

# Stanford

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## Ji-il Kim

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### Bio

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#### STANFORD ADVISORS

- Sergiu Pasca, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Synaptic correlates of associative fear memory in the lateral amygdala** *NEURON*  
Il Choi, D., Kim, J., Lee, H., Kim, J., Sung, Y., Choi, J., Venkat, S., Park, P., Jung, H., Kaang, B.  
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- **Interregional synaptic maps among engram cells underlie memory formation** *SCIENCE*  
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2018; 360 (6387): 430-35
- **Synaptic ensembles between raphe and D1R-containing accumbens shell neurons underlie postisolation sociability in males.** *Science advances*  
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2022; 8 (41): eab07527
- **Exogenous expression of an allatotropin-related peptide receptor increased the membrane excitability in Aplysia neurons** *MOLECULAR BRAIN*  
Zhang, G., Guo, S., Yin, S., Yuan, W., Chen, P., Kim, J., Wang, H., Zhou, H., Susswein, A. J., Kaang, B., Jing, J.  
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- **Loss of the neuronal genome organizer and transcription factor CTCF induces neuronal death and reactive gliosis in the anterior cingulate cortex** *GENES BRAIN AND BEHAVIOR*  
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- **Neur1 and Neur2 are required for hippocampus-dependent spatial memory and synaptic plasticity** *HIPPOCAMPUS*  
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- **Overexpression of activated CaMKII in the CA1 hippocampus impairs context discrimination, but not contextual conditioning** *MOLECULAR BRAIN*  
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2019; 12: 32
- **In memoriam: John Lisman - commentaries on CaMKII as a memory molecule** *MOLECULAR BRAIN*  
Bear, M. F., Cooke, S. F., Giese, K., Kaang, B., Kennedy, M. B., Kim, J., Morris, R. M., Park, P.  
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- **Remote Memory and Cortical Synaptic Plasticity Require Neuronal CCCTC-Binding Factor (CTCF)** *JOURNAL OF NEUROSCIENCE*  
Kim, s., Yu, N., Shim, K., Kim, J., Kim, H., Han, D., Choi, J., Lee, S., Choi, D., Kim, M., Lee, D., Lee, K., Galjart, et al  
2018; 38 (22): 5042-52
- **Rapid Turnover of Cortical NCAM1 Regulates Synaptic Reorganization after Peripheral Nerve Injury** *CELL REPORTS*  
Ko, H., Choi, J., Park, D., Kang, S., Lim, C., Sim, S., Shim, J., Kim, J., Kim, S., Choi, T., Ye, S., Lee, J., Park, et al  
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● **Strengthened connections between engrams encode specific memories** *BMB REPORTS*

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● **The role of nuclear PKM zeta in memory maintenance** *NEUROBIOLOGY OF LEARNING AND MEMORY*

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● **Which Neurons Will Be the Engram - Activated Neurons and/or More Excitable Neurons?** *EXPERIMENTAL NEUROBIOLOGY*

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● **Multiple repressive mechanisms in the hippocampus during memory formation** *SCIENCE*

Cho, J., Yu, N., Choi, J., Sim, S., Kang, S., Kwak, C., Lee, S., Kim, J., Choi, D., Kim, V., Kaang, B.

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