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 for the Center for Studies in Demography and Ecology Human Biodemography Lab (BSL-2)
* Processing biological specimens and running in-house single and multiplex bioanalytical assays (e.g., ELISA) for domestic and international epidemiological studies (e.g., SHINE study, Seattle Postpartum Health Study)
* Training research personnel on appropriate blood collection and assay protocols

**Principal Investigator** | Oct 2020-Mar 2022

University of California, Santa Barbara, CA

* Designed and executed study investigating effects of breastfeeding behavior on depressive symptoms, physical health, and immune phenotype among postpartum mothers in the United States (n=97)
* Employed causal diagrams to identify collider variables, specify response and predictor variables, and determine population and group-level terms used in Bayesian multilevel models
* 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)

**Graduate Research Fellow** | Sep 2015-Sep 2021

University of California, Santa Barbara, CA

* Merged real-world demographic, medical, and flow cytometry data from the National Health and Nutrition Examination Survey (NHANES) and Tsimane Health and Life History Project to compare the effects of reproductive status on immune function among women in the United States and Amazonian River Basin
* Collaborated with 8 colleagues at 5 different institutions to write 2 corresponding first-author papers; 1 published in Evolution, Medicine, and Public Health, 1 entering publication pipeline for Proceedings of the National Academy of Sciences
* Presented research findings at 6 conferences, winning student award for best podium presentation at 2019 Human Biology Association annual meeting
* Secured NSF GFRP award ($138,000) and 5 internal grants ($6,288) to fund research program

**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)
* 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

TEACHING / OUTREACH

**Research Mentor** | Jun 2020-Aug 2021

University of California, Santa Barbara, CA

* Selected as mentor for competitive summer research program serving accelerated high school students
* 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

**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

SELECT 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**, Wall-Scheffler CM. 2015. Comparing optimal and preferred walking speeds. American Journal of Physical Anthropology Suppl. 60:170.
4. Jones C, **Hové CM**, Wagnild JM, Wall-Scheffler CM. 2014. How travel time influences sexual dimorphism. American Journal of Physical Anthropology Suppl. 58:153.