

# Han-Tao Li

Neurobehavioural Dynamics Lab, ETH Zürich

**Address** 8603, Zürich Switzerland

**E-mail** hantao.li@hest.ethz.ch

**LinkedIn**

<https://www.linkedin.com/in/han-tao-li-a430487b/>

**WWW** <https://neurodynamics.ethz.ch/>

**WWW** <https://bold.pro/my/hantao-li/619>



Diligent experience in clinical neurology and basic neuroscience research for 10+ years. Dedicated eager to stay current with latest advancements in medical research and treatments. Skilled at interpreting data, presenting findings and managing multiple tasks and projects simultaneously. Possesses outstanding organizational and communication skills.



## Education

**Feb 2019 - Current** **Ph.D.: Neuroscience**

*ETH Zürich - Switzerland*

- Neurobehavioural dynamics Lab, under supervision of Prof. Denis Burdakov
- Project topics: how orexin neurons in the lateral hypothalamus act for different brain state and disease control

**Sep 2002 - Jun 2010** **M.D.: Double Major in Chinese And Western Medicine**

*Chang Gung University, College of Medicine - Taiwan*



## Experience

**Feb 2019 - Current** **PhD, Institute for Neuroscience (D-HEST)**

*ETH Zürich, Switzerland*

- Fulltime contributed to research and data analysis within neuroscience landscape.
- Utilizing cutting-edge neuroscience tools and teamed with colleagues for developing signal analysis pipelines.
- Performed 3 main research projects and acquired information for academic publications.

**Oct 2016 - Jan 2019** **Attending Physician, Epilepsy Center**

*Chang Gung Memorial Hospital At Linkou, Taiwan*

- Provided patients and families with in-depth information about conditions and treatment plans.
- Special interest in adult pathological EEG interpretation and neuromodulation therapy for refractory epilepsy.

**Aug 2011 - Sep 2016** **Resident Doctor, Department of Neurology**

*Chang Gung Memorial Hospital at Linkou, Taiwan*

- Performed basic neurological ward and clinics training. Acquired neurological board certificate.
- Fellowship training in Epilepsy Center, involved in interpretation more than 300+ video EEG recordings.



## Academic Interest

- ◆ Neurology and sleep medicine
- ◆ Neuromodulation therapy
- ◆ Neuroscience
- ◆ Neuropharmacology



## Skills

- ◆ Neurological diagnosis and treatment
- ◆ In-hospital patient and out-patient care and management
- ◆ Behavioral experiments in rodents
- ◆ Matlab/Python coding



## Languages

- ◆ English (Fluent)
- ◆ Mandarin (Native)
- ◆ Germany (Basic)



## Certifications

- ◆ 2015 Taiwan Neurology Board Certification
- ◆ 2011 Taiwan Medical Physician Certification



## Publications

- ◆ **Feb 2024** Li HT, Viskaitis P, Bracey E et al. Transient targeting of hypothalamic orexin neurons alleviates seizures in a mouse model of epilepsy. *Nat Commun.* 2024 Feb 10;15(1):1249.
- ◆ **Apr 2022** Li HT, Donegan DC, Peleg-Raibstein D, Burdakov D. Hypothalamic deep brain stimulation as a strategy to manage anxiety disorders. *Proc Natl Acad Sci U S A.* 2022;119(16):e2113518119.
- ◆ **Oct 2019** Li HT, Lee CH, Wu T et al. Clinical, Electroencephalographic Features and Prognostic Factors of Cefepime-Induced Neurotoxicity: A Retrospective Study. *Neurocrit Care.* 2019 Oct;31(2):329-337.
- ◆ **Oct 2018** Lee CY, Li HT, Wu T et al. Efficacy of limited hippocampal radiofrequency thermocoagulation for mesial temporal lobe epilepsy. *J Neurosurg.* 2018 Oct 26;131(3):781-789.
- ◆ **Jul 2018** Hsieh PC, Li HT, Chang CW et al. Predictive Factors for Early Initiation of Artificial Feeding in Patients With Sporadic Creutzfeldt-Jakob Disease. *Front Neurol.* 2018 Jul 3;9:496.
- ◆ **Mar 2017** Li HT, Wu T, Lin WR et al. Clinical correlation and prognostic implication of periodic EEG patterns: A cohort study. *Epilepsy Res.* 2017 Mar;131:44-50.