



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

- **Extension of Lifespan and Amelioration of Alzheimer's Disease Phenotypes by Genetic Manipulation of Mitochondrial NAD⁺/NADH Ratio.** *Aging and disease*
Rimal, S., Lee, J. H., He, Y., Lu, B.
2026
- **Activation of lands cycle-mediated inflammation in living macrophages exposed to label-free particulate matter.** *Journal of hazardous materials*
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- **The Hotomography** *NATURE REVIEWS METHODS PRIMERS*
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- **Targeting Heme Oxygenase 2 (HO2) with TiNIR, a Theragnostic Approach for Managing Metastatic Non-Small Cell Lung Cancer.** *Biomaterials research*
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- **A Novel Interaction between MFN2/Marf and MARK4/PAR-1 is Implicated in Synaptic Defects and Mitochondrial Dysfunction.** *eNeuro*
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- **Molecular characterization of ligand selectivity of the sex peptide receptors of *Drosophila melanogaster* and *Aedes aegypti*.** *Insect biochemistry and molecular biology*
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- **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.
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- **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.
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- **Identification of a novel insect neuropeptide, CNMa and its receptor.** *FEBS letters*
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