**ALYSSA ORTEGA**

aortega59@ucmerced.edu

**RESEARCH INTERESTS**

Gesture, Learning, Problem Solving, Development, Education, Language Acquisition

**EDUCATION**

Aug 2019 – May 2023

B.A. in Cognitive Science University of California, Merced

B.A. in Psychology University of California, Merced

**RESEARCH EXPERIENCE**

Nov 2022 - Present

May 2023 – Present

**Lab Manager for Marghetis Lab, University of California, Merced**

Dr. Tyler Marghetis - [tyler.marghetis@gmail.com](mailto:tyler.marghetis@gmail.com)

Contributed to the creation of a databank on spatial FoRs, Data analysis using R, Video coding using ELAN, Set up experiments using Qualtrics, Running participants through in-person behavioral studies, etc.

**Lab Manager for LInC Lab, University of California, Merced**

Dr. Rachel Ryskin, Director – [rryskin@ucmerced.edu](mailto:rryskin@ucmerced.edu)

Setting up and running EEG participants, EEG data preprocessing in MATLAB, Audio coding using Praat, Participant scheduling and overall lab coordination, etc.

**HONORS & AWARDS**

2019 - 2023

2019 - 2023

8 Time Dean’s Honor List

4 Time Chancellor’s Honor List

**PUBLICATIONS**

Tabatabeian, S., **Ortega, A.**, Deluna Obi, A., Landy, D., Marghetis, T. (*in preparation*). What is the body doing, when the body does mathematics?

Tabatabeian, S., **Ortega, A.**, Deluna Obi, A., Landy, D., Marghetis, T. (*in progress*). Physical movement as epistemic action: Correlational and experimental evidence that experts and novices use motion to facilitate creative insight.

Moser, C., **Ortega, A.**, Marghetis, T. (*in progress*). The social life of philosophical debate: Using network science to quantify 2000 years of global philosophy.

Li, J., **Ortega, A.**, Futrell, R., & Ryskin, R. (*in progress*). Do ERP indices of rational inference in real-time comprehension track the noise rate in the environment?

Tabatabeian, S., **Ortega, A.**, Deluna Obi, A., Landy, D., Marghetis, T. (*2024*). Stepping back to see the connection: Movement during problem solving facilitates creative insight. *Proceedings of the 46th Annual Meeting of the Cognitive Science Society.* Rotterdam, Netherlands.

Marghetis, T., **Ortega, A.**, & Holmes, K. J. (*2024*). Ecological relativity of spatial cognition: Humans think about space egocentrically in urban environments. *Proceedings of the 46th Annual Meeting of the Cognitive Science Society.* Rotterdam, Netherlands.

**TALKS**

Tabatabeian, S., **Ortega, A.**, Deluna Obi, A., Landy, D., Marghetis, T. (July 2024). Stepping back to see the connection: Movement during problem solving facilitates creative insight. *46th Annual Meeting of the Cognitive Science Society.* Rotterdam, Netherlands.

**POSTERS**

Marghetis, T., **Ortega, A.**, & Holmes, K. J. (July 2024). Ecological relativity of spatial cognition: Humans think about space egocentrically in urban environments. *46th Annual Meeting of the Cognitive Science Society.* Rotterdam, Netherlands.

Li, J., **Ortega, A.**, Futrell, R., & Ryskin, R. (December 2023). Do ERP indices of rational inference in real-time comprehension track the noise rate in the environment? *Architectures and Mechanisms for Language Processing Asia.* Hong Kong, China.

**Ortega, A.** (2022). The Link between Stress & Depression in Emerging Adults. *University of California, Merced Culminating Experience Project.*

**TEACHING**

Sept – Nov 2021 Student Teacher’s Assistant, Donn B Chenoweth Elementary school

**SKILLS**

* R (intermediate)
* Qualtrics (intermediate)
* ELAN (intermediate)
* EEG Experimentation (intermediate)
* MATLAB (beginner)
* Praat (beginner)
* SPSS (beginner)
* Python (beginner)

**LICENSES & CERTIFICATIONS**

Aug 2022

Aug 2022

Social & Behavioral Responsible Conduct of Research, CITI Program

Social/Behavioral Research Course, CITI Program