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Publications

PUBLICATIONS

- **An in vivo resource of age-regulated C. elegans intestinal secretory-pathway proteins highlights secreted enzymes associated with lifespan regulation.** *Cell reports*
  Miklas, J. W., Papsdorf, K., Sun, E. D., Tsenter, A., Haseley, N. R., Ameglio, B., Medoh, U. N., Richard, D., McCarthy, F., Artiles, K. L., Hims, A., Levina, A., Zhou, et al
  2026; 45 (9): 117902

- **Lipidomic profiling reveals age-dependent changes in plasma membrane lipids that affect neural stem cell aging.** *Science advances*
  Zhao, X., Feitzinger, R. M., Na, J., Yan, X., Erickson, A., Contrepois, K., Zhou, O. Y., Vallania, F., Ellenberger, M., Kashiwagi, C. M., Gagnon, S. D., Siebrand, C. J., Cabruja, et al
  2026; 12 (31): eaeh9771

- **Targeting immune cells in the aged brain reveals that engineered cytokine IL-10 enhances neurogenesis and improves cognition.** *Immunity*
  Navarro Negredo, P., You, J., Hauptschein, M., Schroer, A. B., Richard, D. J., Abhiraman, G. C., Tsai, A. P., Sun, E. D., Notarangelo, G., Ramirez-Matias, J., Zhou, O. Y., Buckley, M. T., Malacon, et al
  2026

- **Spatial transcriptomic clocks reveal cell proximity effects in brain ageing.** *Nature*
  Sun, E. D., Zhou, O. Y., Hauptschein, M., Rappoport, N., Xu, L., Navarro Negredo, P., Liu, L., Rando, T. A., Zou, J., Brunet, A.
  2024

- **Spatiotemporal transcriptomic profiling and modeling of mouse brain at single-cell resolution reveals cell proximity effects of aging and rejuvenation.** *bioRxiv : the preprint server for biology*
  Sun, E. D., Zhou, O. Y., Hauptschein, M., Rappoport, N., Xu, L., Navarro Negredo, P., Liu, L., Rando, T. A., Zou, J., Brunet, A.
  2024

- **Chromatin accessibility dynamics of neurogenic niche cells reveal defects in neural stem cell adhesion and migration during aging.** *Nature aging*
  Yeo, R. W., Zhou, O. Y., Zhong, B. L., Sun, E. D., Navarro Negredo, P., Nair, S., Sharmin, M., Ruetz, T. J., Wilson, M., Kundaje, A., Dunn, A. R., Brunet, A.
  2023

- **Seeing is believing: old clones die young.** *Nature aging*
  Zhou, O. Y., Brunet, A.
  2023; 3 (4): 371-373

- **Seeing is believing: old clones die young** *NATURE AGING*
  Zhou, O. Y., Brunet, A.
  2023

- **Brain Metastases from Endometrial Cancer: Clinical Characteristics, Outcomes, and Review of the Literature.** *World neurosurgery*
  Bhambhvani, H. P., Zhou, O. n., Cattle, C. n., Taiwo, R. n., Diver, E. n., Gephart, M. H.
  2020