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Bio

EDUCATION AND CERTIFICATIONS

- Bachelor of Science, California Institute of Technology , Bioengineering, Business Economics and Management (2015)

Publications

PUBLICATIONS

- **Quantitative profiling of whole-brain connectomes at single-axon resolution using deep learning and high-resolution light sheet microscopy.** *bioRxiv : the preprint server for biology*
Attarpour, A., Raffiee, M., Xu, T., Osmann, J., Patel, S., Yu, F., Au, B., Clappison, A., Biparva, M., Zhu, R., Crow, A., Gharagoz, B. E., Rozak, et al
2025
- **A deep learning pipeline for three-dimensional brain-wide mapping of local neuronal ensembles in teravoxel light-sheet microscopy.** *Nature methods*
Attarpour, A., Osmann, J., Rinaldi, A., Qi, T., Lal, N., Patel, S., Rozak, M., Yu, F., Cho, N., Squair, J., McLaurin, J., Raffiee, M., Deisseroth, et al
2025
- **Cardiogenic control of affective behavioural state.** *Nature*
Hsueh, B., Chen, R., Jo, Y., Tang, D., Raffiee, M., Kim, Y. S., Inoue, M., Randles, S., Ramakrishnan, C., Patel, S., Kim, D. K., Liu, T. X., Kim, et al
2023
- **Deep brain optogenetics without intracranial surgery.** *Nature biotechnology*
Chen, R. n., Gore, F. n., Nguyen, Q. A., Ramakrishnan, C. n., Patel, S. n., Kim, S. H., Raffiee, M. n., Kim, Y. S., Hsueh, B. n., Krook-Magnusson, E. n., Soltesz, I. n., Deisseroth, K. n.
2020
- **Interacting neural ensembles in orbitofrontal cortex for social and feeding behaviour.** *Nature*
Jennings, J. H., Kim, C. K., Marshel, J. H., Raffiee, M., Ye, L., Quirin, S., Pak, S., Ramakrishnan, C., Deisseroth, K.
2019