

Leo Chenyang Lin

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Education

- 2017-2021 B.S. in Neuroscience, minor in Asian Linguistic Studies, UCLA
- Advisors: Ladan Shams, Ph.D., Liz Carter, Ph.D.
 - Thesis Second Reader: David Clewett, Ph.D.
- 2018 Korean Language Institute, Yonsei University (연세대학교), Seoul, Korea
- 2017 Summer Exchange Program, Brown University

Publications, Working Papers & Talks

WORKING PAPERS

Haygood, S., Lin, C., Shams, L. (In Prep). The cross-modal effects of resolution on enjoyment of real-life images and sounds.

Lin, C., Mottaghi, S., Shams, L. (2022). The effects of color on the enjoyment of real-life images. *Psychonomic Bulletin & Review*, (Revised and resubmitted). Preprint at PsyArxiv.

Bai, Y. Lin, C. (2022). Superimposed Agenda: A Multimodal Translingual Comparison of Telops in Japanese, Korean, and Chinese Television Shows. *Language & Communication*, (Under Review). Preprint at SocArxiv.

Lin, C., Shams, L. (2022). The Box-Circle Illusion. *Perception*, (In Revision).

PUBLICATIONS

Lin, C.*, Yeh, M.*, Shams, L. (2022). Subliminal audio-visual congruency in music videos enhances viewer's perceptual pleasure. *Neuroscience Letters*, 779, 136623.

Lin, C.*, Tong, Y.*, Bai, Y., Zhao, Z., Quan, W., Liu, Z., Wang, J., Song, Y., Tian, J., Dong, W. (2021). Prevalence and correlates of depression and anxiety among Chinese international students in US colleges during the COVID-19 pandemic: A cross-sectional study. *PLoS ONE* 17(4):e0267081.

Lin, C. (2021). Who's to blame? A discourse analytic comparison of the news reports on the killing of George Floyd and the associated social movements in Mainland China and Taiwan. *Chinese Language and Discourse*. 13(2), 197-225.

PRESENTATIONS

- Lin, C. , Fonteneau, C., Lee, K., Berkovitch, L., Pan, L., Tamayo, Z., Wei, X., Repovs, G., Murray, J., Lui, S., Gong, Q., Anticevic, A. (2023). 441. Mapping the Neurobiological and Behavioral Progression of Early Course Schizophrenia. *Biological Psychiatry*, 93(9), S273. San Diego, CA.
- Lin, C., Yeh, M., Shams, L. (2021, May). Subliminal audiovisual temporal congruency in music videos enhances viewer's perceptual pleasure. UCLA Undergraduate Research Showcase, Los Angeles, CA.
- Lin, C. (2021, May). Analysis of Chinese television news media from a racial discourse perspective. UCLA Undergraduate Research Showcase, Los Angeles, CA.
- Lin, C., Yeh, M., Shams, L. (2021, April). An investigation into the temporal dimension of cross-modal sensory integration and its effects on affective response. Neuroscience Poster Day, Semel Institute for Neuroscience and Human Behavior, Los Angeles, CA.

LAB TALKS

- Lin, C. (2021, October) A comparison of DCAN and minimal preprocessing pipelines for large longitudinal neuroimaging datasets, using the Adolescent Brain Cognitive Development (ABCD) Study as an example. Anticevic Lab, Yale School of Medicine.
- Foery, A., Quintero, S., Lin, C. (2021, February) The effects of mindfulness meditation, sensory overload, and sensory deprivation on learning and memory. Shams Lab, UCLA.

Research Experience

2023

Research Assistant (Part-time Collaborative), Gilbert Lab

PI: Daniel Gilbert, Mentor: Bethany Burum, Ph.D.

Department of Psychology, Harvard University

Research questions: Does plausible deniability help us? Do we benefit from plausible deniability even when others can see through it? What is the connection between motivated reasoning and persuasion? To what degree are our personal beliefs biased because they are preparing us to "make our case" convincing to others?

2021 - 2023

Postgraduate Research Associate (Full-time), Anticevic Lab and Cho Lab

PI: Alan Anticevic, Ph.D. Youngsun Cho, M.D., Ph.D.

Department of Psychiatry, Yale University School of Medicine

Research questions: Based on the computational neuroscience understanding of the role of D1R/D5Rs in cortical systems, what are the effects of the partial agonists on the resting connectivity of D1R/D5Rs networks and working memory performance? What are the functional and structural dysconnectivity patterns in unmedicated early-course schizophrenia patients and how are they associated with cardinal SCZ symptoms, cognitive deficits and treatment response?

- Conducted analyses on task-based time series and resting state connectivity using general linear and mixed effect models; conducted multimodal fMRI, eyetracking, and physiological data acquisition, Human Connectome Project (HCP) pre-processing, multi-site data-monitoring and visually-based QC
- Lead point on neuroimaging and clinical data monitoring, processing, and analysis for an NIH-funded longitudinal study and a U01 clinical trial
- Certified to independently conduct clinical interviews, neuropsychology testing batteries, working memory computer tasks, and blood centrifuging
- Coordinated nursing support, patient information registration, investigation product dispensation, and drug control

2018 - 2022 **Student Researcher, Multisensory Processing Laboratory**
PI: Ladan Shams, Ph.D.
Department of Psychology, UCLA

Research questions: How and at what processing level do cross-modal sensory features in audio-visual stimuli influence observers' perceptual pleasure? To what extent is Bayesian causal inference available to the consciousness? How do perceptual properties like color information, saturation, and resolution in audio-visual stimuli affect perceptual pleasure?

- Designed and conducted independent research projects on audio-visual perception and memory and presented findings as talks, posters, and manuscripts
- Led a team of eight research assistants for subject recruitment, experiment running, and data monitoring; trained incoming RAs on human subject protection, ethical conduct, subject consent, and WebIRB
- Lead point in organizing lab-initiated symposiums, workshops, and lab meetings; manager of the lab website

2020 - 2021 **Student Researcher, Applied Linguistics and Discourse Studies**
Advisor: Liz Carter, Ph.D.
Department of Asian Languages and Cultures, UCLA

Research questions: How are the racial connotations constructed in Chinese news media through presentational forms, sourcing patterns, lexical and syntactic choices? To what extent are telops multimodal across East Asian television industries? What roles do telops play in public agenda setting?

- Conducted independent research using both library and multimodal data-driven methods, analyzed quantitative data with regression models
- Conducted qualitative assessments and quantitative feature coding on primary sources of discourse corpora in English, Chinese, and Korean
- Used toolkits, such as AntConc, for text annotation, concordance, and visualization within large-scale textual corpora

2019 **Research Assistant, Laboratory for Clinical and Affective Psychophysiology**
PI: Gregory A. Miller, Ph.D., Cindy Yee-Bradbury, Ph.D.
Department of Psychology, UCLA

Research question: What social factors impair sensory gating in early-course and chronic schizophrenia?

- Implemented experiments on early-stage schizophrenia populations and healthy controls using EEG and EKG with a focus on using the suppression of the P50 component in event-related brain potentials to identify the sensory gating deficits in schizophrenia
- Monitored and recorded the subjects' behaviors during the experimental sessions
- Monitored EEG and EKG data recording during experimental sessions for abnormalities due to systematic errors

Other Research Projects

2021 - 2023 The Adolescent Brain Cognitive Development (ABCD) Project, Cho Lab, Yale School of Medicine

2021 - 2023 A Translational and Neurocomputational Evaluation of a Dopamine Receptor 1 Partial Agonist for Schizophrenia (TRANSCENDS), Anticevic Lab, Yale School of Medicine

2021 - 2023	Mapping the Longitudinal Neurobiology of Early-course Schizophrenia (US-China Longitudinal), Anticevic Lab, Yale School of Medicine
2022	Audio-visual Resolution and Perceptual Pleasure, Multisensory Processing Lab, UCLA
2021	Cross-modal Memory Encoding through Name Tags, Multisensory Processing Lab, UCLA

Fellowships, Honors, and Awards

2021-2023	Post-graduate Research Fellowship, Yale School of Medicine
2021	College Honors, UCLA College of Letters and Science
2021	Magna Cum Laude, UCLA College of Letters and Science
2021	Phi Beta Kappa, UCLA
2021	Departmental Highest Honors, UCLA Neuroscience Interdepartmental Program
2021	Outstanding Poster Awards, Semel Institute for Neuroscience and Human Behavior
2021	Dean's Life Science Award, UCLA Scholarship Center [\$ 6,000 for research project]
2017-2021	Dean's List, UCLA College of Letters and Science
2020	Golden Key International Honors Society
2017	Outstanding Student (ranked 1 out of 45), Yonsei University KLI
2016	Ranked top 100 out of 200,000 fellow students in Fujian Province-wide Academic Exam

Teaching Experience

2022	Teaching Assistant Cognition, Language and Mind Instructor: Nora M. Isacoff, Ph.D.
2021	Teaching Assistant Cognitive Diversity: How experience shapes brains and minds Instructor: Daniel Casasanto, Ph.D.
2021-2022	Mentor, Summer Research Program Introduction to Research Methods in Psychology
2019 - 2021	English Education Podcaster, NetEase, Inc. (over 15,000 active students online)

Affiliations and Peer Review Activities

AFFILIATIONS

2021 - 2022	Cognitive Science Society (CSS)
2020 - 2022	Computational Neuroscience Group, UCLA
2018 - 2022	International Positive Psychology Association (IPPA)
2018 - 2020	Neuroscience Undergraduate Society (NUS), UCLA

AD HOC REVIEWER

Undergraduate Research Journal
Journal of International Students
International Journal of Clinical and Health Psychology
BMC Psychology

Leadership

2022 - 2023	Music Director, Contour A Cappella, Yale University
2019 - 2021	Music Director, SouLA A Cappella, UCLA
2020 - 2021	Co-Founder, PeerLink Mentorship Program (500+ active student mentors and mentees)
2018 - 2020	President, Society of Visiting Scholars at UCLA
2018	Co-Founder, Youth Launch English Summer Program

Volunteering

2022 - 2023	Technical Translator, Neureality
2021 - 2022	UCLA Scholarship Application Reviewer
2019 - 2020	Mindfulness Ambassador, UCLA
2018 - 2020	Consultant and Coordinator, UCLA Mental Health Protection Group
2016 - 2017	Volunteering Intern, Xiamen Municipal Mental Health Center

Skills

Tools	PsychoPy (experiment builder), Qualtrics (experiment builder), SPSS (data analysis), REDCap (data collection and management), Ableton and Logic (audio editing), Workbench View (Neuroimaging), Microsoft Office, Adobe Premiere (video editing), Canva (graphic design)
Programming	Python, RStudio, Unix, Bash, Git, basic JS, \LaTeX
Laboratory	MRI, EEG, eye tracking (EyeLink), EKG, optical microscopy, SRP, ELISA, SDS-PAGE, bacterial colony plating and screening, titration, and filtration of amino acid
Clinical administration	Structured Clinical Interview for DSM-5 (SCID-5), Positive and Negative Syndrome Scale (PANSS), Penn Computerized Neurocognitive Battery (PennCNB), Columbia-Suicide Severity Rating Scale (C-SSRS), Wechsler Adult Intelligence Scale-IV (WAIS-IV), M.I.N.I. International Neuropsychiatric Interview
Languages	Native speaker in Mandarin and Northern Hakka, fluent in English, conversational Korean, and basic Italian