

CARMEN HOVE

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EDUCATION

Doctor of Philosophy (PhD) | Sep 2015-Mar 2022

University of California Santa Barbara, Physical and Biological Anthropology

Bachelor of Science (BS) | Sep 2010-Jun 2014

Seattle Pacific University, Human Biology, *cum laude*

CERTIFICATIONS

Licensed Medical Assistant Phlebotomist | Dec 2018-Present

North Seattle Community College, Basic Blood Collection

Active Washington State Provider # 60925903

RESEARCH EXPERIENCE

Research Scientist | Jan 2022-Present

University of Washington, Seattle, WA

- Research Scientist at the Center for Studies in Demography and Ecology Human Biodemography Lab
- Responsible for processing hair and dried blood spot samples and running in-house single and multiplex ELISA assays for domestic and international epidemiological studies (e.g., SHINE study, Seattle Postpartum Health Study)

Principal Investigator | Oct 2020-Mar 2022

University of California, Santa Barbara, CA

- Designed and executed study investigating the effects of breastfeeding behavior on depressive symptoms, physical health, and immune phenotype among postpartum mothers in the United States (n=97)
- Adapted original study design to accommodate rapid changes in research protocols following COVID-19 restrictions while retaining research objectives and methodological rigor
- Managed research assistant in sample collection/study operations and coordinated participant engagement
- Secured project funding from National Science Foundation (\$19,896) and Wenner-Gren Foundation (\$19,996)
- Established successful protocols for collecting and analyzing qualitative survey data and salivary/blood-based biomarkers, in collaboration with UW CSDE human biodemography lab
- Employed causal diagrams to identify collider variables, specify response and predictor variables, and determine population and group-level terms used in Bayesian multilevel models

Graduate Research Fellow | Sep 2015-Sep 2021

University of California, Santa Barbara, CA

- Graduate researcher on the Tsimane Health and Life History Project (THLHP), a long-term bio-behavioral study on the epidemiology of health and mortality among indigenous populations in the Bolivian Amazon
- Merged demographic, medical, and flow cytometry data from the THLHP and the CDC to compare the effects of reproductive status on immune function across populations
- Secured NSF GFRP award (\$138,000) and 5 internal grants (\$6,288) to fund research program
- Collaborated with 8 colleagues at 5 different institutions to write corresponding peer-reviewed papers
- Presented research findings at 6 conferences, winning student award for best podium presentation at 2019 Human Biology Association annual meeting

Post Baccalaureate Research Fellow | Jun 2014-Jun 2015

Seattle Pacific University, Seattle, WA

- Used portable respirometry and temperature telemetry techniques to investigate the energetic and thermoregulatory costs of walking at different speeds and on variable terrain
- Executed recruitment and retention of 14 participants based on stringent inclusion criteria (e.g., absence of hormonal birth control, level of baseline physical fitness, anaerobic threshold)
- Presented results at 2 conferences, findings reported in journal of Integrative & Comparative Biology

Data Technician | May 2013-Nov 2013

Fred Hutchinson Cancer Research Center, Seattle, WA

- Executed data management program for the Objective Physical Activity and Cardiovascular Health study, an ancillary study of the Women's Health Initiative (one of the largest clinical studies on female health)
- Cleaned and entered data on sedentary behavior and physical activity, recruited and retained participants
- Scheduled, coordinated, and scribed for weekly meeting with international group of principal investigators, synthesized complex real-time conversations into useful action-based summaries

PUBLISHED PAPERS & ABSTRACTS

1. **Hové C**, Trumble BC, Anderson AS, Stieglitz J, Kaplan H, Gurven MD, Blackwell AD. 2020. Flexibility of fetal tolerance: Immune function during pregnancy varies between ecologically distinct populations. *Evol Med Public Heal*.
2. Anderson AS, Trumble BC, **Hové C**, Kraft TS, Kaplan H, Gurven M, Blackwell AD. 2019. Old friends and friendly fire: Pregnancy, hookworm infection, and anemia among tropical horticulturalists. *Am J Hum Biol*:1–15.
3. **Hové CM**, Trumble BC, Stieglitz J, Gurven M, Kaplan H, Boddy AM, Blackwell AD. 2019. Socioecological conditions shape postpartum immune trajectories. *Journal of Human Biology Abstracts*.
4. **Hové CM**, Trumble BC, Anderson AS, Stieglitz J, Gurven M, Kaplan H, Blackwell AD. 2019. The flexibility of fetal tolerance: how immune function during pregnancy varies between two ecologically distinct populations. *Journal of Human Biology Abstracts*.
5. **Hové CM**, Blackwell AD, Trumble BC, Suarez IM, Stieglitz J, Beheim B, Snodgrass JJ, Gurven M, Kaplan H. 2017. Immune Modulation during Pregnancy for Women in a High Pathogen Environment. *Journal of Human Biology Abstracts*. Available from: <https://doi.org/10.1002/ajhb.22974>.
6. **Hové CM**, Wall-Scheffler CM. 2015. Comparing optimal and preferred walking speeds. *American Journal of Physical Anthropology Suppl*. 60:170.
7. **Hové CM**, Wagnild JM, Wall-Scheffler CM. 2014. The Humor gender gap: How gender and humor interact to influence social behavior. *American Journal of Physical Anthropology Suppl*. 58:145-6.
8. Jones C, **Hové CM**, Wagnild JM, Wall-Scheffler CM. 2014. How travel time influences sexual dimorphism. *American Journal of Physical Anthropology Suppl*. 58:153.

CONFERENCE PRESENTATIONS

1. **University of Washington BASS Seminar Series | Seattle, WA | 2019**
The flexibility of fetal tolerance: how immune function during pregnancy varies between two ecologically distinct populations (Podium)
2. **Human Biology Association | Cleveland, OH | 2019**
The flexibility of fetal tolerance: how immune function during pregnancy varies between two ecologically distinct populations (Podium)
3. **UCSB Anthropology Grad-Slam | Santa Barbara, CA | 2017**
Immune Modulation during Pregnancy for Women in a High Pathogen Environment (Podium)
4. **Human Biology Association | New Orleans, LA | 2017**
Immune Modulation during Pregnancy for Women in a High Pathogen Environment (Poster)

5. **International Society for Evolution, Medicine & Public Health** | Raleigh, NC | 2016
Immune Modulation during Pregnancy for Women in a High Pathogen Environment (Poster)
6. **California Workshop for Evolutionary Social Science** | San Luis Obispo, CA | 2016
Immune Modulation during Pregnancy for Women in a High Pathogen Environment (Poster)
7. **SPU Summer Research Symposium** | Seattle, WA | 2014
Comparing optimal and preferred walking speeds (Podium)
8. **Murdock College Science Research Conference** | Vancouver, WA | 2014
Comparing optimal and preferred walking speeds (Poster)
9. **SPU Erickson Undergraduate Research Conference** | Seattle, WA | 2014
The humor gender gap: how gender and humor interact to influence social behavior (Podium)
10. **American Association for Physical Anthropology** | Calgary, Canada | 2014
How gender and humor interact to influence social behavior (Poster)
11. **Murdock College Science Research Conference** | Vancouver, WA | 2013
How gender and humor interact to influence social behavior (Poster)

RESEARCH GRANTS

1. **Elings Wells Dissertation Fellowship** (\$8000) | UCSB Department of Anthropology | 2021
2. **Dissertation Fieldwork Grant** (\$19,998) | Wenner-Gren Foundation | 2020
3. **Dissertation Improvement Grant** (\$30,934) | National Science Foundation | 2020
4. **Graduate Student Research and Travel Grant** (\$1,258) | UCSB Broom Center for Demography | 2019
5. **Graduate Student Research and Travel Grant** (\$2,000) | UCSB Broom Center for Demography | 2018
6. **Summer Research Grant** (\$630) | UCSB Anthropology Department | 2018
7. **Summer Travel Grant** (\$400) | UCSB Anthropology Department | 2017
8. **Graduate Research Fellowship Program** (\$138,000) | National Science Foundation | 2016
9. **Summer Research Grant** (\$2,000) | UCSB Anthropology Department | 2016

FELLOWSHIPS / AWARDS

1. **Edward E. Hunt Jr. Student Award** | Human Biology Association Annual Meeting | 2019
2. **2nd Place Flash-Talk Award** | Anthropology Grad-Slam, UCSB Department of Anthropology | 2017
3. **Conference Travel Award** (\$500) | Human Biology Association | 2017
4. **Conference Travel Fellowship** (\$700) | Int'l Society for Evolution, Medicine & Public Health | 2016
5. **William S. Pollitzer Travel Award** (\$500) | American Association of Physical Anthropology | 2016
6. **2nd Place Poster Prize** | California Workshop for Evolutionary Social Science | 2016
7. **Best Oral Presentation** | Erickson Undergraduate Research Conference | Seattle Pacific University | 2014
8. **UC Regents in the Disciplines Fellowship** (\$59,784) | UCSB Department of Anthropology | 2015
9. **Vereide Award** (\$2,024) | Seattle Pacific University | 2011
10. **President's Scholar Award** (\$48,000) | Seattle Pacific University | 2010

TEACHING

Research Mentor | Jun 2020-Aug 2021

University of California, Santa Barbara, CA

- Selected as mentor for highly competitive summer research program serving accelerated high school students in STEM
- Advised 6 mentees on novel hypothesis formulation, statistical methods, and R programming using real-world datasets, culminating in final paper and presentation produced by each student
- Cultivated students' intellectual independence, teamwork, communication skills, and critical thinking skills

STEM Tutor | Sep 2015-Jun 2018

Girls Inc., Santa Barbara, CA

- Tutored group of local junior high students in STEM topics on a weekly basis
- Adjusted approach based on individual grade, class type, and skill level
- Student progress over time included advancement from D grade to A- in Biology within single semester

Graduate Teaching Assistant | Sep 2015-Jun 2017

University of California, Santa Barbara, CA

- Discussion section instructor for Introduction to Biological Anthropology
- Utilized concept maps, discussion sections, and lectures to promote student learning
- Received an average rating of 4.7 out of 5 on final student evaluations

Post Baccalaureate Adjunct Laboratory Instructor | Sep 2014-Jun 2015

Seattle Pacific University, Seattle, WA

- Taught laboratory classes in general biology and human anatomy/physiology I and II
- Spearheaded experiment-based pedagogy, wherein students developed novel protocols and conducted independent investigations of biological processes (e.g., quantifying variation in dive response)
- Received an average rating of 4.7 out of 5 on final student evaluations

SERVICE / OUTREACH

Invited Speaker | Sausage of Science Podcast, Human Biology Association | 2019

Graduate Mentor | American Association of Physical Anthropologists | 2016-2018

Colloquium Co-Chair | UCSB Anthropology Graduate Student Association | 2017-2018

Social Events Chair | UCSB Anthropology Graduate Student Association | 2016-2017

Graduate Symposium Co-Chair | UCSB Anthropology Graduate Student Association | 2015-2016

University Ambassador | Junior Science and Humanities Symposium | 2013

Peer Mentor | Navigating Health Professions Mentor Program, Seattle Pacific University | 2013

Hospital Volunteer | Day Surgery Unit, Swedish Medical Center | 2011-2012

ESL Instructor/Team Leader | SPU Reach-Out International, Vietnam | 2011

PEER REVIEWER

PLOS ONE, Medical Hypotheses, Journal of Human Evolution

REFERENCES

- **Melanie Martin, PhD** | Assistant Professor, University of Washington
PhD committee member | Co-author | Current supervisor
Email: martinm7@uw.edu | Phone: (805) 722-8668
- **Amy Boddy, PhD** | Associate Professor, University of California Santa Barbara
PhD chair | Co-author | Co-principal investigator of Seattle Postpartum Health Study
Email: amyboddy@ucsb.edu | Phone: (586) 713-8120
- **Michael Gurven, PhD** | Associate Professor, University of California Santa Barbara
PhD committee member | Co-author | Director of Tsimane Health and Life History Project
Email: gurven@gmail.com | Phone: (805) 455-7238