

# Mingli Liang

Postdoctoral associate

Department of Psychiatry, School of Medicine, Yale University

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## EDUCATION

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PhD in psychology, University of Arizona, advisor: Arne Ekstrom	Jan 2022
MA in psychology, UC Davis	2018
BS in psychology, Renmin University of China	2016
BS in economics, Peking University	2016

## PUBLICATIONS

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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](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

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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**

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Galileo Circle Scholar, College of Science, University of Arizona	2021
Herbert E. Carter Travel Award, University of Arizona	2019
Outstanding Research in Cognitive Science Awards, University of Arizona	2018
Dukes Travel Award, UC Davis	2017
Psychology Department Fellowship, UC Davis	2016
Presidential Fellowship for UC Davis Global Study Program (30000\$)	2014

## **PROFESSIONAL TRAINING**

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ECoG/sEEG Fieldtrip bootcamp	2019
ERP boot camp at UC Davis Center for Mind and Brain	2017

## **RESEARCH MENTORSHIP**

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Stephanie Doner	2019
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