

Publication List

Iconeus

1. He, M., Usman, L., Charkhkar, H., & Cao, R. (2026). Functional ultrasound imaging in preclinical brain stimulation: From multimodal readouts to closed-loop neuromodulation. *Frontiers in Neuroscience*, 20, 1897417. <https://doi.org/10.3389/fnins.2026.1897417>
2. Khallaf, M. A., Hart, D. W., Luo, W., Murad, F., Cybis Pereira, F., Mendez-Aranda, D., Hagenah, N., Rossi, A., Bégay, V., Okrouhlík, J., Krautwurst, D., Kisinza Ngalameno, M., Ganswindt, A., Barker, A. J., Šumbera, R., Knaden, M., Pezet, S., Woehler, A., Hansson, B. S., Bennett, N. C., & Lewin, G. R. (2026). A queen odour mediates reproductive suppression in a eusocial mammal. *Nature*, 656, 390–398. <https://doi.org/10.1038/s41586-026-10772-5>
3. van der Veen, B., Ionescu, T. M., Deiana, S., Nissen, W., Wotjak, C. T., & du Hoffmann, J. (2026). GlyT1 inhibition enhances working memory in the mouse TUNL task and normalizes NMDA antagonist-induced network activity. *Psychopharmacology*. <https://doi.org/10.1007/s00213-026-07114-8>
4. Mast, N., Bederman, I., El-Darzi, N., & Pikuleva, I. A. (2026). CYP46A1 activation by low-dose efavirenz uncovers the link between brain cholesterol metabolism, energetics, and vasculature. *Biomedicine & Pharmacotherapy*, 199, 119470. <https://doi.org/10.1016/j.biopha.2026.119470>
5. Vidal, B., Badina, A. M., Dorogan, V., Schirmbeck, G., Sanches, E., Ceyzéiat, K., Knoop, M., Abjean, L., Tsartsalis, S., Sizonenko, S. V., Baud, O., Millet, P., Zerbi, V., & Tournier, B. B. (2026). Minute- and second-scale hippocampal network dysfunctions in the 3xTgAD mouse model of Alzheimer's disease are prevented by TSPO knockout. *Journal of Cerebral Blood Flow & Metabolism*. <https://doi.org/10.1177/0271678X261454104>
6. Pereira, M., Vidal, B., Valdebenito, M., Cheataini, F., Bouillot, C., Vidal, L., Nestor, L., De Bundel, D., Smolders, I., Droguerre, M., & Zimmer, L. (2026). Dissociation between hemodynamic and metabolic responses to chemogenetic modulation of astrocytes in mouse visual cortex. *Glia*, 74(7), e70171. <https://doi.org/10.1002/glia.70171>
7. Picot, A., Leboucher, M., Helaine, C., Talukdar, A., Khalin, I., Martinez de Lizarrondo, S., Gauberti, M., Nomenjanahary, M. S., Goux, D., Ho-Tin-Noé, B., Vivien, D., & Bonnard, T. (2026). Dual-action nanoconjugate for overcoming r-tPA-resistant clots. *bioRxiv*. <https://doi.org/10.64898/2026.05.13.725039>
8. Liu, X., Zhou, X. A., Hike, D., Duckworth, J., Pasupathy, N., Jiang, Y., Choi, S., Fu, Z., Rosen, B., Kleinfeld, D., & Yu, X. (2026). Spontaneous cortical vasodynamics form a multiscale propagation architecture across the awake brain. *bioRxiv*. <https://doi.org/10.64898/2026.05.19.726296>

9. Boucher, J., Shamma, S., & Boubenec, Y. (2026). Premotor cortex hemodynamic responses primarily reflect perceptual rather than specific motor aspects of decision making. *PLOS Biology*, 24(5), e3003768. <https://doi.org/10.1371/journal.pbio.3003768>
10. Zhou, T., Ho, Y.-Y., Hartley, N. D., Lee, R. X., Fath, A. B., He, K., Yuan, X., Merrow, S., Scott, J., Bajwa, N., Wilde, J., Gao, X., Li, C., Hong, E., Fu, Z., Nassar, M. R., Wimmer, R. D., Singh, T., Halassa, M. M., & Feng, G. (2026). Reduced mediodorsal thalamus activity underlies aberrant belief dynamics in a genetic mouse model of schizophrenia. *Nature Neuroscience*, 29(5), 1122–1132. <https://doi.org/10.1038/s41593-026-02237-9>