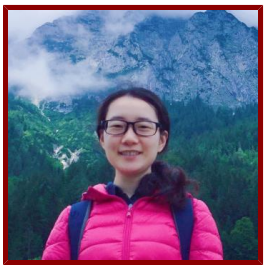
Stanford



Minhui Su

Instructor, Pediatric Neurology

Bio

BIO

Minhui Su, PhD is a postdoctoral fellow at the Neurology Department. She is investigating neuronal activity-regulated glioma growth, specifically how membrane depolarization regulates glioma growth in the tumor microenvironment.

She obtained her PhD in Molecular Biology, with a focus on neuroimmunology, at the International Max Planck Research School (IMPRS) at Georg August University Göttingen, Germany. Her PhD research discovered that inflammation is an essential early step of myelin regeneration, and uncovered the roles of microglia (the resident immune cells of the central nervous system) in myelin damage response.

She enjoys science, art and hiking in her free time.

ACADEMIC APPOINTMENTS

- Instructor, Pediatric Neurology

Publications

PUBLICATIONS

- **Cholinergic neuronal activity promotes diffuse midline glioma growth through muscarinic signaling.** *Cell*
  Drexler, R., Drinnenberg, A., Gavish, A., Yalçin, B., Shamardani, K., Rogers, A. E., Mancusi, R., Trivedi, V., Taylor, K. R., Kim, Y. S., Woo, P. J., Soni, N., Su, et al
  2025
- **GABAergic neuron-to-glioma synapses in diffuse midline gliomas.** *Nature*
  Barron, T., Yalçın, B., Su, M., Byun, Y. G., Gavish, A., Shamardani, K., Xu, H., Ni, L., Soni, N., Mehta, V., Maleki Jahan, S., Kim, Y. S., Taylor, et al
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- **Glioma synapses recruit mechanisms of adaptive plasticity.** *Nature*
  Taylor, K. R., Barron, T., Hui, A., Spitzer, A., Yalcin, B., Ivec, A. E., Geraghty, A. C., Hartmann, G. G., Arzt, M., Gillespie, S. M., Kim, Y. S., Maleki Jahan, S., Zhang, et al
  2023
- **An optimized quantitative proteomics method establishes the cell type-resolved mouse brain secretome** *EMBO JOURNAL*
  Tueshaus, J., Mueller, S. A., Kataka, E., Zaucha, J., Sebastian Monasor, L., Su, M., Guener, G., Jocher, G., Tahirovic, S., Frishman, D., Simons, M., Lichtenthaler, S. F.
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