

# Stanford

---



## Jaehyuk Lee

Postdoctoral Scholar, Pathology

### Bio

---

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Gwangju Institute of Science and Technology (2021)
- MS-Ph.D., Gwangju Institute of Science and Technology (GIST), Neuroethology (2021)
- Bachelor of Science, Sogang University (2013)
- BS, Sogang University, Life Sciences (2013)

#### STANFORD ADVISORS

- Bingwei Lu, Postdoctoral Faculty Sponsor

### Publications

---

#### PUBLICATIONS

- **The Hotomography** *NATURE REVIEWS METHODS PRIMERS*  
Kim, G., Hugonnet, H., Kim, K., Lee, J., Lee, S., Ha, J., Lee, C., Park, H., Yoon, K., Shin, Y., Csucs, G., Hitchcock, I., Mackinder, et al  
2024; 4 (1)
- **Targeting Heme Oxygenase 2 (HO2) with TiNIR, a Theragnostic Approach for Managing Metastatic Non-Small Cell Lung Cancer.** *Biomaterials research*  
Mun, S. K., Sim, H. B., Lee, J. H., Kim, H., Park, D. H., Lee, Y. A., Han, J. Y., Choi, Y. J., Son, J. S., Park, J., Lim, T. H., Yee, S. T., Chang, et al  
2024; 28: 0026
- **A Novel Interaction between MFN2/Marf and MARK4/PAR-1 is Implicated in Synaptic Defects and Mitochondrial Dysfunction.** *eNeuro*  
Cheon, Y., Yoon, S., Lee, J., Kim, K., Kim, H., Hong, S. W., Yun, Y., Shim, J., Kim, S., Lu, B., Lee, M., Lee, S.  
2023
- **Molecular characterization of ligand selectivity of the sex peptide receptors of *Drosophila melanogaster* and *Aedes aegypti*.** *Insect biochemistry and molecular biology*  
Lee, J. H., Lee, N. R., Kim, D. H., Kim, Y. J.  
2020; 127: 103472
- **Homology modeling and molecular docking studies of *Drosophila* and *Aedes* sex peptide receptors.** *Journal of molecular graphics & modelling*  
Kim, J. H., Kim, S. K., Lee, J. H., Kim, Y. J., Goddard, W. A., Kim, Y. C.  
2016; 66: 115-22
- **Discovery and structure-activity relationships of pyrazolodiazepine derivatives as the first small molecule agonists of the *Drosophila* sex peptide receptor.** *Bioorganic & medicinal chemistry*  
Kim, J. H., Jeong, P. H., Lee, J. Y., Lee, J. H., Kim, Y. J., Kim, Y. C.  
2015; 23 (8): 1808-16

- **Identification of a novel insect neuropeptide, CNMa and its receptor.** *FEBS letters*

Jung, S. H., Lee, J. H., Chae, H. S., Seong, J. Y., Park, Y., Park, Z. Y., Kim, Y. J.

2014; 588 (12): 2037-41