



MILLER SCHOOL
of MEDICINE

UNDERGRAD RESEARCH **OPENINGS**

Position Details

THE FOCUS OF DR. TOBOREK'S LABORATORY IS
INTERDISCIPLINARY RESEARCH IN NEUROSCIENCE,
VASCULAR BIOLOGY, AND TUMOR BIOLOGY

- Specific research interests include the integrity of the blood-brain barrier (BBB) and the mechanisms by which various pathological conditions disrupt BBB function, contributing to cognitive decline and depression.
- Several projects focus on HIV-1 trafficking into the brain and the impact of aging on HIV infection.
- Another major area of research investigates the effects of drugs of abuse on the BBB. The laboratory studies the molecular mechanisms of cerebrovascular toxicity induced by methamphetamine and opioids using both in vitro and in vivo experimental models.
- In addition, the laboratory conducts active research on the health effects of environmental toxicants.

STUDENTS MUST COMPLETE BIOSAFETY TRAINING

FOR MORE INFORMATION, GO TO:

<https://med.miami.edu/labs/toborek-lab/research>



**SEND YOUR
RESUME TO:**

**DR. MICHAL TOBOREK
MTOBOREK@MED.MIAMI.EDU**