

## Ji-il Kim

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### 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.  
2021; 109 (17): 2717-+
- **Interregional synaptic maps among engram cells underlie memory formation** *SCIENCE*  
Choi, J., Sim, S., Kim, J., Choi, D., Oh, J., Ye, S., Lee, J., Kim, T., Ko, H., Lim, C., Kaang, B.  
2018; 360 (6387): 430–35
- **Synaptic ensembles between raphe and D1R-containing accumbens shell neurons underlie postisolation sociability in males.** *Science advances*  
Choi, J. E., Choi, D. I., Lee, J., Kim, J., Kim, M. J., Hong, I., Jung, H., Sung, Y., Kim, J. I., Kim, T., Yu, N. K., Lee, S. H., Choe, et al  
2022; 8 (41): eabo7527
- **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.  
2022; 15 (1): 42
- **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*  
Kwak, J., Kim, S., Yu, N., Seo, H., Choi, J., Kim, J., Choi, D., Kim, M., Kwak, C., Lee, K., Kaang, B.  
2021; 20 (2): e12701
- **Neur1 and Neur2 are required for hippocampus-dependent spatial memory and synaptic plasticity** *HIPPOCAMPUS*  
Lee, J., Yoon, K., Park, P., Lee, C., Kim, M., Han, D., Kim, J., Kim, S., Lee, H., Lee, Y., Jang, E., Ko, H., Kong, et al  
2020; 30 (11): 1158–66
- **Overexpression of activated CaMKII in the CA1 hippocampus impairs context discrimination, but not contextual conditioning** *MOLECULAR BRAIN*  
Ye, S., Kim, J., Kim, J., Kaang, B.  
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. G. M., Park, P.  
2018; 11: 76
- **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  
2018; 22 (3): 748–59
- **Strengthened connections between engrams encode specific memories** *BMB REPORTS*

Kim, J., Choi, D., Kaang, B.  
2018; 51 (8): 369–70

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

Ko, H., Kim, J., Sim, S., Kim, T., Yoo, J., Choi, S., Baek, S., Yu, W., Yoon, J., Sacktor, T., Kaang, B.  
2016; 135: 50–56

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

Kim, J., Cho, H., Han, J., Kaang, B.  
2016; 25 (2): 55–63

● **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.  
2015; 350 (6256): 82–87