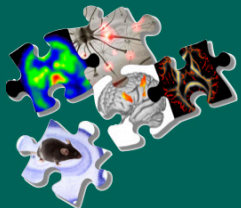




Translational Neuroscience Program

WAYNE STATE UNIVERSITY SCHOOL OF MEDICINE

AIM HIGHER



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TNP's MISSION STATEMENT

Established in 2007, the primary mission of the Translational Neuroscience Program at WSU is to inspire a new generation of biomedical investigators highly-trained in interdisciplinary science that focuses on improving the health and care of individuals affected by psychiatric or neurological disorders, or injuries in the nervous system through an understanding of disease mechanisms.

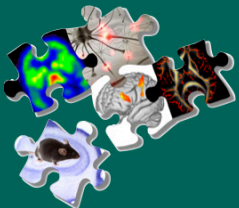
Our mission begins with a program that is inherently interdisciplinary with faculty mentors specialized in basic, translational and clinical neuroscience. Students from diverse undergraduate backgrounds are exposed to a comprehensive and integrated bio-behavioral didactic curriculum. This includes courses in basic cellular, molecular and system's neurobiology, behavior and cognition, and neuroimaging.

The program offers access to world-class neuroimaging facilities for both animal and human research, and highly-experienced scientists with expertise in brain disorders, diseases and injuries, pre-clinical animal research, transgenic and knockout models, substance abuse, neuropharmacological treatments, brain network and computational modeling, and brain development and aging.

The TNP program is fully committed in training basic and clinical neuroscientists who will be driving innovations that impact public health.

FACTS ABOUT THE PH.D. GRADUATE PROGRAM

- Housed in the Department of Psychiatry & Behavioral Neurosciences.
- Comprised of over 40 faculty members from 18 different departments spanning 4 colleges and schools within WSU.
- Neuroscience research is one of the most rapidly developing branches of medical research.
- TNP faculty members are well recognized as national and international leaders and world experts in key research areas including:
 - neuroimaging in pediatric disorders
 - substance abuse and addiction research in human and animal models
 - neuropharmacological treatment effects on brain and behavior
 - traumatic brain injuries in human and animal models
 - transgenic and knockout models
 - brain development and aging
 - fetal neuroimaging
 - prenatal fetal alcohol exposure
 - mood and psychotic disorders
 - obesity
 - and brain network and computational modeling.



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