Stanford



Ja Eun Choi

Postdoctoral Scholar, Psychiatry

Bio

HONORS AND AWARDS

- Wu Tsai Neurosciences Institute Postdoctoral Scholar Award, Stanford University (2026-)
- Dean's Postdoctoral Fellowship, Stanford University (2024 - 2025)
- Basic Science Research Program Post-doc Fellowship, National Research Foundation (2024 - 2025)
- Basic Science Research Program Post-doc Fellowship, National Research Foundation (2022 - 2023)
- A Guide to Subsequent Generation Applications in Basic Science Fellowship, Seoul National University (2017 - 2018)
- Kwan Jeong Fellowship, Kwan Jeong Educational Foundation (2015 - 2017)

STANFORD ADVISORS

- Neir Eshel, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: https://scholar.google.com/citations?user=6Rf05ngAAAAJ

Publications

PUBLICATIONS

- **Aberrant ERIC signaling in astrocytes impairs learning and memory in RASopathy-associated BRAF mutant mouse models** *JOURNAL OF CLINICAL INVESTIGATION*
  Icang, M., Choi, J., Han, J., Araki, T., Icim, S., Ryu, H., Klm, M., Klm, S., Jang, H., Klm, S., Hwang, K., Klm, S., Yoo, et al
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- **Processing of pain and itch information by modality-specific neurons within the anterior cingulate cortex in mice** *NATURE COMMUNICATIONS*
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- **Review: Dopamine, Serotonin, and the Translational Neuroscience of Aggression in Autism Spectrum Disorder.** *JAACAP open*
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- **Activated somatostatin interneurons orchestrate microcircuits** *NEURON*
  Kim, T., Choi, D., Choi, J., Lee, H., Jung, H., Kim, J., Sung, Y., Park, H., Kim, M., Han, D., Lee, S., Kaang, B.
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- **Plasticity of Dendritic Spines Underlies Fear Memory** *NEUROSCIENTIST*
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- **Increased social interaction in Shank2-deficient mice following acute social isolation** *MOLECULAR BRAIN*
  Choi, J., Kaang, B.
  2023; 16 (1): 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
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- **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-+
- **Dysfunction of NMDA receptors in neuronal models of an autism spectrum disorder patient with a DSCAM mutation and in Dscam-knockout mice** *MOLECULAR PSYCHIATRY*
  Lim, C., Kim, M., Choi, J., Islam, M., Lee, Y., Xiong, Y., Shim, K., Yang, J., Lee, R., Lee, J., Park, P., Kwak, J., Seo, et al
  2021; 26 (12): 7538-7549
- **Excitatory neuron-specific SHP2-ERK signaling network regulates synaptic plasticity and memory** *SCIENCE SIGNALING*
  Ryu, H., Kim, T., Kim, J., Kang, M., Park, P., Kim, Y., Kim, H., Ha, J., Choi, J., Lee, J., Lim, C., Kim, C., Kim, et al
  2019; 12 (571)
- **Circadian Regulation by REV-ERBα Mediates Hippocampal E-LTP in a Time-dependent Manner** *EXPERIMENTAL NEUROBIOLOGY*
  Choi, J., Kim, S., Lee, J., Kim, K., Kaang, B.
  2018; 27 (5): 344-349
- **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
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- **PKCα-mediated phosphorylation of LSD1 is required for presynaptic plasticity and hippocampal learning and memory** *SCIENTIFIC REPORTS*
  Lim, C., Nam, H., Lee, J., Kim, D., Choi, J., Kang, S., Kim, S., Kim, H., Kwak, C., Shim, K., Kim, S., Ko, H., Lee, et al
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