

# Xinwei Li

Wenfeng Professor, Ph.D. Supervisor  
School of Life Health Information Science and Engineering  
Chongqing University of Posts and Telecommunications



## EDUCATION

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- **Beihang University** Beijing, China  
B.E. - Biomedical Engineering September 2007 - June 2011
- **Beihang University** Beijing, China  
Ph.D - Biomedical Engineering September 2011 - March 2018
- **University of Illinois at Urbana-Champaign** Champaign, IL, USA  
Beckman Institute - Jointly trained September 2016 - August 2017

## WORKING EXPERIENCE

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- **Chongqing University of Posts and Telecommunications** June 2024 - Present  
Wenfeng Professor, School of Life Health Information Science and Engineering
- **Chongqing University of Posts and Telecommunications** September 2023 - May 2024  
Wenfeng Professor - School of Bioinformatics,
- **Chongqing University of Posts and Telecommunications** January 2022 - August 2023  
Associate Professor - School of Bioinformatics
- **Chongqing University of Posts and Telecommunications** April 2018 - December 2021  
Assistant Professor - School of Bioinformatics

## RESEARCH INTERESTS

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- Medical Image Analysis
- Neuroscience
- Artificial Intelligence

## SELECTED PUBLICATIONS

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1. **MWFNet: A Multi-level Wavelet Fusion Network for Hippocampal Subfield Segmentation**  
Xinwei Li\*, Linjin Wang, Weijian Tao, Hongying Meng, Haiming Li, Jiangtao He, Jun Hu, Yue Zhao, Zhangyong Li.  
*Journal of King Saud University - Computer and Information Sciences*, 2025, 37: 98.
2. **Three autism subtypes based on single-subject grey matter network revealed by semi-supervised machine learning**  
Guomei Xu, Guohong Geng, Ankang Wang, Zhangyong Li, Zhichao Liu, Yanping Liu, Jun Hu, Wei Wang\*, Xinwei Li\*  
*Autism Research*, 2024, 17(10): 1962-1973.

3. **Syn\_SegNet: A joint deep neural network for ultrahigh-field 7T MRI synthesis and hippocampal subfield segmentation in routine 3T MRI.**  
Xinwei Li, Linjin Wang, Hong Liu, Baoqiang Ma, Lei Chu, Xiaoxi Dong, Debin Zeng, Tongtong Che, Xiaoming Jiang, Wei Wang, Jun Hu, Shuyu Li\*  
*IEEE Journal of Biomedical and Health Informatics*, 2023, 27(10): 4866-4877.
4. **Anatomically constrained squeeze-and-excitation graph attention network for cortical surface parcellation**  
Xinwei Li<sup>#</sup>, Jia Tan<sup>#</sup>, Panyu Wang, Hong Liu, Zhangyong Li, Wei Wang\* .  
*Computers in Biology and Medicine*, 2022, 140: 105113.
5. **Autism Spectrum Disorder Diagnosis Using Graph Attention Network Based on Spatial-Constrained Sparse Functional Brain Networks.**  
Chunde Yang, Panyu Wang, Jia Tan, Qingshui Liu, Xinwei Li\*  
*Computers in Biology and Medicine*, 2021, 139: 104963.
6. **Atypical sulcal pattern in boys with attention-deficit/hyperactivity disorder**  
Xinwei Li\*, Wei Wang, Panyu Wang, Chenru Hao, Zhangyong Li\*  
*Human Brain Mapping*, 2021, 42(13): 4362-4371.

## FUNDING

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- Research on Brain Network Information Disentangled Representation and Deep Clustering Methods for Autism Spectrum Disorder Neurosubtyping, National Natural Science Foundation of China, No.62576066, 2026/01/01 - 2029/12/31, Role on Project: PI
- Research on Individual Morphological Brain Network Construction Methods for Accurate Auxiliary Diagnosis of Mild Cognitive Impairment, National Natural Science Foundation of China, No.62106032, 2022/01/01 - 2024/12/31, Role on Project: PI
- Research XXX Rapid Assessment Technology, JKW, 2024/10/31-2026/10/30, Role on Project: PI
- Research and Development of Bone Marrow Cell Image Recognition Medical Devices, Science and Technology Innovation Key R&D Program of Chongqing, 2024/01/01 - 2026/12/31, Role on Project: PI of CQUPT
- Research and Application of Big Data AI-based Medication Guidance System for Liver Transplantation, Chongqing technology innovation and application development key project, 2022/01/01 - 2024/12/31, Role on Project: PI of CQUPT
- Research on Automatic Segmentation Methods for Hippocampal Subregions Based on 3T-7T Paired Magnetic Resonance Imaging, Key project of Science and Technology Research Program of Chongqing Municipal Education Commission, 2024/10/01 - 2027/09/30, Role on Project: PI

## SERVICES

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- Executive Member: Cardiovascular and Cerebrovascular Disease Prevention and New Technology Application Branch, Chinese Aging Well Association
- Vice Chairperson: Committee on Intelligent Diagnosis and Treatment of Hematologic Tumors, Chongqing Association of Medical Biotechnology
- Council Member: Chongqing Society of Digital Medicine; Chongqing Biomedical Engineering Society
- Junior Editorial Board: Biomedical Engineering Communications, Advanced Biotechnology
- Journal Reviewer: Neuroimage; IEEE Journal of Biomedical and Health Informatics; Journal of Neurodevelopmental Disorders; Biomedical Signal Processing and Control; etc