

Mingli Liang

Ph.D. candidate
Department of Psychology

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University of Arizona

EDUCATION

- University of Arizona** *expected Jan 12 2022*
Ph.D. in Psychology, advisor: **Arne Ekstrom**
Minor in Cognitive Science
- University of California, Davis** *2018*
M.A. in Psychology, advisor: **Arne Ekstrom**
- Renmin University of China** *2016*
B.S. in Applied Psychology
- Peking University** *2016*
B.S. in Economics

PUBLICATIONS

- Jingyi Zheng, Mingli Liang, Sujata Sinha, Linqiang Ge, Wei Yu, Arne Ekstrom and Fushing Hsieh, Time-frequency Analysis of Scalp EEG with Hilbert-Huang Transform and Deep Learning, *IEEE Journal of Biomedical and Health Informatics*, 2021; doi: <https://doi.org/10.1109/JBHI.2021.3110267>
- Mingli Liang, Jingyi Zheng, Eve Isham and Arne Ekstrom; Common and Distinct Roles of Frontal Midline Theta and Occipital Alpha Oscillations in Coding Temporal Intervals and Spatial Distances. *Journal of Cognitive Neuroscience* 2021; doi: https://doi.org/10.1162/jocn_a_01765
- Mingli Liang, Michael Starrett and Arne Ekstrom. Dissociation of frontal-midline delta-theta and posterior alpha oscillations: A mobile EEG study. *Psychophysiology*. 2018; 55:e13090. <https://doi.org/10.1111/psyp.13090>

PRESENTATIONS

- Mingli Liang. Introduction to the Electrophysiology of Human Spatial Navigation. Psychology lecture series at Osher Lifelong Learning Institute at the University of Arizona. Sept 2021.
- Mingli Liang and Arne Ekstrom. Wireless scalp EEG and immersive virtual reality provide novel insight into the neural basis of human spatial navigation. *Talk at Society for Psychophysiological Research Conference 2019*, Washington DC
- Mingli Liang Sevan Harootonian, Kendra Drake, Eve Isham and Arne Ekstrom. Low-frequency neural oscillations code distance and temporal durations as measured with scalp EEG and hippocampal intracranial recordings. *Talk at Society for Neuroscience Conference 2019*, Chicago IL
- Mingli Liang, Michael Starrett and Arne Ekstrom. Do frontal human cortical theta oscillations during free ambulation code spatial distance, temporal interval, or both? *Society for Neuroscience Conference 2018*, San Diego CA.
- Mingli Liang, Michael Starrett and Arne Ekstrom. Behavioral correlates of human cortical theta oscillations during immersive virtual navigation and teleportation. *2nd Interdisciplinary Navigation Symposium 2018*, Quartier Tremblant, Québec Canada.

Mingli Liang, Michael Starrett and Arne Ekstrom. Dissociation of FM Delta-theta and Posterior Alpha Oscillations: A Mobile EEG Study. *Society for Neuroscience Conference 2017*, Washington DC.

HONORS AND AWARDS

Galileo Circle Scholar, College of Science, University of Arizona (1000\$)	<i>2021</i>
Herbert E. Carter Travel Award (750\$), University of Arizona	<i>2019</i>
Outstanding Research in Cognitive Science Awards, University of Arizona (200\$)	<i>2018</i>
Dukes Travel Award (300\$), UC Davis	<i>2017</i>
Department of Psychology Research Showcase, third best, UC Davis (100\$)	<i>2017</i>
Psychology Department Fellowship, UC Davis	<i>2016</i>
Presidential Fellowship for UC Davis Global Study Program (30000\$)	<i>2014-2015</i>

PROFESSIONAL TRAINING

ECoG/sEEG Fieldtrip bootcamp	<i>Davis CA, 2019</i>
ERP boot camp at UC Davis Center for Mind and Brain	<i>Davis CA, 2017</i>

RESEARCH MENTORSHIP

Stephanie Doner (undergraduate research assistant)	<i>Jan-May 2019</i>
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