

Curriculum Vitae

Name: KeunMin Ken Lee (Legal Name: KeunMin Lee/이근민)

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Education

2009. 3. ~ 2012. 12. KingsWay School (Auckland, New Zealand)
2013. 9. ~ 2017. 9. Korea Advanced Institute of Science and Technology,
B.S. in Physics
2017. 9. ~ 2018. 9. Korea Advanced Institute of Science and Technology,
M.S. in Bio and Brain Engineering
2018. 9. ~ 2025. 2. Korea Advanced Institute of Science and Technology,
M.S. and Ph.D. joint program in Bio and Brain Engineering

Research and Professional Experience

2017. 9. ~ 2022. 9. Korea Advanced Institute of Science and Technology,
Bio and Brain Engineering, Teaching Assistant
2025. 2. ~ Korea Brain Research Institute (KBRI),
Post Doc

Publications

Kim Hoyoun*, **KeunMin Ken Lee***, Gadisa Firisa, Juncheol Lee, Myung Chul Choi, and Yong-Jung Kim. 2024. "Fractionation by Spatially Heterogeneous Diffusion: Experiments and the Two-Component Random Walk Model." *Journal of the American Chemical Society* 146 (37): 25544–51.

Lee, Suho, Ji Hyun Bak, Yuno Lee, Dae-Woong Jeong, Jaehee Lee, **KeunMin Ken Lee**, Hasaeam Cho, Hyun Hwi Lee, Changbong Hyeon, and Myung Chul Choi. 2024. "Water Hydrogen-Bond Mediated Layer by Layer Alignment of Lipid Rafts as a Precursor of Intermembrane Processes." *Journal of the American Chemical Society* 146 (20): 13846–53.

Cho, Hasaeam, Jimin Lee, Hanjoon Nho, **KeunMin Ken Lee**, Bopil Gim, Juncheol Lee, Jaehee Lee, et al. 2023. "Synchrotron X-Ray Study of Intrinsically Disordered and Polyampholytic Tau 4RS and 4RL under Controlled Ionic Strength." *European Physical Journal E* 46 (9): 1–6.

Awards and Honors

Q-Day Special Student Award, KAIST, Daejeon, Korea, 2024

Outstanding Presentation Award, 2024 KPS Fall Meeting, Yeosu, Korea, 2024

Best Poster Presentation Award, The 7th Soft Matter Summer School, KAIST, Daejeon, Korea, 2017

Funding

RS-2025-25433024, National Research Foundation of Korea, 2025 (3 years)

Study on Diffusion-Driven Passive Enrichment of Non-Binding Cargo in Tau Liquid-Liquid Phase Separation (LLPS)

Presentations

Korean Physical Society Fall Meeting, Daejeon, Korea, October 2024 (Oral)

Title: *Fractionation by Spatial Heterogeneity Diffusion: Experiment and Two-Component Random-Walk Model*

Korean Physical Society Spring Meeting, Daejeon, Korea, April 2024 (Poster)

Title: *Fractionation by Spatial Heterogeneity Diffusion: Experiment and Two-Component Random-Walk Model*

The 7th Soft Matter Summer School, Daejeon, Korea, 2017 (Poster)

Title: *Fast Diffusion along Grain Boundaries of Phospholipid(DPPC)-Cholesterol Multilayers*