

## Caiwei Guo

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### Publications

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#### PUBLICATIONS

- **KIF5A downregulation in spinal muscular atrophy links axonal regeneration defects with ALS.** *JCI insight*  
Akiyama, T., Zeng, Y., Guo, C., Gautier, O., Koepke, L., Lyons, H., Molotsky, E., Bombosch, J. S., Sianto, O., Ross, J. P., Hoang, P., Zhao, L., Spencer, et al  
2026
- **TDP-43 nuclear loss in FTD/ALS causes widespread alternative polyadenylation changes.** *Nature neuroscience*  
Zeng, Y., Lovchikova, A., Akiyama, T., Rayner, S. L., Maheswari Jawahar, V., Liu, C., Sianto, O., Guo, C., Calliari, A., Prudencio, M., Dickson, D. W., Petrucelli, L., Gitler, et al  
2025
- **Tau polarizes an aging transcriptional signature to excitatory neurons and glia** *ELIFE*  
Wu, T., Deger, J. M., Ye, H., Guo, C., Dhindsa, J., Pekarek, B. T., Al-Ouran, R., Liu, Z., Al-Ramahi, I., Botas, J., Shulman, J. M.  
2023; 12
- **Rnq1! You are still dangerous, but you can be my wingman anytime.** *Molecular cell*  
Guo, C., Gitler, A. D.  
2022; 82 (22): 4194-4196
- **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
- **Integrated analysis of the aging brain transcriptome and proteome in tauopathy** *MOLECULAR NEURODEGENERATION*  
Mangleburg, C., Wu, T., Yalamanchili, H. K., Guo, C., Hsieh, Y., Duong, D. M., Dammer, E. B., De Jager, P. L., Seyfried, N. T., Liu, Z., Shulman, J. M.  
2020; 15 (1): 56
- **Tau-Mediated Disruption of the Spliceosome Triggers Cryptic RNA Splicing and Neurodegeneration in Alzheimer's Disease** *CELL REPORTS*  
Hsieh, Y., Guo, C., Yalamanchili, H. K., Abreha, M., Al-Ouran, R., Li, Y., Dammer, E. B., Lah, J. J., Levey, A. I., Bennett, D. A., De Jager, P. L., Seyfried, N. T., Liu, et al  
2019; 29 (2): 301-+
- **Tau Activates Transposable Elements in Alzheimer's Disease** *CELL REPORTS*  
Guo, C., Jeong, H., Hsieh, Y., Klein, H., Bennett, D. A., De Jager, P. L., Liu, Z., Shulman, J. M.  
2018; 23 (10): 2874-80
- **Uncoupling neuronal death and dysfunction in Drosophila models of neurodegenerative disease** *ACTA NEUROPATHOLOGICA COMMUNICATIONS*  
Chouhan, A. K., Guo, C., Hsieh, Y., Ye, H., Senturk, M., Zuo, Z., Li, Y., Chatterjee, S., Botas, J., Jackson, G. R., Bellen, H. J., Shulman, J. M.  
2016; 4: 62
- **Transplantation of Human Neural Progenitor Cells Expressing IGF-1 Enhances Retinal Ganglion Cell Survival** *PLOS ONE*  
Ma, J., Guo, C., Guo, C., Sun, Y., Liao, T., Beattie, U., Lopez, F. J., Chen, D., Lashkari, K.  
2015; 10 (4): e0125695