

CURRICULUM VITAE

Lucia Herrero

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EDUCATION

The Pennsylvania State University

Anticipated 2029

Doctoral Student in Developmental Psychology and Social and Behavioral Neuroscience

Advisor: Koralý Pérez-Edgar, Ph.D

Stanford University

2015

Bachelor of Arts in Archaeology

3.75 GPA

RESEARCH EXPERIENCE

Research Assistant, Cognition, Affect, and Temperament Lab

The Pennsylvania State University, Department of Psychology

2023 - Present

PI: Koralý Pérez-Edgar, Ph.D

HEALTHY Brain and Child Development (HBCD)

- Collecting data utilizing behavioral, EEG, fMRI, and physiological methods.
- Interfacing with undergraduate and post-baccalaureate RAs, project coordinators, and lab managers within the CAT Lab and across multisite collaborators.
- Testing and maintaining functionality of lab equipment.

Parent-Child Anxiety Transmission (PCAT)

- Proposed NIH Diversity Supplement: Understanding the Interplay between Parent and Child Contributions in Parent-Child Anxiety Transmission
- Establishing the behavioral coding schema for the Disruptive Behavior Diagnostic Observation Schedule (DB-DOS) task.
- Training and managing undergraduate and post-baccalaureate coding team.
- Analyzing and interpreting data for lab publications and presentations.

Research Assistant, Social Determinants of Cognition, Behavior, and Health Lab

Boise State University, Department of Psychological Sciences

2020-2023

PI: Cindy E. McCrea, Ph.D

- Investigated the effect of social exclusion on self-regulation, attentional control, and food choice in restricted eaters.
- Constructed research design incorporating paradigms to assess ostracism (Cyberball, Social Media Ostracism Paradigm (SMOP)), attentional control (STROOP, Anagram Task), food choice (Dutch Eating Behaviors Questionnaire, Food Choice Task) and social anxiety (Social Interaction Anxiety Questionnaire).
- Utilized JavaScript to interface open-source research paradigms (Cyberball, SMOP, STROOP) into Qualtrics. Adapted the Food Choice Task for inclusion in Qualtrics.
- Completed CITI Training and compiled and submitted BSU IRB documents.
- Operationalized and managed survey data on Qualtrics, Amazon MTurk, and SONA.
- Wrote SAS 9.4 code to produce univariate statistics and correlations. Scored and analyzed Food Choice Task data with mixed linear models.

Senior Research Project, Catalhöyük Research Project

Stanford University, Stanford Archaeology Center

2013-2015

- Utilized geospatial program ArcGIS to conduct a spatial relationship analysis of human burials.
- Managed and cleaned raw geographical coordinate data before import into ArcGIS.
- Transferred and downloaded data from on-site local access network in Turkey to university servers in the United States.
- Excavated burials and collected spatial data points on-site via TotalStation.

Research Assistant, Proyecto Arqueológico Chavín de Huántar

Stanford University, Stanford Archaeology Center

2011-2012

- Created a 3D site visualization by transforming geographical coordinates into spatial mesh data utilizing Meshlab imaging software.
- Constructed a 3D architectural site model using CAD design software.
- Managed and cleaned raw geographical coordinate data in Excel.
- Collected geographic data points on-site utilizing TotalStation.

Research Assistant, El-Hemmeh Research Project

Stanford University, Stanford Archaeology Center

2012

- Conducted a self-designed experimental project testing hearth functionality and human use patterns using on-site materials.

Student Researcher, Farke Lab

Raymond M. Alf Museum of Paleontology, The Webb Schools

2007-2011

- Utilized CT technology to scan fossil specimen braincases.
- Created 3D models of the semicircular canals and brain endocasts using CT scans via the biomedical imaging program Slicer.
- Used models to estimate soft tissue volume to establish timelines of species brain development as well as physiological posture.

PUBLICATIONS

202X McCrea, C. E. & **Herrero, L.** Social exclusion fails to induce distress-related depletion during food choice. [Manuscript in Review]. Department of Psychological Sciences, Boise State University.

2023 **Herrero, L.**, & McCrea, C. E. (2023). Hunger modulates perceptions of food health but not taste in restricted eaters. *Frontiers in psychology, 14*, 1212778. <https://doi.org/10.3389/fpsyg.2023.1212778>

2014 Farke, A. A., & **Herrero, L.** (2014). Variation in the skull roof of the hadrosaur *Gryposaurus* illustrated by a new specimen from the Kaiparowits Formation (late Campanian) of southern Utah. In *Hadrosaurs* (pp. 191–199). Indiana University Press.

2010 **Herrero, L.**, & Farke, A. A. (2010). Hadrosaurid dinosaur skin impressions from the Upper Cretaceous Kaiparowits Formation of southern Utah, USA. *PalArch's Journal of Vertebrate Palaeontology, 7*(2), 1–7.

PRESENTATIONS

2022 **Herrero, L.** & McCrea, C. (2022, May 26-29). *Ostracism Evokes Distress and Depletes Self-Regulation in Restricted Eaters* [Poster presentation]. Association of Psychological Science 2022 Convention, Chicago, IL, United States.

2010 **Herrero, L.** & Farke, A.A. (2010, October 10-13). *Morphological variation in the hadrosaur dinosaur Gryposaurus from the Kaiparowits Formation (late Campanian) of southern Utah* [Poster presentation]. Society of Vertebrate Paleontology 2010 Conference, Pittsburgh, PA, United States.

2009 Farke, A. A., Georgi, J., **Herrero, L.**, & Pujji, N. (2009, May 22-23). *Anatomy of the semicircular canals and head posture in Champsosaurus (Diapsida: Choristodera)* [Poster presentation]. Advances in Western Interior Late Cretaceous Paleontology and Geology 2009 Conference, St. George, UT, United States.

GRANTS AND AWARDS

Bunton-Waller Graduate Award

The Pennsylvania State University 2023

Strumpf Graduate Enhancement Award

The Pennsylvania State University 2023

Graduate Start Up Enhancement Award

The Pennsylvania State University 2023

Student Travel Grant

Boise State University 2022

Undergraduate Research & Advising Major Grant

Stanford University 2013

Vice Provost for Undergraduate Education Grant

Stanford University 2013

Stanford Archaeology Center Travel Grant

Stanford University 2012

Vice Provost for Undergraduate Education Grant

Stanford University 2011

ATU Scholarship Program – Local #1277

Amalgamated Transit Union 2010

RELEVANT ACADEMIC EXPERIENCE

Guest Lecturer

The Pennsylvania State University 2023-Present

- Developing and delivering seminar-style presentations for undergraduates.

PSYCH 105 – The Research Process (50 minutes) October, 2023

Teaching Assistant

The Pennsylvania State University

2023-Present

- Contributing key classroom support by attending lectures, leading discussions and review sessions, grading assignments and exams, developing exam questions, and providing class and career advice.

PSYCH 105 – Psychology as a Science and Profession (Melissa Plaufcan, Ph.D.) Fall 2023

Administrative Assistant

The Pennsylvania State University

2023-Present

- Operationalizing the Penn State Psychology Department DEI Committee, including scheduling and attending meetings, creating agendas, preparing minutes, and hosting education and outreach events.

Member, DEI Committee

The Pennsylvania State University

2023-Present

- Department-wide committee dedicated to uplifting and empowering underrepresented voices and committed to ongoing accountability for students, faculty, and staff of Penn State University. Serving on the Education & Dialogue and Communication & Outreach Subcommittees.

Member, BRIDGE Diversity Alliance

The Pennsylvania State University

2023-Present

- Graduate student diversity action alliance interested in promoting and addressing diversity-related issues within the Psychology department, community, and beyond.

Member, Alumni DEI Focus Group

The Webb Schools

2020-Present

- Independent alumni group committed to elevating the voices and experiences of diverse students, faculty, and alumni of The Webb Schools. Developing DEI strategic initiatives including crafting land acknowledgments, proposing curriculum criteria, and cultivating affinity groups.

Tutorial in Kantian Philosophy, Brasenose College

University of Oxford

2013

- Completed an in-depth exploration of Kant's epistemology, ethics, and aesthetics in the one-on-one tutorial style at Brasenose College, Oxford.

PROFESSIONAL EXPERIENCE

Executive Operations Manager, EPIC Notes, LLC

2016-Present

- Conducting market research to establish trends, identify viable investment opportunities, and facilitate strategic acquisitions.
- Managing assets, including bookkeeping, performing cost and risk analyses, and securing grant funding.

- Museum Collections Assistant**, Alf Museum of Paleontology *2014-2020*
- Identified, cataloged, photographed, and digitized fossil specimens in support of ongoing accreditation and research efforts.
 - Conducted annual specimen inventory and site reports for government agencies including the US Forest Service and the Bureau of Land Management.
 - Trained and supervised employees, students, and volunteers in specimen handling, identification, cataloging, curation, photography, and digitization.

- Pathways Program Intern**, U.S. Bureau of Land Management *2014*
- Identified, cataloged, photographed, and digitized fossil specimens under U.S Bureau of Land Management ownership.

- Museum and Field Intern**, Museum of Western Colorado *2012*
- Organized museum collections and cataloged specimens. Trained and supervised volunteers in data collection and recording techniques.

- Museum Intern**, Alf Museum of Paleontology *2007-2011*
- Installed permanent exhibits and designed temporary exhibits.
 - Participated in live and online outreach events for K-12 students including informational presentations and tours.

SKILLS

- Databasing**, Microsoft Access & Excel, Specify
- Managed large-scale scientific data utilizing Microsoft Access and Specify.
 - Facilitated a collections-wide database migration project from Microsoft Access to Specify by standardizing nomenclature and correcting identification, typographical, and duplication errors at the Raymond M. Alf Museum of Paleontology.

- Statistics and Data Visualization**, Microsoft Excel, R, SAS, Adobe Photoshop, Canva, and Prism
- Conducting multivariate statistical analyses in R.
 - Conducting mixed model analyses in SAS 9.4 to determine main effects and interactions.
 - Creating images and figures for poster presentations and manuscripts in Excel, R, and Prism.
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- Imaging**, Agisoft Photoscan, 3D Slicer
- Created 3D models from photographic data sets processed in Agisoft Photoscan for the Proyecto Arqueológico Chavín de Huántar and the Raymond M. Alf Museum of Paleontology.
 - Created 3D models from CT scans in Slicer to study fossil brain anatomy at the Raymond M. Alf Museum of Paleontology.

Language, Heritage speaker of Spanish

Survey and Data Collection, Amazon MTurk, Qualtrics, SONA

- Researched the Amazon MTurk platform, determined qualifications and compensation, facilitated payments, uploaded and managed surveys, and approved HITs for the Social Determinants of Cognition, Behavior, and Health Lab.
- Interfaced programs and adapted multiple psychological measures for use in Qualtrics; interfaced Qualtrics with SONA to collect student survey data for the Social Determinants of Cognition, Behavior, and Health Lab.