Stanford



Ruohan Xia

Postdoctoral Scholar, Psychiatry

Bio

BIO

Ruohan's research centers around understanding the genetic and environmental mechanisms supporting infants' and young children's socioemotional development through the lens of developmental cognitive neuroscience. Her PhD research focused on uncovering he neural and caregiver correlates on infants' emotion-perception neural circuitry during live interactions in typically developing children using electroencephalogram (EEG). At Stanford, she is pursuing research questions using a combination of magnetic resonance imaging (MRI) and EEG to identify the endophenotype of the neural anatomy and function in children with rare genetic conditions such as neurofibromatosis type 1 (NF1) and Noonan Syndrome (NS) differ from typically developing counterparts, and explore how such neural differences may lead to unique developmental trajectory of social communication.

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Davis (2026)
- Master of Education, University of Virginia (2020)
- Bachelor of Arts, University of Wisconsin Madison (2018)

STANFORD ADVISORS

- Tamar Green, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Tamar Green, Brain Imaging, Development, and Genetics Lab (7/24/2026)
- Tamar Green, Brain Imaging, Development, and Genetics Lab (7/24/2026)

Publications

PUBLICATIONS

- **From screens to live interactions: Considerations for naturalistic EEG paradigms in social and affective neuroscience** *DEVELOPMENTAL COGNITIVE NEUROSCIENCE*
  Xia, R., Frenkel, T. I., Bowman, L. C.
  2026; 81: 101795
- **Parental emotionality is related to preschool children's neural responses to emotional faces.** *Social cognitive and affective neuroscience*
  Xia, R., Heise, M. J., Bowman, L. C.
  2024; 19 (1)