

# Licheng Zou's Curriculum Vitae

## Contact Information

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## Education

09/2019-06/2023	BSc in Math and Applied math, Shanghai Jiao Tong University, China
09/2023-06/2025 (expected)	MSc in Neurobiology, University of Amsterdam, Netherlands
08/2025-08/2028 (expected)	PhD candidate, Max-Planck Institute for Dynamics and Self-organization, Germany

## Research Interests

Theoretical/ computational neuroscience: multi-scale brain modelling, mean-field analysis on spiking neural networks.

## Professional Experience

09/2021-09/2022	Research Intern, Shanghai Jiaotong University Supervisor: Prof. Songting Li, Prof. Douglas Zhou
09/2022-07/2023	Research Intern, University of Amsterdam Supervisor: Dr. Jorge Mejias
07/2023-08/2024	Research Intern, Centre de Recerca Matemàtica Supervisor: Dr. Alex Roxin
09/2024-Now	Research Intern, University of Amsterdam Supervisor: Dr. Jorge Mejias, Prof. Cyriel Pennartz
01/2025-Now	Graduate Assistant, Max Planck Institute for Dynamics and Self-organization Supervisor: Prof. Fred Wolf

## Publications

- **Distributed evidence accumulation across macaque large-scale neocortical networks during perceptual decision making**  
Licheng Zou, Nicola Palomero-Gallagher, Douglas Zhou, Songting Li, Jorge F Mejias  
*bioRxiv*, 2023
- **Representational drift as the consequence of ongoing memory storage**  
Federico Devalle, Licheng Zou, Gloria Cecchini, Alex Roxin  
*bioRxiv*, 2024
- **Efficient laminar-distributed interactions and orientation selectivity in the mouse V1 cortical column**  
Licheng Zou, Giulia Moreni, Cyriel Pennartz, Jorge Mejias  
*bioRxiv*, 2024
- **Computational mechanisms of representational drift and odor perception in rodent olfactory systems**  
Licheng Zou, Alex Roxin  
*In preparation*, 2024

## Conference Presentations

- Computational mechanisms of representational drift and odor perception in rodent olfactory systems, Poster talk, Bernstein 2024, Frankfurt
- Computational mechanisms of representational drift and odor perception in rodent olfactory systems, Poster talk, Barccsyn 2024, Barcelona
- Representational drift as the consequence of ongoing memory storage, Poster talk, Cosyne 2024, Lisbon
- What's going on in representational drift, Conference talk 20 mins, Donders Discussion 2023, Nijmegen

## Workshop Attendance

- 2024 Cold Spring Harbor Asia summer course, 'Computational and Cognitive Neuroscience', Suzhou
- EBRAINS brain simulation workshop 2024, Bilbao
- Hybrid workshop BCN 2024, 'From EEG and related potentials to connectivity and source modeling', Barcelona
- SJTU computational neuroscience winter school 2022, 2023, Shanghai

## Service

Reviewer for *Physical Review E*

## Languages

Chinese (native), English (fluent), Spanish (basic).