Stanford



Homa Vahidi

MD Student with Scholarly Concentration in Informatics & Data-Driven Medicine / Neuroscience, Behavior, and Cognition, expected graduation Spring 2029

Curriculum Vitae available Online

Bio

BIO

I was born in Iran and moved to Canada at the age of 15 where I completed my undergraduate and graduate studies in Neuroscience. I primarily have work experience in academic and research settings and have become increasingly passionate about doing research that helps uncover the neural underpinnings of cognition, language, and social behaviours.

HONORS AND AWARDS

- Canada Graduate Scholarship – Master's (CGSM), Natural Sciences and Engineering Research Council of Canada (May 2022-May 2023)
- Ontario Graduate Scholarship (OGS) (Declined), Ontario Ministry of Colleges and Universities (May 2022-May 2023)
- Undergraduate Student Summer Research Award (x2), Natural Sciences and Engineering Research Council of Canada (2019 and 2020)
- Research Excellence Award, Society for Functional Near-Infrared Spectroscopy (SfNIRS) (Oct 2021)
- Best Presentation Award, London Health Sciences Centre (LHSC) Epilepsy Research Day (April 2024)
- Graduate Travel Award, University of Western Ontario (Oct 2021)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Graduate Student Representative, University of Western Ontario - Schulich School of Medicine and Dentistry - Department of Neuroscience (2023 - 2024)
- Chair of Mentorship Committee, Society of Neuroscience Graduate Students (SONGS) (2021 - 2023)

EDUCATION AND CERTIFICATIONS

- Bachelor of Science, University of Western Ontario , Neuroscience (2021)
- Master of Science, University of Western Ontario , Neuroscience (2024)

LINKS

- LinkedIn: https://www.linkedin.com/in/homavahidi/
- ORCID: https://orcid.org/0000-0001-6718-1537

Publications

PUBLICATIONS

- **Publisher Correction: fNIRS reproducibility varies with data quality, analysis pipelines, and researcher experience.** *Communications biology*
  Yücel, M. A., Luke, R., Mesquita, R. C., von Lühmann, A., Mehler, D. M., Lührs, M., Gemignani, J., Abdalmalak, A., Albrecht, F., de Almeida Ivo, I., Artemenko, C., Ashton, K., Augustynowicz, et al
  2025; 8 (1): 1256

- **fNIRS reproducibility varies with data quality, analysis pipelines, and researcher experience.** *Communications biology*
  Yücel, M. A., Luke, R., Mesquita, R. C., von Lühmann, A., Mehler, D. M., Lührs, M., Gemignani, J., Abdalmalak, A., Albrecht, F., de Almeida Ivo, I., Artemenko, C., Ashton, K., Augustynowicz, et al
  2025; 8 (1): 1149

- **Investigating Task-Free Functional Connectivity Patterns in Newborns Using Functional Near-Infrared Spectroscopy.** *Brain and behavior*
  Vahidi, H., Kowalczyk, A., Stubbs, K., Musabi, M., Roychaudhuri, S., Kent, M., Bhattacharya, S., de Ribaupierre, S., Lawrence, K. S., Mohsenzadeh, Y., Duerden, E. G.
  2024; 14 (12): e70180

- **Predicting cortical-thalamic functional connectivity using functional near-infrared spectroscopy and graph convolutional networks.** *Scientific reports*
  Tang, L., Kebaya, L. M., Vahidi, H., Meyerink, P., de Ribaupierre, S., Bhattacharya, S., St Lawrence, K., Duerden, E. G.
  2024; 14 (1): 29794

- **Altered functional connectivity in preterm neonates with intraventricular hemorrhage assessed using functional near-infrared spectroscopy.** *Scientific reports*
  Kebaya, L. M., Tang, L., Altamimi, T., Kowalczyk, A., Musabi, M., Roychaudhuri, S., Vahidi, H., Meyerink, P., de Ribaupierre, S., Bhattacharya, S., de Moraes, L. T., Lawrence, K. S., Duerden, et al
  2024; 14 (1): 22300

- **Altered resting-state functional connectivity in newborns with hypoxic ischemic encephalopathy assessed using high-density functional near-infrared spectroscopy** *SCIENTIFIC REPORTS*
  Tang, L., Kebaya, L. M. N., Altamimi, T., Kowalczyk, A., Musabi, M., Roychaudhuri, S., Vahidi, H., Meyerink, P., de Ribaupierre, S., Bhattacharya, S., de Moraes, L., St. Lawrence, K., Duerden, et al
  2024; 14 (1): 3176