Center for Cognitive and Behavioral Brain Imaging

Center for Cognitive

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Director, Center for Cognitive and Behavioral Brain Imaging
September 14, 2024



CENTER FOR COGNITIVE AND BEHAVIORAL BRAIN IMAGING



MISSION STATEMENT



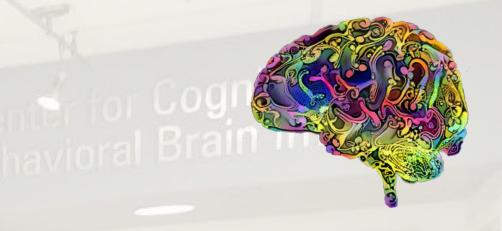
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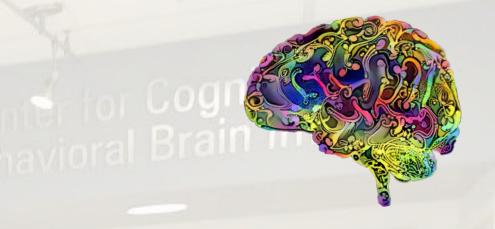
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VISION FOR THE CENTER AND OUR FIELD

Rigorous, Collaborative, and Open Science Research

> Center for Cognitive and Behavioral Brain Imaging

Use our science to promote the well-being of our communities.

Cultivate an inclusive, respectable, and transparent climate to train our students

Researchers from diverse backgrounds are of critical importance to advancing brain imaging research

- The majority of neuroimaging research participants identify as white (Sterling et al., 2022).
- Models fit on majority white samples fail to generalize to other racial and ethnic groups (Li et al., 2022).
- Researchers from diverse backgrounds help recruit underrepresented participants, reduce systematic bias, invigorate problem solving, and bring novel perspectives to research (Thakur et al., 2021, Media & Lee, 2012).



Advancing Diversity in Neuroimaging Research

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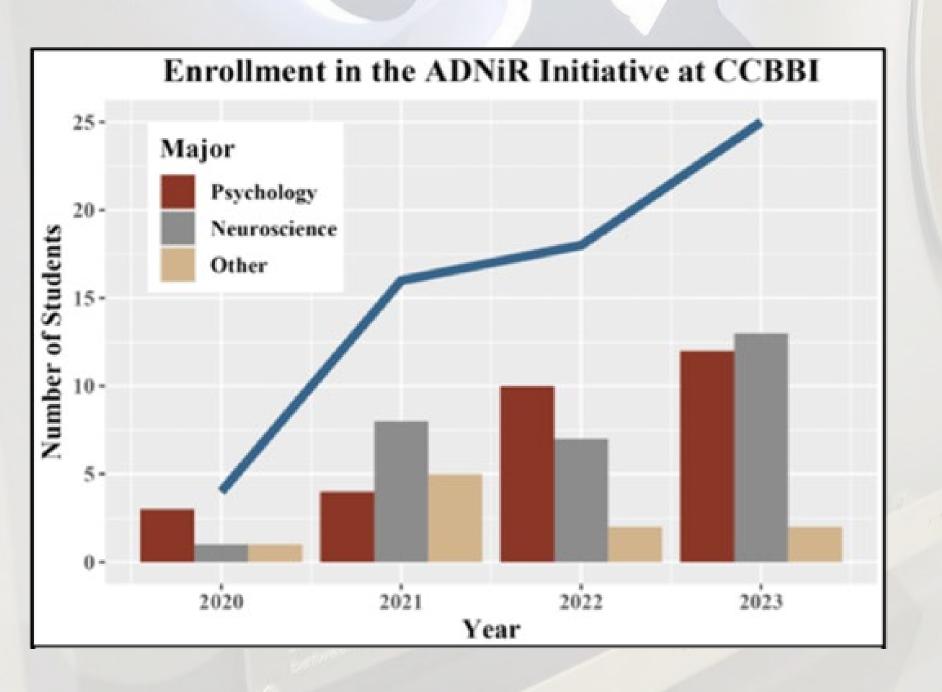
(ADNiR Initiative)

The ADNiR Initiative was launched in 2020 to create a community of neuroim aging researchers that represented the growing diversity of the nation to foster a better understanding of the human brain.

- Two-year, paid internship
- Perform research in a CCBBIa ffilia ted la b
- Receive professional development
- Attend seminars and workshops focused on topics and techniques in cognitive neuroscience
- Attend and present their research at scientific conferences

Growth of the ADNiR Initiative

Increased Interest in ADNiR Initiative

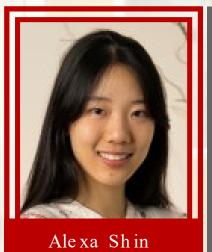


ADNiR Alumni STEM Careers

2020 Cohort



Graduate student. University of California, Merced, in the Department of Cognitive and In form a tion Sciences



Me dic a 1 student a t the University of Toledo

2021 Cohort



Arian Sorani

Clinical research coordinator at The Ohio State University Wexner Medical Center



Jessica Timog

Graduate student, The Ohio State University in the Department of Speech and He a rin g

Current ADNiR Scholars

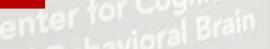
2022 Cohort

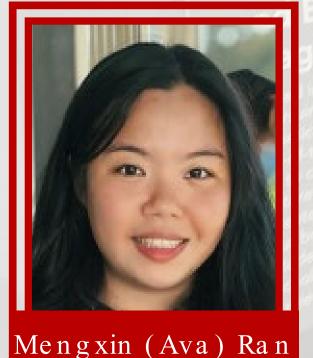


Florencia Ontiveros

Mentor: Dr. Kristen Hoskinson

Interests: Development, traumatic brain injury, and cogntive neuroscience.





Mentor: Dr. Julie Golomb

Interests: Visual processing, neuroim aging, and cognition.

2023 Cohort



Mentor: Drs. Saygin and Osher

Interests: Carcinogens, brain development, and cognition



Lingwen Ren

Mentor: Dr. Jay Fournier

Interests: Individual differences, neuroscience, and personalized medicine.

Today's Presentations





Florencia Ontiveros (2022 ADNiR recipient)

Undergraduate at OSU (mentor: Dr. Kristen Hoskinson, Department of Psychiatry and Behavioral Health)

ADNiR mentored research focused on the relationship between brain trauma Florencia Ontiveros severity and white matter lesions in pediatric patients



Jessica Timog

Jess Timog (2021 ADNiR recipient)

Graduate student at OSU (M.A. Speech-Language Pathology / Ph.D. in Speech and Hearing Science)

ADNiR mentored research focused on the relationship between gray matter lesions and deficits in speech processing in aphasia patients