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Publications

PUBLICATIONS

- **Multi-tissue transcriptomic aging atlas reveals predictive aging biomarkers in the killifish.** *Nature aging*
Costa, E. K., Chen, J., Guldner, I. H., Mboning, L., Schmahl, N., Tsenter, A., Nagvekar, R., Wu, M. R., Moran-Losada, P., Bouchard, L. S., Wang, S., Singh, P. P., Pellegrini, et al
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- **APOE-stratified Proteomic and Metabolomic Analysis Reveals Mitochondrial Dysfunction Inflammation and Lipid Dysregulation in Alzheimer's Disease.** *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*
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- **Ageing promotes microglial accumulation of slow-degrading synaptic proteins.** *Nature*
Guldner, I. H., Wagner, V. P., Moran-Losada, P., Shi, S. M., Golub, S. W., Hevler, J. F., Chen, K., Meese, B. T., Ghoochani, A., Pulido, E., Oh, H. S., Le Guen, Y., Lu, et al
2026
- **Biomarkers.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
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- **Biomarkers.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
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- **Spatial and single-cell transcriptomics reveal the reorganization of cerebellar microglia with aging.** *Cell reports*
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- **Disruption of the cerebrospinal fluid-plasma protein balance in cognitive impairment and aging.** *Nature medicine*
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2025
- **Synaptic proteins that aggregate and degrade slower with aging accumulate in microglia.** *bioRxiv : the preprint server for biology*
Guldner, I. H., Wagner, V. P., Moran-Losada, P., Shi, S. M., Chen, K., Meese, B. T., Oh, H., Le Guen, Y., Lu, N., Wong, P. S., To, N. S., Garceau, D., Guo, et al
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- **Large-scale plasma proteomic profiling unveils diagnostic biomarkers and pathways for Alzheimer's disease.** *Nature aging*
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2025
- **Proteostasis and lysosomal repair deficits in transdifferentiated neurons of Alzheimer's disease.** *Nature cell biology*

- Chou, C. C., Vest, R., Prado, M. A., Wilson-Grady, J., Paulo, J. A., Shibuya, Y., Moran-Losada, P., Lee, T. T., Luo, J., Gygi, S. P., Kelly, J. W., Finley, D., Wernig, et al
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- **Multi-tissue transcriptomic aging atlas reveals predictive aging biomarkers in the killifish.** *bioRxiv : the preprint server for biology*
Costa, E. K., Chen, J., Guldner, I. H., Mboning, L., Schmahl, N., Tsenter, A., Wu, M., Moran-Losada, P., Bouchard, L. S., Wang, S., Singh, P. P., Pellegrini, M., Brunet, et al
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 - **Proteostasis and lysosomal repair deficits in transdifferentiated neurons of Alzheimer's disease.** *bioRxiv : the preprint server for biology*
Chou, C. C., Vest, R., Prado, M. A., Wilson-Grady, J., Paulo, J. A., Shibuya, Y., Moran-Losada, P., Lee, T. T., Luo, J., Gygi, S. P., Kelly, J. W., Finley, D., Wernig, et al
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