

# Achsah F. Dorsey, PhD

Department of Anthropology  
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**RESEARCH INTERESTS:** human biology, global health, child growth and development, nutrition, immune function, evolutionary medicine, disease ecology, life-history theory, biocultural perspectives on health and human development, South America and Sub-Saharan Africa

## APPOINTMENTS

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2020-present Assistant Professor, Department of Anthropology, University of Massachusetts - Amherst

## EDUCATION

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2014-2020 Doctor of Philosophy in Anthropology, University of North Carolina - Chapel Hill  
Advisor: Dr. Amanda L. Thompson  
Title: *Iron, Infection, and Malnutrition: An exploration of childhood anemia in a Peruvian peri-urban community.*

2012-2014 Master of Arts in Anthropology, University of Alabama - Tuscaloosa  
Advisor: Dr. Jason A. DeCaro  
Title: *An investigation of sex-differentiated parental care and child health outcomes in Northwest Tanzania*

2007-2011 Bachelor of Science in Biological Anthropology, Pennsylvania State University - University Park

2010 Spring Semester Study Abroad, University of Cape Town, South Africa

## PEER-REVIEWED PUBLICATIONS

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2020 **Dorsey AF** & AL Thompson. Child, caretaker, and community: Testing predictors of anemia and response to iron supplementation in Peruvian pre-school-aged children. *Am J Hum Biol.* e23538. DOI: 10.1002/ajhb.23538

2020 **Dorsey AF**, E Scherer, R Eckhoff, & R Furberg. Measurement of human stress: A multidimensional approach. PsyArXiv. DOI:10.31234/osf.io/es2p9

2018 **Dorsey AF**, AL Thompson, RE Kleinman, CP Duggan, & ME Penny Iron and infection: An investigation of the optimal iron hypothesis in Lima, Peru. *Am J Hum Biol.* 30(3): e23114. DOI: 10.1002/ajhb.23114

## OTHER PUBLICATIONS

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2020 **Dorsey AF.** *Iron, Infection, and Malnutrition: An Exploration of Childhood Anemia in a Peri-Urban Community in Lima, Peru.* Dissertation. May 2020.

2014 **Dorsey AF.** *Selected Successors: An investigation of sex-differentiated parental care and child health outcomes in Northwest Tanzania.* Master's Thesis. August 2014.

## PUBLICATIONS IN PROGRESS

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2021 **Dorsey AF**, ME Penny, & AL Thompson. Adiposity and pathogen exposure: An investigation of response to iron supplementation and hypothesized predictors in anemic pre-school-aged children living in a dual burden environment. (Research article, under review)

2021 **Dorsey AF**, AM Azcarate-Peril, & AL Thompson. Iron regulation and response: The role of iron availability and intestinal microbiota diversity on recovery from childhood anemia. (Research article, in preparation)

## **PUBLISHED ABSTRACTS & CONFERENCE PRESENTATIONS**

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- 2020 **Dorsey AF** and AL Thompson. *Iron regulation and response: The impact of iron availability and intestinal microbiota on recovery from anemia in pre-school-aged children*. Human Biology Association, Los Angeles California. April 2020. \*Conference Canceled due to COVID-19
- 2020 **Dorsey AF**. *Immune activation, body fat, and anemia*. Society for Applied Anthropology. Albuquerque, New Mexico. \*Conference Canceled due to COVID-19
- 2019 **Dorsey AF**. *Child size and anemia: An investigation of the dual burden in pre-school aged children living in Lima, Peru*. American Anthropological Association. Vancouver, British Columbia. November 2019.
- 2019 **Dorsey AF**. *Predictors of child iron deficiency anemia and response to oral iron supplementation in Lima, Peru*. Poster for the Human Biology Association. Cleveland, Ohio. March 2019.
- 2019 **Dorsey AF**. *Seasonal patterns of hemoglobin: An exploration of childhood anemia in Lima, Peru*. North Carolina Conference on Latin American Studies. Chapel Hill, North Carolina. February 2019.
- 2018 **Dorsey AF**. *Alimentación y adaptación: Nutritional adaptation and iron consumption in preschool-age children in Lima, Peru*. American Anthropological Association. San Jose, California. November 2018.
- 2018 **Dorsey AF**. *Diet, Environment, and Iron: A biocultural investigation of anemia in Lima, Peru*. Latin American Studies Association XXXVI International Congress, Barcelona, Spain. May 2018.
- 2017 **Dorsey AF**, AL Thompson, RE Kleinman, CP Duggan, ME Penny. *Iron and morbidity among toddlers in Lima, Peru*. Poster for the Human Biology Association, New Orleans, Louisiana. April 2017.
- 2017 **Dorsey AF**. *Iron and Infection in Lima, Peru*. Southeastern Council of Latin American Studies Annual Conference, Chapel Hill, North Carolina. March 2017.
- 2016 **Dorsey AF**, JA DeCaro, M Manyama, W Wilson. *The Relationship Between Child Morbidity, Food Insecurity and Maternal Mental Health in Mwanza, Tanzania*. Poster for the Human Biology Association, Atlanta, Georgia. April 2016.
- 2016 DeCaro JA, **AF Dorsey**, M Manyama, W Wilson. *Cytomegalovirus antibody titers among young children in Mwanza, Tanzania: Interpretation and relationship to household conditions*. Poster for the Human Biology Association, Atlanta, Georgia. April 2016.
- 2014 **Dorsey AF**, and JA DeCaro. *Sex Differences in Child Morbidity in North West Tanzania*. Poster for the Human Biology Association, Calgary, Canada. April 2014.

## **GRANTS & FELLOWSHIPS**

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- 2020-2022 The Ohio State University President's Postdoctoral Scholar (declined)
- 2020 Institute for the Study of the Americas Mellon Conference Travel Award
- 2019 The Graduate and Professional Student Federation Travel Award
- 2019-2020 International Chapter of P.E.O. Sisterhood Scholar Award
- 2019 Institute for the Study of the Americas Mellon Dissertation Grant
- 2019 Professional Pathways Program Richard Bland Fellowship
- 2019 Stephens Family Fund for Graduate Student Excellence in the Arts and Social Sciences
- 2018 Federico Gil Fund in Latin American Studies Travel Award
- 2018 Latin American Studies Association Individual Travel Grant
- 2017 Institute for the Study of the Americas Mellon Conference Travel Award
- 2017 Fulbright Hays Doctoral Dissertation Research Abroad Fellowship
- 2017 University of North Carolina Graduate Tuition Incentive Scholarship
- 2017 National Science Foundation Doctoral Dissertation Research Improvement Grant
- 2017 Frank Porter Graham Institute James J. Gallagher Dissertation Award
- 2017 Sigma Xi Grants in Aid of Research
- 2017 American Philosophical Society Lewis and Clark Fund for Exploration and Field Research

2017	University of North Carolina Tom and Karen Sox Summer Research Fellowship
2017	University of North Carolina Graduate Student Transportation Grant
2016	Triangle Center for Evolutionary Medicine Graduate Student Fellowship
2016	Institute for the Study of The Americas Pre-Dissertation Field Research Grant
2015	Harriet J. Kupferer Summer Exploratory Grant
2015	Institute for the Study of The Americas Tinker Field Research Grant
2015	The University of Alabama Outstanding Research by A Master's Student Award
2014	University of Alabama Anthropology Department – Travel Support
2014	University of Alabama Graduate School Travel and Research Support Fund
2013	University of Alabama Anthropology Department – Field Research Support
2013	University of Alabama Graduate Student Association
2013	University of Alabama Graduate School Travel and Research Support Fund
2013	University of Alabama Capstone International
2012-2013	The University of Alabama Graduate Council Fellowship

### HONORS & AWARDS

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2020	University of North Carolina Anthropology Graduate Commencement Speaker
2019-2020	P.E.O. Scholar
2019	Professional Pathways Programs Richard Bland Summer Fellow
2018	University of North Carolina Graduate Teaching Fellow
2017	Fulbright Hays Doctoral Dissertation Research Abroad Fellow
2017	American Philosophical Society Lewis and Clark Field Scholar
2016	Triangle Center for Evolutionary Medicine Graduate Student Fellow
2015	The University of Alabama Outstanding Research by A Master's Student Award
2015	The University of Alabama College of Arts and Sciences Outstanding Research by A Master's Student Award
2012	Lambda Alpha National Anthropology Honor Society
2012-2013	University of Alabama Graduate Council Fellow

### INVITED TALKS & POPULAR MEDIA

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2021	<i>Addressing the Challenges of Anaemia in the Andean Region</i> . The Academy of Medical Sciences. Online. January 2021.
2020	<i>Gender and University Writing Centers</i> . UNC Writing Center. Chapel Hill, NC. with J. Smith. February 2020.
2020	<i>Exploring the Intestinal Microbiome as a Biological Pathway for Childhood Response to Iron Supplementation</i> . Carolina Population Center Interdisciplinary Workshop. Chapel Hill, NC. February 2020.
2019	<i>The Importance of International Research and Funding Women</i> . P.E.O. Reciprocity Luncheon. Durham, NC. November 2019.
2019	<i>Predictors of Anemia and Response to Iron Supplementation in Peruvian Pre-School Aged Children</i> . Frank Porter Graham Child Development Institute. Chapel Hill, NC. September 2019.
2019	<i>The Ethics of Healthcare Abroad</i> by Center for Global Initiatives at UNC Chapel Hill, NC. Panel Participant with C. Long, R. Lanning, and Dr. A. Tilly. March 2019.
2018	<i>Anemia and adaptation: Biocultural methods in exploring childhood anemia and iron deficiency in Lima, Peru</i> . Carolina Population Center Interdisciplinary Workshop. Chapel Hill, NC. October 2018.
2018	Featured In: <i>Iron woman crosses hemispheres to wipe out anemia</i> by Dave Shaw. Article for the Frank Porter Graham Child Development Institute. April 2018.
2017	<i>Iron and morbidity among toddlers in Lima, Peru</i> . Invited Poster for Triangle Center for Evolutionary Medicine Showcase. Raleigh, NC. September 2017.
2016	<i>Iron Deficiency and Infection: Current Progress and Next Steps</i> . Carolina Population Center Interdisciplinary Workshop. Chapel Hill, NC. November 2016.

- 2016 *Hunger and Power: Food and Inequality Across the Globe* by Edible Campus, Chapel Hill, NC. Panel Participant with Drs. C. Lentz and S. Dempsey. April 2016.
- 2015 *Childhood Economics*. Guest Lecture for Anthropology 284: Culture and Consumption. Chapel Hill, NC. November 2015.
- 2013 *The Out of Africa and Multiregional Hypotheses* Guest Lecture for Anthropology 270: Introduction to Physical Anthropology. Tuscaloosa, AL. November 2013.

### PROFESSIONAL EXPERIENCE

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- 2021 Faculty Affiliate, Institute of Global Health, University of Massachusetts at Amherst
- 2020 Research Affiliate at University of North Carolina at Chapel Hill
- 2019-2020 Co-Investigator for *Human Biology Lab: Biospecimen Bank*. Chapel Hill, NC
- 2019 Panel Chair for *Bio-cultural Explorations of Caregiving, Stress, and Malnutrition in North and South America* at the American Anthropological Association. San Jose, CA November 2019.
- 2019 Microbiome Data Analyses Workshop with Microbiome Core Facility Chapel Hill, NC
- 2019-2020 University of North Carolina Writing Center Coach
- 2019 Internship with RTI International, Raleigh, NC. May-July 2019
- 2018 Triangle Global Health Mentorship Program
- 2017-2018 Research Affiliate at the *Instituto de Investigación Nutricional* in La Molina, Lima, Peru
- 2017 Panel Chair for *Anthropological Investigations of the Relationship between Socioeconomic Conditions and Health* at the Southeastern Council of Latin American Studies Annual Conference. Chapel Hill, NC March 2017
- 2016 Qualitative Research Guide Developer for *International Center for Tropical Agriculture* Recta Cali-Palmira, Colombia. June-August 2016
- 2015- 2020 Pre-Doctoral Trainee at the Carolina Population Center. Chapel Hill, NC
- 2015- 2017 Research Assistant for *Effects of BMI and stress on inflammatory resolution after influenza vaccination*. Chapel Hill, NC
- 2013-2014 Research Assistant for *Improving Family Well-Being and Child School Readiness: Power PATH Dual Generation Intervention with Head Start Preschoolers and their Parents*
- 2012-2014 Principal Investigator for Master's Thesis: *Selected Successors: An Investigation of Sex-Differentiated Parental Care and Child Health in Northwest Tanzania*. Mwanza, Tanzania

### TEACHING EXPERIENCE: INSTRUCTOR OF RECORD

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- 2020-present University of Massachusetts - Amherst:  
*Anthro 397: Disease Ecology*  
*Anthro 313: Nutritional Anthropology*
- 2018 University of North Carolina - Chapel Hill:  
*Anth 471: Biocultural Perspectives of Maternal and Child Health*
- 2017 Duke Talent Identification Program at Wake Forest University:  
*Stones and Bones: An Introduction to Anthropology and Archaeology*
- 2016 Duke Talent Identification Program at Appalachian State University:  
*Anthropology: Individuals, Societies, and Cultures*.

### TEACHING EXPERIENCE: GRADUATE TEACHING ASSISTANT

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- 2014-2019 University of North Carolina - Chapel Hill  
*ANTH 470: Biomedicine and Anthropology*  
*ANTH 101: Introduction to Anthropology*  
*ANTH 319: Global Health*  
*ANTH 284: Culture and Consumption*  
*ANTH 142: Local Cultures, Global Forces*  
*ANTH 318: Human Growth and Development*
- 2016 Instituto de Investigación Nutricional - Lima, Peru  
*FSHN 496A: Multidisciplinary Experiential Study of International Nutrition*,

- 2013 University of Alabama - Tuscaloosa  
*ANTH 270: Introduction to Physical Anthropology,*
- 2013 Catholic University of Health and Allied Sciences at Bugando - Mwanza, Tanzania  
*ANTH 589: Nutritional Anthropology,*

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### STUDENT MENTORING AND ADVISING

#### Doctoral Guidance Committee

- 2020-present Sofiya Shreyer, Anthropology (member)

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### DEPARTMENTAL AND UNIVERSITY SERVICE

- 2021-present Armelagos-Swedlund Graduate Research Award Committee, Department of Anthropology, University of Massachusetts – Amherst
- 2020-present COVID-19 Course Load Policy Task Force, Department of Anthropology, University of Massachusetts – Amherst
- 2020-present Undergraduate Curriculum Committee, Department of Anthropology, University of Massachusetts – Amherst
- 2019-2020 Graduate Representative for Admissions Committee (Biological Anthropology): Department of Anthropology, University of North Carolina – Chapel Hill
- 2019 Course Assistant for *Anth 676: Research Methods in Human Biology*. Chapel Hill, NC
- 2013-2014 Developmental Ecology and Human Biology Lab New Member Trainer: Department of Anthropology, University of Alabama - Tuscaloosa

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### RESEARCH EXPERIENCE: FIELD & LABORATORY

- 2017-2018 Dissertation fieldwork - Lima, Peru: 11.5 months
- 2016 Pre-Dissertation fieldwork - Lima, Peru: 1.5 months
- 2015 Pre-Dissertation fieldwork - Lima, Peru: 2 months
- 2014-present University of North Carolina Human Biology Lab
- 2013 Master's fieldwork - Mwanza, Tanzania: 3 months
- 2012-2014 University of Alabama Developmental Ecology and Human Biology Lab
- 2010-2011 Pennsylvania State University Put's Lab

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### RESEARCH EXPERIENCE: TRAINING & WORKSHOPS

- 2019 UNC Microbiome Core Facility: Bioinformatics Workshop. Chapel Hill, NC.  
Two-day workshop on the analysis of next generation sequence data for microbiomes

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### PROFESSIONAL MEMBERSHIPS

- 2020-present Human Biology Association (Fellow)
- 2019-present Society for Applied Anthropology
- 2018-2019 Exploring Wellbeing: Human-Environment Relations in Indigenous and Afro-descendant Communities Working Group
- 2017-present American Anthropological Association
- 2017-present Latin American Studies Association
- 2016-2017 Evolutionary Perspectives on Global Health: Plasticity and Pathways Working Group
- 2016-2017 Anthropology Curriculum Committee Student Representative
- 2015-present Population Association of America
- 2014-present University of North Carolina Society of Anthropology Students
- Faculty Liaison: 2019-2020
- Teaching and Curriculum Advocate: 2019-2020
- Teaching and Curriculum Advocate: 2017-2018 (declined)
- Welcome Weekend Chair: 2016-2017
- Welcome Weekend Committee: 2015-2016
- 2013-2020 Human Biology Association (Student)

## **PROFESSIONAL SKILLS**

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**Proficient In:** Microsoft Word, Excel, PowerPoint, STATA, Dried Blood Spot Collection, Enzyme Immunoassay, Adult and Child Anthropometry

**Spanish Language:** Intermediate Conversational, Reading, and Writing Language Proficiency Assessment. El Sol - Escuela de Español, Miraflores, Lima, Peru, December 2017

References available upon request