Stanford



Zongyi Wang

Postdoctoral Scholar, Psychiatry

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

STANFORD ADVISORS

- Philippe Mourrain, Postdoctoral Faculty Sponsor

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Sleep disruptions in neurodegenerative disorders

Publications

PUBLICATIONS

- **Deletion of wfs1 Impairs Oligodendrocyte Precursor Cells Dorsal Distribution and Myelination Through the wfs1-hmgcs1 Axis in Zebrafish** *BIOLOGY-BASEL*
  Tang, X., Zhao, Z., Yao, K., Fan, D., Li, K., Zhou, J., Wang, Z., Hu, B.
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- **Reprogramming miR-146b-snphb Signaling Activates Axonal Mitochondrial Transport in the Zebrafish M-cell and Facilitates Axon Regeneration After Injury** *NEUROSCIENCE BULLETIN*
  Wang, X., Wang, Z., Chen, X., Cai, Y., Hu, B.
  2025; 41 (4): 633-648

- **Sevoflurane postconditioning ameliorates cerebral hypoxia/reoxygenation injury in zebrafish involving the Akt/GSK-3β pathway activation and the microtubule-associated protein 2 promotion** *BIOMEDICINE & PHARMACOTHERAPY*
  Zhang, L., Yang, M., Wang, Z., Fan, D., Shen, F., Zou, X., Zhang, X., Hu, S., Hu, B., Hu, X.
  2024; 175: 116693

- **Deletion of the chd7 Hinders Oligodendrocyte Progenitor Cell Development and Myelination in Zebrafish** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
  Shi, L., Wang, Z., Li, Y., Song, Z., Yin, W., Hu, B.
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- **DUSP2 Deletion Inhibits Macrophage Migration by Inhibiting ERK Activation in Zebrafish** *FISHES*
  Li, Y., Wang, X., Shi, L., Wang, Z., Zhao, Z., Ge, S., Hu, B.
  2023; 8 (6)

- **Wolfram syndrome 1b mutation suppresses Mauthner-cell axon regeneration via ER stress signal pathway** *ACTA NEUROPATHOLOGICA COMMUNICATIONS*

Wang, Z., Wang, X., Shi, L., Cai, Y., Hu, B.
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- **Optical toxicity of triphenyl phosphate in zebrafish larvae** *AQUATIC TOXICOLOGY*
  Shi, Q., Wang, Z., Chen, L., Fu, J., Han, J., Hu, B., Zhou, B.
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- **Circadian genes period1b and period2 differentially regulate inflammatory responses in zebrafish** *FISH & SHELLFISH IMMUNOLOGY*
  Ren, D., Zhang, J., Yang, L., Wang, X., Wang, Z., Huang, D., Tian, C., Hu, B.
  2018; 77: 139-146