

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

Dr. Tyler Marghetis - 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.

May 2023 – Present

Lab Manager for LInC Lab, University of California, Merced

Dr. Rachel Ryskin, Director – 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 8 Time Dean's Honor List

2019 - 2023 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 Social & Behavioral Responsible Conduct of Research, CITI Program

Aug 2022 Social/Behavioral Research Course, CITI Program