

Lixiang Chen

Freie Universität Berlin
Habelschwerdter Allee 45
Berlin, Germany
lixiang.chen@fu-berlin.de

Education

Sep 2019 – present, PhD student

Department of Education and Psychology, Freie Universität Berlin, Berlin, Germany
Major: Cognitive neuroscience
Supervisors: Prof. Radoslaw Martin Cichy & Dr. Daniel Kaiser
Research Topics: Scene and object perception

Sep 2016 – Jun 2019, Master of Education

School of Psychology, South China Normal University, Guangzhou, China
Major: Cognitive neuroscience
Supervisor: Prof. Ruiwang Huang
Research Topics: Multi-modal MRI; Brain abnormalities in affective disorders

Sep 2012 – Jun 2016, Bachelor of Science

Department of Psychology, Henan University, Kaifeng, China
Major: Applied Psychology

Skills

Languages

Chinese (native), English

Programming

Matlab, Python, bash

Data Analysis

EEG data, fMRI data, structural MRI data
Fieldtrip, SPM, FreeSurfer, FSL, PyTorch
Multivariate pattern analysis (MVPA), Representational similarity analysis (RSA), Time-frequency analysis, Deep neural networks (DNNs)

Scholarships & Awards

Chinese Government Scholarship-CSC (2019-2023)

National Scholarship for Postgraduates (2018)

Graduate Scholarship of South China Normal University (2016, 2017, 2018)

Outstanding Student of Henan University (2013, 2016)

Scholarship of Henan University (2013)

Publications

- Chen, L., Wang, Y., Niu, C., Zhong, S., Hu, H., Chen, P., Zhang, S., Chen, G., Deng, F., Lai, S., 2018. Common and distinct abnormal frontal-limbic system structural and functional patterns in patients with major depression and bipolar disorder. *NeuroImage Clin.* 20, 42–50. <https://doi.org/10.1016/j.nicl.2018.07.002>
- Cao, B., Chen, Y., Yu, R., Chen, L., Chen, P., Weng, Y., Chen, Q., Song, J., Xie, Q., Huang, R., 2019. Abnormal dynamic properties of functional connectivity in disorders of consciousness. *NeuroImage Clin.* 24, 102071. <https://doi.org/10.1016/j.nicl.2019.102071>
- Chen, P., Xie, Q., Wu, X., Huang, H., Lv, W., Chen, L., Guo, Y., Zhang, S., Hu, H., Wang, Y., 2018. Abnormal effective connectivity of the anterior forebrain regions in disorders of consciousness. *Neurosci. Bull.* 34, 647–658. <https://doi.org/10.1007/s12264-018-0250-6>
- Deng, F., Zhao, L., Liu, C., Lu, M., Zhang, S., Huang, H., Chen, L., Wu, X., Niu, C., He, Y., 2018. Plasticity in deep and superficial white matter: a DTI study in world class gymnasts. *Brain Struct. Funct.* 223, 1849–1862.
- Fang, X., Chen, L., Wang, J., Zhang, Q., Mo, L., 2020. Do All Types of Compassion Increase Prosocial Lying? *Psychol. Res. Behav. Manag.* 13, 437. <https://doi.org/10.2147/PRBM.S238246>
- Hu, H., Chen, J., Huang, H., Zhou, C., Zhang, S., Liu, X., Wang, L., Chen, P., Nie, K., Chen, L., 2020. Common and specific altered amplitude of low-frequency fluctuations in Parkinson's disease patients with and without freezing of gait in different frequency bands. *Brain Imaging Behav.* 14, 857–868. <https://doi.org/10.1007/s11682-018-0031-x>
- Song, J., Li, J., Chen, L., Lu, X., Zheng, S., Yang, Y., Cao, B., Weng, Y., Chen, Q., Ding, J., 2020. Altered gray matter structural covariance networks at both acute and chronic stages of mild traumatic brain injury. *Brain Imaging Behav.* 1–15.
- Wang, Y., Deng, F., Jia, Y., Wang, J., Zhong, S., Huang, H., Chen, L., Chen, G., Hu, H., Huang, L., 2019. Disrupted rich club organization and structural brain connectome in unmedicated bipolar disorder. *Psychol. Med.* 49, 510. <https://doi.org/10.1017/S0033291718001150>
- Zhang, S., Wang, Y., Deng, F., Zhong, S., Chen, L., Luo, X., Qiu, S., Chen, P., Chen, G., Hu, H., 2018. Disruption of superficial white matter in the emotion regulation network in bipolar disorder. *NeuroImage Clin.* 20, 875–882. <https://doi.org/10.1016/j.nicl.2018.09.024>