation model to examine energy expenditure differences of highly active humans in natural environments. American Association of Physical Anthropologists.

2013 **Ocobock C,** Pontzer H, Gookin J, Baynes S. Measuring and predicting daily energy expenditure of highly active humans in natural environments. American Association of Physical Anthropologists. S35.

2011 **Ocobock C,** Pontzer H, Gookin J, Baynes S. Daily energy expenditure in highly active humans in a natural temperate environment. American Association of Physical Anthropologists. S15.

2011 **Ocobock C,** Pontzer H, Gookin J, Baynes S. A new multivariate model for predicting daily energy expenditure in active human populations. Society for Comparative and Integrative Biology Meetings. 67.6.

2010 **Ocobock C**, Pontzer H, Erez T, Maki J. Climatic and physiological constraints on human body size and shape. AAPA Meetings. AJPA. S33.

2009 Pontzer H, **Ocobock C**, Shumaker RW, Raichlen DA. Daily energy expenditure in orangutans measured using doubly labeled water. AAPA Meetings. *AJPA*. S48, 213.

2009 Wittman AB, Cowgill LW, Pontzer H, **Ocobock C**. Waddling and toddling: biomechanical effects of an immature gait. AAPA Meetings. *AJPA*. S48, 93.

2009 **Ocobock C**, Pontzer H, Atkinson E, Shumaker RW, Wittman AB. Locomotor developmental timing in humans and other apes. AAPA Meetings. *AJPA.* S48, 201.

2009 **Ocobock C**, Pontzer H, Maki J. Modification of limb inertial properties leads to persistent changes in neural control of walking in humans. Soc. Integ. Comp. Biol. Meetings.

CONFERENCES AND CONFERENCE SESSIONS ORGANIZED

2023 Ocobock C. Science Communication Workshop. *Juan Comas Congress*. Universidad Nacional Autónoma de México & Asociación Mexicana de Antropología Biológica, Mexico City, Mexico. November 13, 2023.

2021 **Ocobock C**. Bringing Truth to a Post-Truth World: how anthropologists engage and assess their science communication. Round Table organizer and discussant for the Annual Meeting of the American Anthropological Association.

2021 **Strong A(s) F(eminist)**. Strength sports and gender conference. University of Notre Dame. October 25-27. Organizer and participant.

2021 **Ocobock C**. Human Niche Construction Theory: A Lens to Analyze Ongoing Climate Change. Organized and moderated session for the Annual Meeting of the American Association for the Advancement of Science. Virtual conference, February 8-11.

2020 Lynn C and **Ocobock C**. Keys to Successful Podcasting. Organized workshop for the Annual Meeting of the American Association for the Advancement of Science. Seattle, WA, February 13-16.

INVITED TALKS

2024 "Fit, Fat…and Cold? Potential Evolutionary and Environmental Drivers of Metabolically Healthy Obesity". Virginia Tech University. March 28, 2024.

2024 Woman the Hunter. University of Minnesota. February 12, 2024.

2024 Woman the Hunter. United Therapeutics. January 23, 2023.

2023 "Fit, Fat, and Cold: What humans in extreme conditions can teach us about health". *Juan Comas Congress*. Universidad Nacional Autónoma de México & Asociación Mexicana de Antropología Biológica, Mexico City, Mexico. November 10, 2023. **Keynote Address.**

2023 Woman the Hunter: The Physiological Evidence. Leakey Foundation Science Lunch Break. September 21.

2023 "The Cold never Bothered My Anyway": How reindeer herders of sub-Arctic Finland bioculturally cope with the cold. Northwestern University Department of Anthropology. May 8.

2023 "Where we are going in sports…let science lead the way" *University of Notre Dame Hesburgh Lecture Series*. Gettysburg, Pennsylvania. April 27.

2023 "Fit, Fat, and Cold: What humans in extreme conditions can teach us about health". Annual Meeting of International Medical Students. Lisbon, Portugal. April 13.

2023 "Fit, Fat…and Cold? Potential Evolutionary and Environmental Drivers of Metabolically Healthy Obesity". University of Kent, Department of Anthropology. March 28.

2022 "Fit, Fat…and Cold? Potential Evolutionary and Environmental Drivers of Metabolically Healthy Obesity". Yale University Department of Anthropology. November 10.

2022 "The Cold never Bothered My Anyway": How reindeer herders of sub-Arctic Finland bioculturally cope with the cold. University of Lapland, Arctic Centre. October 20.

2022 "Where we are going in sports…let science lead the way" *University of Notre Dame Hesburgh Lecture Series*. Hartford, Connecticut. October 6.

2022 "Fit, Fat…and Cold? Potential Evolutionary and Environmental Drivers of Metabolically Healthy Obesity". *International Congress on Physiological Anthropology*. University of Oregon: Eugene, OR. September 15-17, 2022. https://www.youtube.com/watch?v=_RGA1cP25iA

2022 "Physiological cold climate adaptations among reindeer herders from sub-Arctic Finland". *Duke University Energetics in Anthropology Workshop*. May 2-3, 2022
2022 "Sharing with the Public & Getting the Academy to Count It". *American Association of Biological Anthropologists*. #Hackdemics Webinar Series. Moderator.
2022 "The Cold Never Bothered Me Anyway": How Reindeer Herders of Sub-Arctic Finland Bioculturally Cope with the Cold. *University of Alabama ALLELE* (Alabama Lectures on Life's Evolution) seminar series.
2022 "The Cold Never Bothered Me Anyway": How Reindeer Herders of Sub-Arctic Finland Bioculturally Cope with the Cold. Rutgers University *Center for Human Evolutionary Studies*.
2022 "On Mentoring & Un-Teaching in Anthropology". *American Association of Biological Anthropologists*. #Hackdemics Webinar Series. Moderator and Panelist.
2021 Mountains, Deserts, and Blizzards, oh my! How humans survive in extreme environments. Human Origins Today topic series. *Smithsonian National Museum of Natural History*. https://humanorigins.si.edu/about/events/hot-human-origins-today-topic-how-humans-survive-extreme-environments-online
2021 Physiological & cultural strategies among reindeer herders for coping with a cold, rapidly changing Arctic. Department of Biology Seminar Series. *University of Notre Dame*.
2020 "Where We're Going: Sports". *University of Notre Dame*. https://think.nd.edu/bq/wwg-2/
2020 "AAPA - Tips & tricks for remote teaching in biological anthropology". *American Association of Physical Anthropologists*.
2019 Importance of Broader Impacts. NSF Broader Impacts Workshop. *American Association of Physical Anthropologists*.
2018 Physiological and behavioral mechanisms for inhabiting a range of high altitude climates. *University of North Texas*.
2018 Physiological and behavioral mechanisms for inhabiting a range of high altitude climates. *University of Missouri*.
2018 Physiological and behavioral mechanisms for inhabiting a range of high altitude climates. *University of Tennessee, Knoxville*.
2017 Physiological and behavioral mechanisms for inhabiting a range of high altitude climates. *Kauffman Endowment for Excellence Seminar Speaker Series. University of Notre Dame.*
2017 Baculum to the Future: Make America Brachiate Again. *Southeastern Evolutionary Perspectives Society.*
2016 Physiological and behavioral mechanisms for inhabiting a range of high altitude climates. *Program in Ecology, Evolution, and Conservation Biology. University of Illinois Champaign-Urbana*.
2016 Enduring the extreme: how to not die in the wild. *Grand Traverse Humanists*
2015 Enduring the extreme: how to not die in the wild. *Center for Inquiry Michigan*
2015 Enduring the extreme: behavioral and physiological mechanisms for inhabiting a range of high altitude climates. *Robert B. Annis Water Resource Institute, Seminar Series.*
2015 Energy expenditure at the extremes: how we measure it and why we should care. *Duke University, Department of Evolutionary Anthropology*
2015 Flirtation, Fertilization, and Frustration: a peep into animal sex. *Science on Tap Grand Rapids*

TEACHING

Instructor of Record, Department of Anthropology, University of Notre Dame

Blood, Guts, & Glory: The Anthropology of Sports	Fall 2020-Present
Fundamentals of Biological Anthropology	Fall 2019-Present
Humans at the Extremes University Seminar	Spring 2020-Present
Exercise Physiology	Spring 2022-Present
Weight…What? The Anthropology of Obesity	Fall 2023
"That's What She Said": The Story of Hu(Wo)man Evolution	Spring 2024

Instructor of Record, Department of Anthropology, University at Albany, SUNY

Human Energetics Graduate Seminar	Fall 2018
Exercise Physiology	Spring 2017-2019
Humans at the Extremes	Fall 2016-2019
Human Biomechanics	Fall 2017
Evolutionary Medicine Graduate Seminar	Spring 2017

Instructor of Record, Biomedical Sciences Department, Grand Valley State University

Human Anatomy	Fall 2014-Winter 2016
Human Anatomy Laboratory	Fall 2014-Winter 2016
Regional Anatomy	Winter 2016

Instructor of Record, Anthropology Department, Washington University, St. Louis

Introduction to Human Evolution	Spring 2014

Students Supervised

Ph.D Dissertation Advisee (University of Notre Dame)
Alexandra Niclou, Notre Dame, completed May 2022
Mallika Sarma, Notre Dame, completed May 2020

Ph.D. Committees (Other Institutions)
Alexa Kelly (University of North Texas), completed April 2023
Olalla Prado (National Center for Research on Human Evolution), completed June 2021
Vince Battista (University of Michigan), in progress, expected completion August 2021

MA Thesis Advisee (University of Notre Dame)
Dan McElreavy, in progress

MA Thesis Advisee (University at Albany)
Venus Lliguicota, completed May 2019

Undergraduate Honors Thesis (*) or Capstone Advisee (@) (University of Notre Dame)
Lilly Callahan (@), *Athlete to Human: Understanding identity transitions among former collegiate athletes*. Sports, Media, and Culture Minor Capstone. Completed Spring 2024
Madison Chambers (*), *College undergraduate understanding of amenorrhea*. Psychology Honors Thesis. In progress.

Undergraduate Honors Thesis Advisee (University at Albany)
Kelsey Briddell, *Energetics Among Collegiate Cross-Country Runners*, Spring 2018
Adelaide Cooke, *Body Composition of Female Colligate Track and Field Athletes*, Spring 2020

Undergraduate Honors Thesis Advisee (Grand Valley State University)
Karyn Schmaltz, *Energetics among collegiate ice hockey players*, Spring 2016

Undergraduate Research Assistants Non-Thesis (University of Notre Dame)

Morgan Zepf	Catherine Priestly
Ashton Weber	Gregory Connors
Isabella Cardamone	Priscilla Angkasa
Chace Moncrief	Katherine Schepke
Emma Sanders	Chanelly Diaz
Thomas Moldonado	Olivia Gyapong (Mizzou)
Victoria Caruso	George Xu
Brandon Ung	Matt Tecson
Luke Nelson	Natalie Cox
Louis Cornet	Margaret Gardner
Jac Compton	Jacob Shawwa

Undergraduate Research Assistants Non-Thesis (University at Albany)

Deepali Haldar	Anthony Savasta
Alli Harney	Samantha Shaiman
Jessica Jarret	Hana Turner
Vlad Myshchuk	Gracelyn Young
Jason Sanabria	

Undergraduate Research Assistants Non-Thesis (Grand Valley State University)

Aaron Overbeck	Christopher Royer
Clare Carlson	Alexander Mervenne

PROFESSIONAL SERVICE (Departmental)

Fall 2022	Search committee member, Department of Anthropology senior hire
2021-Present	Graduate Student Committee, Department of Anthropology, University of Notre Dame
2020-Present	Curriculum Committee, Department of Anthropology, University of Notre Dame
2020-2021	Pedagogy Committee, Department of Anthropology, University of Notre Dame
2020-2021	Speaker Series Committee, Department of Anthropology, University of Notre Dame
January 2020	Science Communication Workshop, Department of Anthropology, University of Notre Dame.
2017-2019	Seminar Speaker Series Coordinator, Department of Anthropology, University at Albany, SUNY
2016-2019	Women of Anthropology Unite!, University at Albany, SUNY

2014	Teaching Circle, Grand Valley State University. Focus on case study based learning.
2014	Seminars Committee, Grand Valley State University Biomedical Sciences Department
2008-2012	Capitan, coach and manager of the Washington University in St. Louis Anthropology Department IM Softball Team, Australo-HIT-ecus

PROFESSIONAL SERVICE (School & College)

February 2022	Guest Speaker for the University of Notre Dame Health and Fitness Club
2019-Present	Sci Com Workshop, Leadership Advancing Socially Engaged Research (LASER), University of Notre Dame Graduate School
2021 - Present	Media Training & Telling Science Stories Workshop, GLOBES, University of Notre Dame
May 2021-Present	Sports, Media, and Culture Minor Steering Committee
March 2021-Present	Gender Studies Steering Committee
May 2020	Operational Review Committee
February 2020	Media Training & Telling Science Stories Workshop, Science Policy Initiative, University of Notre Dame
January 2020	Sci Com Workshop, Leadership Advancing Socially Engaged Research, University of Notre Dame Graduate School
October 2019	Guest Speaker, The Pre-Professional Society, University of Notre Dame
September 2019	Sci Com Workshop, Science Policy Initiative, University of Notre Dame
April 2019	Sci Com Workshop, Women in Science and Health, University at Albany
April 2018	Sci Com Workshop, Women in Science and Health, University at Albany
February 2018	Moderator for the Women in Science and Health "Careers in Science Panel Discussion", University at Albany, SUNY
November 2017	Panelist for Women in Science and Health discussion: "Women and Underrepresented Minorities in STEM: Challenges and Opportunities", University at Albany, SUNY
2016-Present	Women in Science and Health (WISH), Steering committee, University at Albany, SUNY
2015-2016	Faculty Fellow for the Women in Science and Engineering living learning community, Grand Valley State University
2015-2016	Founder, Coordinator of Darwin Day on the Grand Valley State University Campus: http://www.gvsu.edu/darwinday/
2014	Teaching Circle, Grand Valley State University. Focus on case study based learning.

PROFESSIONAL SERVICE (University)

2023	Panelist for ND Energy discussion, *The Challenges of Moon Colonization*. September 11.
2023	University of Notre Dame First Lecture Speaker
2024-Presnt	Chair, University of Notre Dame Faculty Board on Athletics, Student Welfare subcommittee
2022-Present	University of Notre Dame Faculty Board on Athletics, Student Welfare subcommittee

2022-Present	University of Notre Dame Faculty Board on Athletics, faculty liaison for Women's Golf and Baseball
2022-Present	University of Notre Dame Faculty Board on Athletics
2022-Present	University of Notre Dame Hesburgh Lecture Series Speaker
2022-Present	Notre GainZ Powerlifting Club, faculty mentor/advisor/coach
2022	Search committee member for Human Performance Director, University of Notre Dame Athletics
April 2020	ND Day guest speaker
October 2020	Panelist for "Where we are going with sports", ThinkND Alumni Association Series, University of Notre Dame: https://think.nd.edu/bq/wwg-2-1/
November 2019	Guest Speaker for AWIS STEM Luncheon Series: https://awis.nd.edu/professional.html#lunch
2019-Present	Advisory Board Member, Science Policy Initiative, University of Notre Dame
2017-2019	United University Professions Faculty Delegate
2017-2018	Alan Alda Center for Communicating Science Training
May 2017	Marching Faculty Member, University Undergraduate Graduation Ceremony, University at Albany, SUNY
May 2016	Marching Faculty Member, University Undergraduate Graduation Ceremony, Grand Valley State University
May 2015	Marching Faculty Member, University Undergraduate Graduation Ceremony, Grand Valley State University

PROFESSIONAL SERVICE (Discipline)

2024-Present	Public Relations Chait, Human Biology Association
2022-Present	*Ad Hoc* Reviewer, *Scientific Reports*
2022-Present	*Ad Hoc* Reviewer, *Frontiers in Nutrition*
2021-Present	*Ad Hoc* Reviewer, *Adaptive Human Behavior and Physiology*
2020-Present	Program Committee, American Association of Biological Anthropologists
2020-Present	Mentor, Community Building and Networking Program, Human Biology Association
2020-Present	Editorial Board, *American Journal of Human Biology*
2020-Present	Assistant Editor, *Anthropology News*
No Date	National Science Foundation Grant Review Panel, date withheld for anonymity
2019	Program Committee, Human Biology Association
2019-Present	*Ad Hoc* Reviewer, *Evolution, Medicine, and Public Health*
2019-2021	Nominations and Elections Committee, Human Biology Association
2017-Present	*Sausage of Science* – Human Biology Association & *American Journal of Human Biology Podcast* co-creator and co-host. https://www.humbio.org/podcasts/
2016-Present	Public Relations Committee, Human Biology Association
2018-Present	*Ad Hoc* Reviewer, *Human Evolutionary Sciences*
2018-Present	*Ad Hoc* Reviewer, *Peer J*
2015-Present	*Ad Hoc* Reviewer, *American Journal of Human Biology*

2015-Present	*Ad Hoc* Reviewer, *Journal of Human Evolution*
2015-Present	*Ad Hoc* Reviewer, *American Journal of Physical Anthropology*
2015-Present	*Ad Hoc* Reviewer, *American Journal of Clinical Nutrition*

PROFESSIONAL SERVICE (Community)

2021-2022	Science Alive – St. Joseph County Public Library – organized and ran "Meet Women in STEM" panel discussion.
2021	Science Alive – St. Joseph County Public Library month long science event. I secured funds to make grab-and-go experiment bags to hand out to children.
2020-Present	Ruby's Laboratory Manual, raised funds in collaboration with the Science Policy Initiative group at University of Notre Dame to provide science experiment instructions and supplies to children at St. Adalbert's school. Funds also raised with the Center for Social Concerns and St. Joseph County Public Library to produce smaller kits.
2019	Guest speaker for Research Uncorked: https://ndworks.nd.edu/news/research-uncorked-series-brings-a-casual-vibe-to-world-class-scholarship-2/
2019-Present	Faculty advisor for Science Policy Initiative, University of Notre Dame
2018	Organizer for the Albany March for Science, sister march to the National March for Science
2017-2019	Co-founder and President-Elect for CapSci – science outreach organization for the Capital Region of New York
2017-2019	Coordinator for Two Scientists Walk into a Bar Capital Region
2017-2019	Founder, Coordinator, and Moderator of Science on Tap Capital Region: Monthly seminar aimed at engaging the public in scientific discourse
2015	Biological Anthropology Developing Investigators Troop (BANDIT) blog contributor
2015-2016	Association for Women in Science, West Michigan – core member
2014-2016	Founder, Coordinator, and Moderator of Science on Tap, Grand Rapids: Monthly seminar aimed at engaging the public in scientific discourse
2008-09	Professional Development Speaker, MySci Science Education Program
2009	Guest Speaker, City Garden Montessori Charter School
2009	Judge, St. Louis Area Science Fair

PROFESSIONAL AFFILIATIONS

Association of Women in Science Notre Dame Chapter
International Arctic Social Sciences Association
Human Biology Association
American Association of Physical Anthropology
American Anthropological Association
American Association for the Advancement of Science
South Eastern Evolutionary Perspectives Society
International Society for Evolution, Medicine, and Public Health
Association of Women in Science West Michigan Chapter

FILM

Watson, Emma. (2020) *Walking* in "Babies." Netflix.

MEDIA COVERAGE

Did Neanderthals wear clothes? *Live* Science. October 4, 2024. Written by Dr. Kristina Killgrove. https://www.livescience.com/archaeology/did-neanderthals-wear-clothes

Humans at extremes: biological underpinnings of our evolution. *Degrees of Health*. January 31, 2024. https://www.youtube.com/@degreesofhealth

Against Female the Gatherer with Dr. Cara Ocobock. *Uncivilized Podcast*. January 29, 2024. https://www.youtube.com/watch?v=y8-zNHm7gKQ&t=1s

How your body adapts to extreme cold: scientists are finding a dynamic story in human physiology linked to frigid temperatures – a story that climate change may rewrite. *Wired*. January 6, 2024. Written by Max Levy. https://www.wired.com/story/how-your-body-adapts-to-extreme-cold/

Women Were Also Skilled Hunters in Ancient Times. *Science Friday*. Interviewed by Ira Flatow. December 1, 2023. https://www.sciencefriday.com/segments/prehistoric-women-hunters/.

Woman the Hunter. BBC Woman's Hour. November 29, 2023.

La teoria secondo cui l'oumo andava a caccia e la donna si occupara della casa ha fatto il suo tempo lo rivelano alcune giovani studiose, mostrando come la storia sia una questione di punti di vista (The theory according to which the man went hunting and the woman took care of the house has had its day, as revealed by young scholars, showing how history is a question of points of view). *Specchio*. Written by Simonetta Sciandivasci and Andrea Marcolongo. November 12, 2023. Issue 141. **Cover Story**.

Did men evolve to hunt and women to gather? *On Humans* podcast. November 9, 2023. https://open.spotify.com/episode/7l5ViaweGUhiH87QQjqKIp

Hartnäckiger Mythos: Mannist Jäger und Frau Sammlerin (Persistent myth: Man is hunter and woman is gatherer). *Deutschlandfunk Nova*. November 8, 2023. https://www.deutschlandfunknova.de/beitrag/archaeologie-hartnaeckiger-mythos-mann-ist-jaeger-und-frau-sammlerin

Woman the Hunter with Dr. Ocobock and Doctor Lacy. *Anthropotamus* podcast. November 4, 2023. https://www.youtube.com/watch?v=_Zcp5FYgmEs

Woman the Hunter: WashU alums collaborate to challenge gender stereotypes of early humans. *The Ampersand*. Written by Chris Woolston. November 2, 2023. https://artsci.wustl.edu/ampersand/woman-hunter-washu-alums-collaborate-challenge-gender-stereotypes-early-humans-0

"La donna è cacciatrice". La lezione di parità dell'uomo preistorico ("The woman is the hunter". The lesson of equality of prehistoric man). *La Repubblica*. October 21, 2023.

Prehistory: the roles of "men hunters" and "women gatherers" once again called into question by a study. *GEO*. October 23, 2023. Written by Mathilde Ragot. https://www.geo.fr/histoire/prehistoire-les-roles-des-hommes-chasseurs-et-des-femmes-cueilleuses-a-nouveau-remis-en-question-par-une-etude-217221

Woman the Hunter. *University of Delaware Daily*. October 17, 2023. Written by Hulary Douwes. https://www.udel.edu/udaily/2023/october/sarah-lacy-woman-the-hunter-anthropology/

Woman the hunter as told by Sarah Lacy and Cara Ocobock. *Sausage of Science*. Episode 198. October 16, 2023. https://soundcloud.com/humanbiologyassociation/sausage-of-science-198-woman-the-hunter-as-told-by-sarah-lacy-and-cara-ocobock

Paleo myth clubbed on the head – 'man the hunter, woman the gatherer' is just not true. *Daily Maverick*. October 9, 2023. Written by Elsabé Brits. https://www.dailymaverick.co.za/article/2023-10-09-paleo-myth-clubbed-man-the-hunter-and-woman-the-gatherer-is-just-not-true/

How large body sizes helped the colonizers of New Zealand. *Science Daily*. July 12, 2023. Written by Jeff Grabmeier. https://www.sciencedaily.com/releases/2023/07/230712165132.htm

Researchers Assess Reindeer Herders' Cold Climate Adaptations. *High North News*. April 3, 2023. https://www.highnorthnews.com/en/researchers-assess-reindeer-herders-cold-climate-adaptations

Kritische masse: übergewicht wird zur pandemie. Ein neuer blick auf die kalorie weist den weg aus der krise (Critical mass: obesity becomes a pandemic. A new look at the calorie points the way out of the crisis). By Jörn Auf dem Kampe. *Geo*. March 2023.

Dutkit árvalit, ahte dálkkádatnuppástus sáhttá čuohcat olbmuid dearvvasvuhtii – Anáris dutket boazodoalliid ja kantuvrabargiid dearvvasvuođa (Scientists suggest that climate change may affect human health. - Reindeer herders and clerical workers for health care are being studied in Inari). *Yle*. February 28, 2023. https://yle.fi/a/74-20019931

COVID Impact on Morning Chalk Up Readers Fitness Routines Published in Academic Study. Written by Joe Genetin-Pilawa. *The Morning Chalk Up*. February 5, 2023. https://morningchalkup.com/2023/02/05/covid-impact-on-morning-chalk-up-readers-fitness-routines-published-in-academic-study/?nl=1

Specialist Spotlight: Human biologist, Dr. Cara Ocobock on the evolution of metabolic physiology and the environmental effects on the body. *PVroundup Medical News*. October 27 and November 3, 2022.
Part 1: https://podcasts.apple.com/us/podcast/specialist-spotlight-human-biologist-dr-cara-ocobock/id1494135676?i=1000584271425
Part 2: https://podcasts.apple.com/us/podcast/specialist-spotlight-human-biologist-dr-cara-ocobock/id1494135676?i=1000585014535

Anthropologist Cara Ocobock earns Human Biology Association's Early Career Award for research, teaching, and service written by Beth Staples. *Notre Dame News*. April 20, 2022. https://al.nd.edu/news/latest-news/anthropologist-cara-ocobock-earns-human-biology-associations-early-career-award-for-research-teaching-and-service/

What is the coldest city? Written by Joseph Phelan. *Live Science*. March 5, 2022. https://www.livescience.com/what-is-the-coldest-city

Notre Dame experts reflect on aspects of the Olympics, from athletic performance to human rights violations. *Notre Dame News*. February 9, 2022. https://news.nd.edu/news/notre-dame-experts-reflect-on-aspects-of-the-olympics-from-athletic-performance-to-human-rights-violations/

The Winter Olympics, Equality in Sports, and Exercising in the Cold written by Liz Harter and podcast interview conducted by Andy Fuller. *Notre Dame Stories*. February 2, 2022. https://news.nd.edu/news/nd-stories-the-winter-olympics-equality-in-sports-and-exercising-in-the-cold/

Heavy Lifting. *Notre Dame Magazine: The Endless Conversation Podcast*. January 3, 2022. https://soundcloud.com/notre-dame-magazine/the-endless-conversation-heavy-lifting

Human Energetics Research with Dr. Cara Ocobock. *That Anthro Podcast*. October 27, 2021. https://podcasts.apple.com/us/podcast/human-energetics-research-with-dr-cara-ocobock/id1518833495?i=1000539903851

Why sexism is still a problem at the most 'gender-equal' Olympics by Zaheena Rasheed. *Al Jazeera*. August 8, 2021. https://www.aljazeera.com/news/2021/8/8/sexism-is-still-a-problem-at-the-first-gender-equal-olympics

Neanderthals Adjusted Well to Cold Climates, Researchers Tell Us How by Marie Morales. *The Science Times.* April 20, 2021. https://www.sciencetimes.com/articles/30755/20210420/neanderthals-best-adjusted-cold-researchers-tell-why.htm

Neanderthals were the human species best adapted to cold. Here's why by Ross Pomereoy. *Real Clear Science*. April 19, 2021. https://www.realclearscience.com/blog/2021/04/19/neanderthals_were_the_human_species_best_adapted_to_cold_heres_why_772814.html

Make another damn pie! *Dare to be Human* podcast. April, 5, 2021. https://www.koppett.com/dare-to-be-human-podcast?fbclid=IwAR0tq-TOYUSughthoRHXK1smIjVEx3XfCEuZaGAQq-k5ndbpWuRPOwXMUdA

Professor develops science kits with an eye on accessibility and equity. *The Observer* (Notre Dame student newspaper). March 25, 2021. https://ndsmcobserver.com/2021/03/professor-develops-science-kits-with-an-eye-on-accessibility-and-equity/

Energetics and Science Communication. *AnthroBiology Podcast*. March 25, 2021. https://anthrobiologypodcast.libsyn.com/dr-cara-ocobock-energetics-and-science-communication

Making Science Accessible to All during COVID-19. *ThinkND & Sign of the Times Podcast*. March 15, 2021. https://think.nd.edu/making-science-accessible-to-all-during-covid-19/

It may be cold and snowy outside, but winter activities are some of the best ways to get fit, experts say. *The Washington Post*. February 13, 2021. https://www.washingtonpost.com/health/exercising-outdoors-in-winter/2021/02/12/0f68e4cc-5a85-11eb-8bcf-3877871c819d_story.html

Experiment in access to science successful at St. Adalbert. *Today's Catholic*. January 19, 2021. https://todayscatholic.org/experiment-in-access-to-science-successful-at-st-adalbert/

Kitted up with Ruby's Lab Manual: Notre Dame community gifts experiment supply kits. December 18, 2020. https://news.nd.edu/news/kitted-up-with-rubys-lab-manual-notre-dame-community-gifts-experiment-supply-kits/

The surprising health benefits of exercising in the cold. *The Telegraph*. December 4, 2020. https://www.telegraph.co.uk/health-fitness/body/surprising-health-benefits-exercising-cold/

Women's higher resting metabolic rates in cold environments could be thyroid requirements for pregnancy, researcher says. July 30, 2020. https://news.nd.edu/news/womens-higher-resting-metabolic-rates-in-cold-environments-could-be-thyroid-requirements-for-pregnancy-researcher-says/

How are reindeer herders in the Arctic circle metabolically adapted to cold climates? *The Arch and Anth Podcast*. June 15, 2020. https://archandanth.com/episode-139-interview-with-cara-ocobock/
Are 50-Degree Workouts the New Hot yoga? *Medium*. January 7, 2020. https://elemental.medium.com/are-50-degree-workouts-the-new-hot-yoga-d0c59b7df6ef
"Baby it's cold outside." Running for Science: *Science for Running Podcast*. https://soundcloud.com/running4science/running-for-science-science-for-running-episode-8-cara-ocobock
Is working out in the cold really the key to burning more fat? *GQ*. September 28, 2018. https://www.gq.com/story/working-out-in-the-cold-science
Is a cold workout the new hot yoga? The Social. April 17, 2018. https://www.thesocial.ca/Wellness/Fitness/2018/April/Cold-workouts
This cold workout might be the secret to burning fat. New York Post. April 16, 2018. https://nypost.com/2018/04/16/this-cold-workout-might-be-the-secret-to-burning-fat/
Winter exercise burns more calories, especially for women (time for a hike?). 30seconds.com. January 23, 2018. https://30seconds.com/health/tip/15378/Winter-Exercise-Burns-More-Calories-Especially-for-Women-Time-for-a-Hike
The 8 quickest ways to lose weight this winter. Reader's Digest. January 12, 2018. https://www.rd.com/health/wellness/quickest-ways-to-lose-weight/1/
Want to burn more calories? Work out in the cold. Today.com. January 8, 2018. https://www.today.com/health/exercising-cold-temperatures-burns-more-calories-t120923
Radio interview. Body fat attenuates muscle mass catabolism among physically active humans in temperate and cold high altitude environments. *Radio Doctor*. January 4, 2018.
Why working out in the winter can help you burn more calories. *MSN.com*. December 22, 2017. https://www.msn.com/en-us/health/fitness/why-working-out-in-the-winter-can-help-you-burn-more-calories/ar-BBH7qHx
This is the best way to lose weight in the winter. *BestLife*. December 20, 2017. http://bestlifeonline.com/why-its-easier-to-lose-weight-in-winter/
Does exercise burn more calories in the cold than in warm weather? *STAT News*. December 20, 2017. https://www.statnews.com/2017/12/20/exercising-cold-calories-burned/
Big Number. *New York Post*. December 12, 2017.
Why taking a winter hike is the best way to enjoy the trails. *Shape Magazine*. December 1, 2017. https://www.shape.com/fitness/tips/benefits-hiking-in-winter-enjoy-trails
Science on Tap. *University at Albany News*. September 19, 2017. http://www.albany.edu/news/81861.php?utm_source=toa&utm_medium=email&utm_campaign=internal_comm&utm_term=facstaff&utm_content=more
Thirsting for knowledge, beer. *Times Union*. September 8, 2017. http://m.timesunion.com/local/article/Thirsting-for-knowledge-beer-12172621.php
Science on Tap: experts discuss the politics of research funding. *Albany Student Press*. April 6, 2017. http://www.albanystudentpress.net/science-on-tap-ualbany-professors-discuss-the-politics-of-research-funding/
Can the dead bring life to your anatomy program? *Albany Student Press*. February 5, 2017. http://www.albanystudentpress.net/can-the-dead-bring-life-to-your-anatomy-program/
Students pushing for sanctuary campus designation. *CBS 6 Albany*. December 2, 2016. http://cbs6albany.com/news/local/students-pushing-for-sanctuary-campus-designation

Petitioners embrace 'sanctuary campus' movement amid Trump fears. *Albany Student Press*. November 28, 2016. http://www.albanystudentpress.net/petitioners-brace-sanctuary-campus-movement-amid-trump-fears/

Call for sanctuary campus. *Time Union*. November 23, 2016. http://www.timesunion.com/local/article/Call-for-UAlbany-sanctuary-campus-10633887.php

RESEARCH, FIELD WORK, LABORATORY EXPERIENCE, & ADDITIONAL TRAINING

2023	Assessing the utility of thermography to track muscle recovery/injury among female soccer players, University of Notre Dame
2017-Present	The metabolic cost of living among reindeer herders of the Sápmi region of Finland
2022-Present	Certified Powerlifting Coach, United States Powerlifting Association
2020-Present	Experimental testing of thermoregulatory principles: Re-evaluating ecogeographic rules in living humans, University of North Texas Health Science Center, Fort Worth, TX
2020-2022	Perceived mental and physical impacts of COVID-19 on fitness and exercise regimens
2017-2019	The impact of Science on Tap on the public perception of science, Albany, NY - Survey data collection among Science on Tap audience members
2017-2018	Stress and anxiety among improvisational comedy performers, University at Albany - Collected and analyzed energetic, biomarker, and survey data among comedy improvisers
2017-2018	Energetics among female and male collegiate cross country runners, University at Albany - Collected and analyzed data among cross country runners during practices and competitions
2017	Energetics among American Hockey League Players, in Albany, NY - Collected and analyzed data among AHL ice hockey players during games and practices
2015	Race Across the USA - Coordination and management of energetics data collection from Race Across the USA runners
Fall 2012	Hunter College New York, NY - Doubly labeled water analysis
Spring-Winter 2011	Western United States - Dissertation research on human energy expenditure
Summer 2010	Wind River Mts, WY - Pilot study on human energy expenditure in different climates
2008	Great Ape Trust Des Moines, IA - Data collection on orangutan energy expenditure
Fall 2007-11	Washington University in St. Louis Biomechanics and Energetics Laboratory

	- Motion capture, EMG, and force plate analyses
Fall 2005-06	University of Michigan, Ruthven Natural History Museum - Molding and casting fossil specimens for the University of Michigan Anthropology Department teaching collection
Summer 2005	University of Murcia, Spain field school - Excavation of two Neanderthal cave sites
2003	University of Michigan Phillip Hanna Anthrax Research Laboratory