

• **Name:** Jeong Ho Lee MD PhD

• **Current Position:** Associate Professor, Graduate School of Medical Science and Engineering, KAIST

• **Country:** Korea

• **Educational Background:**

03/03 – 02/09 Doctor of Philosophy, **Yonsei University College of Medicine**,
Department of Pharmacology, Seoul, Korea.

03/97 – 02/03 Doctor of Medicine, **Yonsei University College of Medicine**, Seoul,
Korea.

• **Professional Experience:**

07/12 – Present Assistant (07/12-08/17) and Associate (09/17~) Professor,
KAIST, Graduate School of Medical Science and Engineering

04/09 – 07/12 Postdoctoral Researcher, **Howard Hughes Medical Institute**,
University of California San Diego, Department of Neurosciences and Genomic
Medicine

• **Professional Organizations:**

Member of FCD Classification Task Force of the Commission on Diagnostic Methods,
ILEA (2017-2021)

• **Main Scientific Publications:**

1. Kim JG et al, Brain somatic mutations reveal novel translational dysregulations underlying intractable. **J Clin Invest** 2019 *in press*
2. Kim JH et al. The use of technical replication for detection of low-level somatic mutations in next-generation sequencing. **Nat Commun** 2019 10:1047 (* co-corresponding)
3. Koh HY, et al. BRAF somatic mutation contributes to intrinsic epileptogenicity in pediatric brain tumors. **Nat Med** 2018 Nov;24(11):1662-1668.
4. Lee JH et al. Human glioblastoma arises from subventricular zone cells with low-level driver mutations. **Nature** 2018 Aug;560(7717):243-247

5. Park SM et al. Brain somatic mutations in MTOR disrupt neuronal ciliogenesis leading to focal cortical dyslamination. **Neuron** 2018 Jul 11;99(1):83-97
6. Lim JS et al. Somatic mutations in TSC1 and TSC2 cause focal cortical dysplasia. **Am J Hum Genet.** 2017; 100(3):454-472
7. Lim JS et al. Brain somatic mutations in MTOR cause focal cortical dysplasia type II leading to intractable epilepsy. **Nat Med** 2015 Apr;21(4):395-400.
8. Lee JH et al. *De novo* somatic mutations in components of the PI3K-AKT3-mTOR pathway cause hemimegalencephaly. **Nat Genet** 2012 Jun 24;44(8):941-5.
9. Lee JH et al. Evolutionarily assembled *cis*-regulatory module at a human ciliopathy locus. **Science** 2012 Feb;335(6071):966-9.
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11. Lee JH et al. Calmodulin dynamically regulates the trafficking of the metabotropic glutamate receptor mGluR5. **Proc Natl Acad Sci U S A.** 2008 Aug 26;105(34):12575-80.

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