CURRICULUM VITAE

TIANHE WANG

Tianhe Wang

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RESEARCH INTERESTS

Flexibility in human learning and decision-making. Computational principles of motor control and skill acquisition. The role of the cerebellum in cognition.

EDUCATION

2020-2026

PhD in Psychology, concentration in Cognitive Neuroscience

Department of Psychology, University of California Berkeley, Berkeley, CA USA

Advisor: Richard Ivry

2016-2020

Bachelor of Science in Biological Science

Honor Thesis: How children and adolescents balance between equity and efficiency

School of Life Science, Peking University, Beijing, China

PUBLICATIONS

Manuscripts under review

2024

T Wang*, Y Fang, D Whitney

Sequential effects in reaching reveal efficient coding in motor planning

BioRxiv.

2024

T Wang*, J Li, RB Ivry

Attention defines the context for implicit sensorimotor adaptation

BioRxiv.

2024

T Wang*, RB Ivry

Contextual effects during sensorimotor adaptation are an emergent property of population coding in the

cerebellum

BioRxiv.

Peer-reviewed manuscripts

2024

T Wang, RJ Morehead, JS Tsay, RB Ivry

The origin of movement biases during reaching

Elife

2024

T Wang, G Avraham, JS Tsay, SJ Abram, RB Ivry

Perturbation variability does not influence implicit sensorimotor adaptation

PLOS Computational Biology

2024

T Wang, G Avraham, JS Tsay, T Thummala, RB Ivry

Advanced feedback enhances sensorimotor adaptation

Current Biology

2023

S Chen, **T Wang**, Y Bao

Serial dependence in timing at the perceptual level being modulated by working memory

PsyCh Journal

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	2023	NM van Mastrigt, JS Tsay, T Wang , G Avraham, SJ Abram, K van der Kooij, JBJ Smeets, RB Ivry Implicit reward-based motor learning Experimental Brain Research
	2023	T Wang , Y Luo, RB Ivry, JS Tsay, E Pöppel, Y Bao A unitary mechanism underlies adaptation to both local and global environmental statistics in time perception PLOS Computational Biology
	2022	JS Tsay, T Najafi, L Schuck, T Wang , RB Ivry Implicit sensorimotor adaptation is preserved in Parkinson's disease Brain Communications
	2021	T Wang, JA Taylor Implicit adaptation to mirror reversal is in the correct coordinate system but the wrong direction Journal of neurophysiology
	2021	T Wang , Z Zhu, I Kana, Y Yu, H He, K Wei Accuracy of hand localization is subject-specific and improved without performance feedback Scientific Reports
FELLO	WSHII	PS & AWARDS
	2025	NCM Scholarship award, Society for the Neural Control of Movement
	2022	Travel Fellowship, University of California Berkeley
	2021	Department Fellowship, University of California Berkeley
	2020	Shentong Distinguished Graduate Award, Peking University
TALKS		
	2025	Contextual effects during implicit recalibration are an emergent property of population coding in a cerebellar model
		Neural Control of Movement Conference, Panama City, Panama
	2025	Cerebellar ataxia patients exhibit accurate representation of a temporal prior despite noisy evidence Cerebellum Gordon Research Seminar, Vaud, Switzerland
	2023	A cerebellar population coding model for sensorimotor adaptation 2023 Berkeley Neuroscience Conference, Taheo City, CA
	2023	A cerebellar population coding model for sensorimotor adaptation Advances in Motor Learning and Motor Control, Washington DC, USA
	2022	Serial dependence reveals an active suppression in the sequential motor planning Advances in Motor Learning and Motor Control, San Diego, CA
	2021	Why is online feedback more effective than endpoint feedback for sensorimotor adaptation? Advances in Motor Learning and Motor Control, Virtual Conference
	2021	Sequential effect in duration reproduction is from both perception and response

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Tianhe Wang

International Conference on Spatial Cognition, Rome, Italy

PROFESSIONAL EXPERIENCES

Teaching Experience

2023	Graduate student instructor
	Human Neuroanatomy
	Department of Psychology, UC Berkeley
2021	Graduate student instructor Cognitive Neuroscience Department of Psychology, UC Berkeley
2018	Undergraduate teaching instructor Methods in Psychology Research Department of Psychology, Peking University

Service Experience

2023-2024	Member of Searching Committee for the Biological Basis of Behavior, UC Berkeley
2023	Graduate Student Mentor for Research Experience Pathways in Psychology Program, UC Berkeley

Ad Hoc Reviewer

Journal of Neuroscience; Cerebral Cortex; Communications Biology; Journal of Neurophysiology; Scientific Reports; NPJ Science of Learning; Human movement science; Journal of Behavioral and Brain Science