

# Stanford

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## Yi Li, MD, PhD

Clinical Assistant Professor, Neurology & Neurological Sciences

### CLINICAL OFFICES

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### Bio

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#### BIO

Dr. Li is a board-certified, fellowship-trained neurologist and a clinical assistant professor in the Department of Neurology and Neurological Sciences at Stanford University School of Medicine.

She specializes in epilepsy care and research. She has dedicated her career to advancing our understanding of the mechanism, diagnosis, and treatment of epilepsy. In addition to her MD degree, she holds a PhD degree in neurology and neuroscience. She undertook PhD training to better understand epileptogenesis and to identify potential new treatments for refractory epilepsy patients.

Dr. Li has conducted extensive research on the mechanism of epileptogenesis via a hippocampal neural stem cell pathway and on the dynamic changes of microRNA, genes, and proteins in temporal lobe epilepsy.

She has received the Stanford Genetics and Genomics Certificate, which helped advance her knowledge of how genomic data can enhance patient management in clinical practice.

Dr. Li has presented the findings of many aspects of her epilepsy research at meetings of the American Epilepsy Society, American Clinical Neurophysiology Society, American Academy of Neurology, American Neurological Association, and International Conference on Function (Psychogenic) Neurological Disorders.

She has published numerous articles on a wide range of epilepsy-related topics, including precision medicine in women with epilepsy, pregnancy outcomes of refractory epilepsy patients, and differentiation of epileptic from non-epileptic seizures. Her work has appeared in *Neurology Clinical Practice*, *Epilepsia*, *Gene*, *Molecular Neurobiology*, *Neuroscience*, *International Journal of Molecular Medicine* and elsewhere.

Among her honors, Dr. Li has earned recognition from the American Epilepsy Society and International League Against Epilepsy. She also won a safety and quality awards scholarship from the American Academy of Neurology. She is a member of the American Academy of Neurology and the American Epilepsy Society.

#### CLINICAL FOCUS

- Neurology

## ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Neurology & Neurological Sciences

## PROFESSIONAL EDUCATION

- Fellowship: Stanford University Epilepsy Fellowship (2020) CA
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2018)
- Residency: University of Massachusetts GME Office (2018) MA
- Internship: University of Massachusetts Internal Medicine Residency (2015) MA
- Medical Education: Xiangya School of Medicine South University (2007) China

## Publications

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### PUBLICATIONS

- **Antibody Prevalence in Epilepsy before Surgery (APES) in drug-resistant focal epilepsy.** *Epilepsia*  
Li, Y., Tymchuk, S., Barry, J., Muppidi, S., Le, S.  
2021
- **Precision medicine in women with epilepsy: The challenge, systematic review, and future direction.** *Epilepsy & behavior : E&B*  
Li, Y. n., Zhang, S. n., Snyder, M. P., Meador, K. J.  
2021; 118: 107928
- **Pregnancy outcomes of refractory epilepsy patients treated with Brain-responsive neurostimulation.** *Epilepsy research*  
Li, Y., Eliashiv, D., LaHue, S. C., Rao, V. R., Martini, M. L., Panov, F., Oster, J. M., Yoshii-Contreras, J., Skidmore, C. T., Kalayjian, L. A., Millett, D., Meador, K. J.  
2020; 169: 106532
- **Ultrasound-guided lumbar puncture improves success rate and efficiency in overweight patients.** *Neurology. Clinical practice*  
Li, Y., Carandang, R. A., Ade, S., Flahive, J., Daniello, K.  
2020; 10 (4): 307–13
- **Potential use of leukocytosis and anion gap elevation in differentiating psychogenic nonepileptic seizures from epileptic seizures.** *Epilepsia open*  
Li, Y., Matzka, L., Flahive, J., Weber, D.  
2019; 4 (1): 210–15
- **Left Ventricular Ejection Fraction and Clinically Defined Heart Failure to Predict 90-Day Functional Outcome After Ischemic Stroke.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*  
Li, Y., Fitzgibbons, T. P., McManus, D. D., Goddeau, R. P., Silver, B., Henninger, N.  
2018
- **Ephrin#b3 modulates hippocampal neurogenesis and the reelin signaling pathway in a pilocarpine#induced model of epilepsy.** *International journal of molecular medicine*  
Liu, T. T., Li, Y. n., Shu, Y. n., Xiao, B. n., Feng, L. n.  
2018; 41 (6): 3457–67
- **DISC1 Regulates the Proliferation and Migration of Mouse Neural Stem/Progenitor Cells through Pax5, Sox2, Dll1 and Neurog2** *FRONTIERS IN CELLULAR NEUROSCIENCE*  
Wu, Q., Tang, W., Luo, Z., Li, Y., Shu, Y., Yue, Z., Xiao, B., Feng, L.  
2017; 11: 261
- **Anion gap can differentiate between psychogenic and epileptic seizures in the emergency setting.** *Epilepsia*  
Li, Y. n., Matzka, L. n., Maranda, L. n., Weber, D. n.  
2017; 58 (9): e132–e135
- **EphA4 may contribute to microvessel remodeling in the hippocampal CA1 and CA3 areas in a mouse model of temporal lobe epilepsy.** *Molecular medicine reports*  
Feng, L. n., Shu, Y. n., Wu, Q. n., Liu, T. n., Long, H. n., Yang, H. n., Li, Y. n., Xiao, B. n.

2017; 15 (1): 37–46

- **Epilepsy with temporal encephalocele: Characteristics of electrocorticography and surgical outcome.** *Epilepsia*  
Panov, F. n., Li, Y. n., Chang, E. F., Knowlton, R. n., Cornes, S. B.  
2016; 57 (2): e33–8
- **The Ephrin-A5/EphA4 Interaction Modulates Neurogenesis and Angiogenesis by the p-Akt and p-ERK Pathways in a Mouse Model of TLE.** *Molecular neurobiology*  
Shu, Y. n., Xiao, B. n., Wu, Q. n., Liu, T. n., Du, Y. n., Tang, H. n., Chen, S. n., Feng, L. n., Long, L. n., Li, Y. n.  
2016; 53 (1): 561–76
- **Electroencephalography of Seizure-Like Movements During General Anesthesia with Propofol: Seizures or Nonepileptic Events? A & A case reports**  
Li, Y., Flood, P., Cornes, S.  
2015; 5 (11): 195–198
- **NDEL1 was decreased in the CA3 region but increased in the hippocampal blood vessel network during the spontaneous seizure period after pilocarpine-induced status epilepticus.** *Neuroscience*  
Wu, Q. n., Li, Y. n., Shu, Y. n., Feng, L. n., Zhou, L. n., Yue, Z. W., Luo, Z. H., Wu, Z. G., Xiao, B. n.  
2014; 268: 276–83
- **The increased expression of CD21 on AchR specified B cells in patients with myasthenia gravis** *JOURNAL OF NEUROIMMUNOLOGY*  
Yin, W., Allman, W., Ouyang, S., Li, Y., Li, J., Christadoss, P., Yang, H.  
2013; 256 (1-2): 49–54
- **Immature Dendritic Cell-Derived Exosomes: a Promise Subcellular Vaccine for Autoimmunity** *INFLAMMATION*  
Yin, W., Ouyang, S., Li, Y., Xiao, B., Yang, H.  
2013; 36 (1): 232–40
- **Altered expression of pannexin proteins in patients with temporal lobe epilepsy.** *Molecular medicine reports*  
Jiang, T. n., Long, H. n., Ma, Y. n., Long, L. n., Li, Y. n., Li, F. n., Zhou, P. n., Yuan, C. n., Xiao, B. n.  
2013; 8 (6): 1801–6
- **DISC1-related signaling pathways in adult neurogenesis of the hippocampus.** *Gene*  
Wu, Q. n., Li, Y. n., Xiao, B. n.  
2013; 518 (2): 223–30
- **MicroRNA expression profile of the hippocampus in a rat model of temporal lobe epilepsy and miR-34a-targeted neuroprotection against hippocampal neurone cell apoptosis post-status epilepticus.** *BMC neuroscience*  
Hu, K. n., Xie, Y. Y., Zhang, C. n., Ouyang, D. S., Long, H. Y., Sun, D. N., Long, L. L., Feng, L. n., Li, Y. n., Xiao, B. n.  
2012; 13: 115
- **Rapamycin suppresses the recurrent excitatory circuits of dentate gyrus in a mouse model of temporal lobe epilepsy.** *Biochemical and biophysical research communications*  
Tang, H. n., Long, H. n., Zeng, C. n., Li, Y. n., Bi, F. n., Wang, J. n., Qian, H. n., Xiao, B. n.  
2012; 420 (1): 199–204
- **[Neuronal synaptic reconstruction in hippocampus in chronic phase of pilocarpine-treated rats].** *Zhonghua yi xue za zhi*  
Yi, F. n., Abuhamed, M. M., Long, L. L., Li, Y. n., Li, S. Y., Wu, Z. G., Xiao, B. n.  
2011; 91 (19): 1335–39
- **Selective loss and axonal sprouting of GABAergic interneurons in the sclerotic hippocampus induced by LiCl-pilocarpine.** *The International journal of neuroscience*  
Long, L. n., Xiao, B. n., Feng, L. n., Yi, F. n., Li, G. n., Li, S. n., Mutasem, M. A., Chen, S. n., Bi, F. n., Li, Y. n.  
2011; 121 (2): 69–85
- **Expression profile of microRNAs in rat hippocampus following lithium-pilocarpine-induced status epilepticus.** *Neuroscience letters*  
Hu, K. n., Zhang, C. n., Long, L. n., Long, X. n., Feng, L. n., Li, Y. n., Xiao, B. n.  
2011; 488 (3): 252–57
- **Activation of ERK by spontaneous seizures in neural progenitors of the dentate gyrus in a mouse model of epilepsy** *EXPERIMENTAL NEUROLOGY*  
Li, Y., Peng, Z., Xiao, B., Houser, C. R.

