



Translational Neuroscience

WAYNE STATE UNIVERSITY SCHOOL OF MEDICINE

TNP'S MISSION STATEMENT

Established in 2007, the vision of the Translational Neuroscience Program 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 TNP faculty members specialized in basic, translational and clinical neuroscience. Students from diverse undergraduate backgrounds are exposed to a comprehensive, extensive and integrated bio-behavioral didactic curriculum. This includes courses in basic cellular, molecular and systems neurobiology, behavior and cognition, and neuroimaging. To earn a Ph.D. from the TNP, students are required to demonstrate proficiency in both conceptual and technical facets of modern biomedical research and to perform meritorious original neuroscience research on a significant and clinically relevant problem.

The TNP program is fully committed to training basic and clinical neuroscientists who drive innovations to impact public health.

FACTS ABOUT THE PH.D. GRADUATE PROGRAM

- Housed in the Department of Psychiatry & Behavioral Neurosciences
- Neuroscience research is one of the most rapidly developing branches of medical research
- TNP faculty members are well recognized as international leaders and world experts in key research areas including:
 - substance abuse, addiction and pain research
 - stress and trauma exposure
 - prenatal exposure
 - brain injuries
 - brain development
 - pediatric disorders
 - neurodegenerative diseases and aging
 - epilepsy and neurological disorders
 - neuroimaging methodologies
 - mood and psychotic disorders
 - brain network and computational modeling

48+

Faculty Members

18 Departments

4 Schools/Colleges

36%

Success Rate

NIH Predoctoral Fellowships



74%

of graduates are in academic research

Interdisciplinary Training in Science



Excitement of

Midtown Detroit

WARRIOR STRONG

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