

# CARA COBOCK

Department of Anthropology  
University of Notre Dame  
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Notre Dame, IN 46556

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## EDUCATION

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- 2014 PhD Anthropology, Washington University in St. Louis,  
Thesis Title: Measuring and Predicting Total Energy Expenditure Among Highly  
Active Humans in Natural Environments  
Mentors: 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

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- 2019-Present Assistant Professor, Department of Anthropology | University of Notre  
Dame | Notre Dame, IN

## PREVIOUS APPOINTMENTS

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- 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
- 2007- 2014 Teaching Assistant, Department of Anthropology | Washington University  
in St. Louis | St. Louis, MO

## AWARDS

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- 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 student)

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- Ocobock C**, Hawley P. (submitted) Preaching to the Choir: The impact of Science on Tap on the public perception of science. *Journal of Science Communication*.
- Ocobock C**. Human energy expenditure in anthropology and beyond. *American Anthropologist* (revise and resubmit).
- 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. *Am. J. Phy. Anthropol.* **143**(1):52-61.

## INVITED ARTICLE CONTRIBUTIONS

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- Ocobock C** and Lynn C. How the *Sausage of Science* is Made. *Practicing Anthropology*. (accepted)
- 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/>.
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## INVITED BOOK REVIEWS

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

## MANUSCRIPTS IN PREPARATION

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**Ocobock C** and \*Nicolou A. Neanderthal thermoregulation: old ideas and new. *Evolutionary Anthropology*. (Invited)

## EXTERNAL GRANTS (\*with student)

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- 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. (\$3,000). *Funded*.
- 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, Päivi Soppela, Terhi Vuolo-Magga. (\$5,000). *Funded*.
- 2017 **The metabolic cost of living among reindeer herders of the Sápmi region of Finland.** National Geographic Foundation. PI: Cara Ocobock, Senior Personnel: Minna Turunen, Päivi Soppela, Terhi Vuolo-Magga. (\$30,000). *Not funded*.
- 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, Päivi Soppela, Terhi Vuolo-Magga. (\$35,000). *Grant Award: 1724819*. Role: PI.
- 2011-2012 **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. (\$10,776). *Funded*.

## INTERNAL GRANTS

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- 2018 University at Albany Initiatives for Women Program (\$1,000). *Awarded*
- 2017 University at Albany Faculty Research Awards Program (\$4,000). *Awarded*
- 2015 Grand Valley State University Engaging Undergraduate Students in Scholarship Supplemental Startup Funds (\$1,000). *Awarded*
- 2015 Grand Valley State University Catalyst Grant (\$3,000). *Awarded*
- 2015 Grand Valley State University Early Career Stipend Grant (\$3,000). *Awarded*
- 2014 Grand Valley State University Dissemination Grant (\$750). *Awarded*
- 2013 Washington University in St. Louis Anthropology Department Summer Writing Funding (\$2,000). *Awarded*
- 2010 Washington University in St. Louis Anthropology Department Summer Research Grant (\$3,000). *Awarded*
- 2009 Washington University in St. Louis Anthropology Department Summer Writing Funding (\$2,500). *Awarded*
- 2008 Washington University in St. Louis Anthropology Department Summer Research Grant (\$2,500). *Awarded*

## CONFERENCE PRESENTATIONS (\*with student)

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- 2019 **Ocobock C**, \*Sarma M, Lynn C, Gettler L. “Yes, and…” How performing improvisational comedy reduces stress and promotes well-being. Human Biology Association.
- 2019 \*Nicolou A and **Ocobock C**. Variability in activation rates and energy expenditure of brown adipose tissue in a diverse population. Human Biology Association
- 2019 **Ocobock C** and \*Nicolou A. Neanderthal thermoregulation: old ideas and new. American Association of Physical Anthropologists
- 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.
- 2019 \*Sarma, M, **Ocobock C**, Gettler L. Total energy expenditure and social context and dynamics in extreme environments. NASA Human Research Program Investigators’ Workshop.
- 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.
- 2018 \*Sarma M, **Ocobock C**, Gettler L. Energy expenditure and social/group dynamics in extreme environments. American Society for Gravitational and Space Research.
- 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 **Ocoboek 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 **Ocoboek 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 **Ocoboek 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 **Ocoboek C**, Pontzer H, Erez T, Maki J. Climatic and physiological constraints on human body size and shape. AAPA Meetings. AJPA. S33.
- 2009 Pontzer H, **Ocoboek 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, **Ocoboek C**. Waddling and toddling: biomechanical effects of an immature gait. AAPA Meetings. AJPA. S48, 93.
- 2009 **Ocoboek C**, Pontzer H, Atkinson E, Shumaker RW, Wittman AB. Locomotor developmental timing in humans and other apes. AAPA Meetings. AJPA. S48, 201.
- 2009 **Ocoboek 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.

#### INVITED TALKS

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- 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**

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### **COURSES**

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

Human Energetics Graduate Seminar	Fall 2018
Exercise Physiology	Spring 2017-Present
Humans at the Extremes	Fall 2016-Present
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
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#### **Teaching Assistant**, Anthropology Department, Washington University, St. Louis

Introduction to Human Evolution	Fall 2008
Anthropology of Human Birth	Spring 2009
Human Osteology	Fall 2009
Introduction to Cultural Anthropology	Spring 2010
Gross Anatomy	Fall 2010
Introduction to Public Health	Spring 2011
Human Osteology	Spring 2012
Adventures in Nosology	Fall 2012
Variation in Human Growth and Development	Spring 2013

### **STUDENTS SUPERVISED**

#### **Ph.D Dissertation Advisee (University of Notre Dame)**

Alexandra Niclou, in progress  
 Mallika Sarma, Notre Dame, in progress

#### **Ph.D. Committees (Other Institutions)**

Erica Tyler, in progress  
 Florence Lee, in progress  
 Kyrie Nelder, in progress

#### **MA Thesis Advisee (University at Albany)**

Venus Lliguicota, completed May 2019

**Undergraduate Honors Thesis Advisee (University at Albany)**

Kelsey Briddell, *Energetics Among Collegiate Cross-Country Runners*, Spring 2018

**Undergraduate Honors Thesis Advisee (Grand Valley State University)**

Karyn Schmaltz, *Energetics among collegiate ice hockey players*, Spring 2016

**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	

**PROFESSIONAL SERVICE (Departmental)**

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2017-Present	Seminar Speaker Series Coordinator, Department of Anthropology, University at Albany, SUNY
2016-Present	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)**

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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: <a href="http://www.gvsu.edu/darwinday/">http://www.gvsu.edu/darwinday/</a>

2014 Teaching Circle, Grand Valley State University. Focus on case study based learning.

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**PROFESSIONAL SERVICE (University)**

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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

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**PROFESSIONAL SERVICE (Professional)**

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2017-Present Sausage of Science – Human Biology Association 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

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**PROFESSIONAL SERVICE (Community)**

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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-Present 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

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## PROFESSIONAL AFFILIATIONS

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

## MEDIA COVERAGE

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- Call for sanctuary campus. *Time Union*. November 23, 2016.  
<http://www.timesunion.com/local/article/Call-for-UAlbany-sanctuary-campus-10633887.php>
- 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/>
- Students pushing for sanctuary campus designation. *CBS 6 Albany*. December 2, 2016.  
<http://cbs6albany.com/news/local/students-pushing-for-sanctuary-campus-designation>
- 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/>
- 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/>
- Thirsting for knowledge, beer. *Times Union*. September 8, 2017.  
<http://m.timesunion.com/local/article/Thirsting-for-knowledge-beer-12172621.php>
- 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](http://www.albany.edu/news/81861.php?utm_source=toa&utm_medium=email&utm_campaign=internal_comm&utm_term=facstaff&utm_content=more)
- 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>
- Big Number. *New York Post*. December 12, 2017.
- 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/>
- 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/>
- 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>
- Radio interview. Body fat attenuates muscle mass catabolism among physically active humans in temperate and cold high altitude environments. *Radio Doctor*. January 4, 2018.
- 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>
- 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/>

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>

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/>

Is a cold workout the new hot yoga? The Social. April 17, 2018. <https://www.thesocial.ca/Wellness/Fitness/2018/April/Cold-workouts>

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>

“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>

## **RESEARCH, FIELD WORK, AND LABORATORY EXPERIENCE**

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2017-Present	The metabolic cost of living among reindeer herders of the Sápmi region of Finland
2017-Present	Stress and anxiety among improvisational comedy performers, University at Albany - Collected and analyzed energetic, biomarker, and survey data among comedy improvisers
2017-Present	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-Present	The impact of Science on Tap on the public perception of science, Albany, NY - Survey data collection among Science on Tap audience members
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