

Garam Kim

Ph.D. Student in Neurosciences, admitted Autumn 2018

Publications

PUBLICATIONS

- **TDP-43 represses cryptic exon inclusion in the FTD-ALS gene UNC13A.** *Nature*
Ma, X. R., Prudencio, M., Koike, Y., Vatsavayai, S. C., Kim, G., Harbinski, F., Briner, A., Rodriguez, C. M., Guo, C., Akiyama, T., Schmidt, H. B., Cummings, B. B., Wyatt, et al
2022
- **An anterograde pathway for sensory axon degeneration gated by a cytoplasmic action of the transcriptional regulator P53.** *Developmental cell*
Simon, D. J., Belsky, D. M., Bowen, M. E., Ohn, C. Y., O'Rourke, M. K., Shen, R., Kim, G., Pitts, J., Attardi, L. D., Tessier-Lavigne, M.
2021; 56 (7): 976
- **Distribution of TDP-43 Pathology in Hippocampal Synaptic Relays Suggests Transsynaptic Propagation in Frontotemporal Lobar Degeneration** *JOURNAL OF NEUROPATHOLOGY AND EXPERIMENTAL NEUROLOGY*
Jamshidi, P., Kim, G., Shahidehpour, R. K., Bolbolan, K., Gefen, T., Bigio, E. H., Mesulam, M., Geula, C.
2020; 79 (6): 585–91
- **ALS Genetics: Gains, Losses, and Implications for Future Therapies.** *Neuron*
Kim, G. n., Gautier, O. n., Tassoni-Tsuchida, E. n., Ma, X. R., Gitler, A. D.
2020
- **Neuropathologic basis of in vivo cortical atrophy in the aphasic variant of Alzheimer's disease** *BRAIN PATHOLOGY*
Ohm, D., Fought, A. J., Rademaker, A., Kim, G., Sridhar, J., Coventry, C., Gefen, T., Weintraub, S., Bigio, E., Mesulam, M., Rogalski, E., Geula, C.
2020; 30 (2): 332–44
- **Activated Microglia in Cortical White Matter Across Cognitive Aging Trajectories** *FRONTIERS IN AGING NEUROSCIENCE*
Gefen, T., Kim, G., Bolbolan, K., Geoly, A., Ohm, D., Oboudiyat, C., Shahidehpour, R., Rademaker, A., Weintraub, S., Bigio, E. H., Mesulam, M., Rogalski, E., Geula, et al
2019; 11: 94
- **Cortical cholinergic denervation in primary progressive aphasia with Alzheimer pathology** *NEUROLOGY*
Mesulam, M., Lalehzari, N., Rahmani, F., Ohm, D., Shahidehpour, R., Kim, G., Gefen, T., Weintraub, S., Bigio, E., Geula, C.
2019; 92 (14): E1580–E1588
- **Morphology and Distribution of TDP-43 Pre-inclusions in Primary Progressive Aphasia** *JOURNAL OF NEUROPATHOLOGY AND EXPERIMENTAL NEUROLOGY*
Kim, G., Bolbolan, K., Shahidehpour, R., Jamshidi, P., Gefen, T., Ayala, I. A., Weintraub, S., Bigio, E. H., Mesulam, M., Geula, C.
2019; 78 (3): 229–37
- **Combined Pathologies in FTLD-TDP Types A and C** *JOURNAL OF NEUROPATHOLOGY AND EXPERIMENTAL NEUROLOGY*
Gefen, T., Ahmadian, S. S., Mao, Q., Kim, G., Seckin, M., Bonakdarpour, B., Ramos, E., Coppola, G., Rademakers, R., Rogalski, E., Rademaker, A., Weintraub, S., Mesulam, et al
2018; 77 (5): 405–12
- **Variations in Acetylcholinesterase Activity within Human Cortical Pyramidal Neurons Across Age and Cognitive Trajectories** *CEREBRAL CORTEX*
Janeczek, M., Gefen, T., Samimi, M., Kim, G., Weintraub, S., Bigio, E., Rogalski, E., Mesulam, M., Geula, C.
2018; 28 (4): 1329–37
- **Asymmetric TDP pathology in primary progressive aphasia with right hemisphere language dominance** *NEUROLOGY*

- Kim, G., Vahedi, S., Gefen, T., Weintraub, S., Bigio, E. H., Mesulam, M., Geula, C.
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- **Atrophy and microglial distribution in primary progressive aphasia with transactive response DNA-binding protein-43 kDa.** *Annals of neurology*
Kim, G. n., Bolbolan, K. n., Gefen, T. n., Weintraub, S. n., Bigio, E. H., Rogalski, E. n., Mesulam, M. M., Geula, C. n.
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 - **Differential Neurotoxicity Related to Tetracycline Transactivator and TDP-43 Expression in Conditional TDP-43 Mouse Model of Frontotemporal Lobar Degeneration.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Kukreja, L. n., Shahidehpour, R. n., Kim, G. n., Keegan, J. n., Sadleir, K. R., Russell, T. n., Csernansky, J. n., Mesulam, M. n., Vassar, R. J., Wang, L. n., Dong, H. n., Geula, C. n.
2018; 38 (27): 6045–62
 - **Prominent microglial activation in cortical white matter is selectively associated with cortical atrophy in primary progressive aphasia.** *Neuropathology and applied neurobiology*
Ohm, D. T., Kim, G. n., Gefen, T. n., Rademaker, A. n., Weintraub, S. n., Bigio, E. H., Mesulam, M. M., Rogalski, E. n., Geula, C. n.
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 - **Asymmetric pathology in primary progressive aphasia with progranulin mutations and TDP inclusions** *NEUROLOGY*
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 - **ACCUMULATION AND AGE-RELATED ELEVATION OF AMYLOID-beta WITHIN BASAL FOREBRAIN CHOLINERGIC NEURONS IN THE RHESUS MONKEY** *NEUROSCIENCE*
Norvin, D., Kim, G., Baker-Nigh, A., Geula, C.
2015; 298: 102–11
 - **HISTOPATHOLOGIC SUBSTRATES OF CINGULATE INTEGRITY IN SUPERAGING: A STEREOLOGICAL STUDY**
Gefen, T., Papastefan, S., Peterson, M., Kim, G., Rogalski, E., Weintraub, S., Bigio, E., Mesulam, M., Geula, C.
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