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Bio

STANFORD ADVISORS

- Thomas Sudhof, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **The N terminus-only (trans) function of the Adhesion GPCR Latrophilin-1 controls multiple processes in reproduction of *C. elegans*.** *G3 (Bethesda, Md.)*
Matúš, D., Post, W. B., Groß, V. E., Knierim, A. B., Kuhn, C. K., Fiedler, F., Tietgen, D. B., Schön, J. L., Schöneberg, T., Prömel, S.
2024
- **Essential Role of Latrophilin-1 Adhesion GPCR Nanoclusters in Inhibitory Synapses.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Matúš, D., Lopez, J. M., Sando, R. C., Sudhof, T. C.
2024
- **The Adhesion GPCR and PCP component Flamingo (FMI-1) alters body size and regulates the composition of the extracellular matrix.** *Matrix biology : journal of the International Society for Matrix Biology*
Schön, J. L., Groß, V. E., Post, W. B., Daum, A., Matúš, D., Pilz, J., Schnorr, R., Horn, S., Bäumers, M., Weidtkamp-Peters, S., Hughes, S., Schöneberg, T., Prömel, et al
2024
- **Latrophilin-1 drives neuron morphogenesis and shapes chemo- and mechanosensation-dependent behavior in *C. elegans* via a trans function.** *Biochemical and biophysical research communications*
Matúš, D., Post, W. B., Horn, S., Schöneberg, T., Prömel, S.
2022; 589: 152-158
- **G Proteins and GPCRs in *C. elegans* Development: A Story of Mutual Infidelity.** *Journal of developmental biology*
Matúš, D., Prömel, S.
2018; 6 (4)