Stanford



Tilo Gschwind

Instructor, Neurosurgery

Bio

ACADEMIC APPOINTMENTS

- Instructor, Neurosurgery
- Member, Wu Tsai Human Performance Alliance

Teaching

COURSES

2024-25

- NeuroTech Training Seminar: STATS 242 (Spr)

2023-24

- NeuroTech Training Seminar: NSUR 239, STATS 242 (Spr)

Publications

PUBLICATIONS

- **Developmental xenocortication using human-derived organoids in mice.** *Nature*
  Kaganovsky, K., Kelley, K. W., Gschwind, T., Harary, P. M., Kochalka, J., White, A. D., Lerma-Usabiaga, G., Chen, X., Revah, O., Gore, F., Aoyama, A., Shadrach, J. L., Yoon, et al
  2026

- **Hippocampal microcircuits constrain the generation of epileptiform activity.** *bioRxiv : the preprint server for biology*
  Nguyen, Q. A., Farrell, J. S., Dudok, B., Szabo, G. G., Gschwind, T., Homidan, J., Soltesz, I.
  2026

- **Acetylcholine receptor based chemogenetics engineered for neuronal inhibition and seizure control assessed in mice.** *Nature communications*
  Nguyen, Q. A., Klein, P. M., Xie, C., Benthall, K. N., Iafrati, J., Homidan, J., Bendor, J. T., Dudok, B., Farrell, J. S., Gschwind, T., Porter, C. L., Keravala, A., Dodson, et al
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- **Artificial Intelligence–Guided Behavioral Phenotyping in Epilepsy** *Jasper's Basic Mechanisms of the Epilepsies*
  Gschwind, T., Soltesz, I.
  Oxford Academic.2024; 5: 1233–1258

- **Artificial Intelligence in Epilepsy Phenotyping.** *Epilepsia*
  Knight, A., Gschwind, T., Galer, P., Worrell, G. A., Litt, B., Soltesz, I., Beniczky, S.
  2023

- **Hidden behavioral fingerprints in epilepsy.** *Neuron*
  Gschwind, T., Zeine, A., Raikov, I., Markowitz, J. E., Gillis, W. F., Felong, S., Isom, L. L., Datta, S. R., Soltesz, I.
  2023

- **Ripple-selective GABAergic projection cells in the hippocampus.** *Neuron*
  Szabo, G. G., Farrell, J. S., Dudok, B., Hou, W. H., Ortiz, A. L., Varga, C., Moolchand, P., Gulsever, C. I., Gschwind, T., Dimidschstein, J., Capogna, M., Soltesz, I.
  2022

- **Supramammillary regulation of locomotion and hippocampal activity.** *Science (New York, N.Y.)*
  Farrell, J. S., Lovett-Barron, M., Klein, P. M., Sparks, F. T., Gschwind, T., Ortiz, A. L., Ahanonu, B., Bradbury, S., Terada, S., Oijala, M., Hwaun, E., Dudok, B., Szabo, et al
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- **Aberrant expression of PAR bZIP transcription factors is associated with epileptogenesis, focus on hepatic leukemia factor.** *Scientific reports*
  Rambousek, L., Gschwind, T., Lafourcade, C., Paterna, J. C., Dib, L., Fritschy, J. M., Fontana, A.
  2020; 10 (1): 3760

- **Optogenetic intervention of seizures improves spatial memory in a mouse model of chronic temporal lobe epilepsy.** *Epilepsia*
  Kim, H. K., Gschwind, T., Nguyen, T. M., Bui, A. D., Felong, S., Ampig, K., Suh, D., Ciernia, A. V., Wood, M. A., Soltesz, I.
  2020

- **Contribution of early Alzheimer's disease-related pathophysiology to the development of acquired epilepsy** *EUROPEAN JOURNAL OF NEUROSCIENCE*
  Gschwind, T., Lafourcade, C., Gfeller, T., Zaichuk, M., Rambousek, L., Knuesel, I., Fritschy, J.
  2018; 47 (12): 1534–62

- **Translational evaluation of translocator protein as a marker of neuroinflammation in schizophrenia** *MOLECULAR PSYCHIATRY*
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  2018; 23 (2): 323–34

- **Hypervulnerability of the adolescent prefrontal cortex to nutritional stress via reelin deficiency** *MOLECULAR PSYCHIATRY*
  Labouesse, M. A., Lassalle, O., Richetto, J., Iafrati, J., Weber-Stadlbauer, U., Notter, T., Gschwind, T., Pujadas, L., Soriano, E., Reichelt, A. C., Labouesse, C., Langhans, W., Chavis, et al
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- **Establishing a learned-helplessness effect paradigm in C57BL/6 mice: Behavioural evidence for emotional, motivational and cognitive effects of aversive uncontrollability per se** *NEUROPHARMACOLOGY*
  Pryce, C. R., Azzinnari, D., Sigrist, H., Gschwind, T., Lesch, K., Seifritz, E.
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