



# EVELYN F. AND WILLIAM L. MCKNIGHT BRAIN INSTITUTE



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### Mission

The Evelyn F. and William L. McKnight Brain Institute of the University of Florida, known as the MBI, is one of the nation's most comprehensive and diverse neuroscience research centers. Our investigators and physician-scientists from across the UF campus hope to broaden the understanding of many neurological disorders and change them from untreatable to treatable, incurable to curable and inevitable to preventable.

### Research Areas of Focus

#### ADDICTION

We are tackling addiction from all angles — at the molecular level, via behavioral neuroscience and through human laboratory studies and epidemiological approaches.

#### BRAIN CANCER

We are working to increase survival rates and discover cures for patients diagnosed with primary or metastatic brain tumors.

#### BREATHING RESEARCH AND THERAPEUTICS

We are developing new therapies to enhance breathing and swallowing ability for those with neurological disorders.

#### CHRONIC NEUROLOGICAL DISEASES

We are working to develop the next generation of therapies to combat neurodegenerative diseases such as ALS, Alzheimer's, dystonia and Parkinson's.

#### COGNITIVE AGING

We are dedicated to translating novel discoveries about brain aging into interventions that will preserve cognitive function and improve quality of life for older adults.

#### MENTAL HEALTH, NEUROBEHAVIORAL SCIENCES AND PSYCHIATRY

We are working to understand the causes of neuropsychiatric illness and to improve the lives of those suffering from these brain disorders.

#### PAIN AND SENSORY PHYSIOLOGY

We are exploring ways to reduce or block neuropathic pain and to help those who have lost, or never had, the sense of smell and/or taste.

#### TRAUMATIC BRAIN INJURY, SPINAL CORD INJURY AND STROKE

We are pursuing new therapies to restore function and improve quality of life for those suffering from traumatic brain injury, spinal cord injury and stroke.

200+

MBI members  
from more than 50  
academic departments

\$82M

in NIH funding (has doubled  
over past 10 years)

12+

specialized research centers

No. 3

among public universities  
for NIH funding for  
neuroscience/neurology  
departments



# EVELYN F. AND WILLIAM L. MCKNIGHT BRAIN INSTITUTE



## 25 Years

*of discovery and innovation to propel neuroscience and neuromedicine research*

### Research Facilities

The MBI's state-of-the-art, six-story building houses the laboratories of researchers and physician-scientists from across UF's campus. The MBI provides a rich scientific and intellectual environment that facilitates multidisciplinary understanding of nervous system function spanning from the single cell to human behavior. These efforts are facilitated by MBI support of a number of core imaging facilities that include advanced MRI and spectroscopy facilities and leading-edge microscopy resources.

### Education

The MBI is a world-class training destination for those interested in pursuing research careers focused on brain discovery. Through our support of innovative and forward-thinking training programs, we are dedicated to building a diverse and talented research workforce prepared to tackle the most challenging questions in neuroscience and neuromedicine.

Our programs include a nationally recognized Summer Neuroscience Internship Program for undergraduates and specialized training programs for graduate students and postdoctoral fellows. The MBI recently launched Gator NeuroScholars, a postdoctoral training program designed to attract top scholars from across the U.S.

To build our larger, more diverse scientific community, the MBI hosts prominent visiting scientists from collaborating institutions, engages in outreach activities in our community and supports the efforts of our own scientific leaders to organize events and conferences.

### Patient Care

Many of our physician-scientists treat patients and conduct research at the UF Health Neuromedicine Hospital, the Norman Fixel Institute for Neurological Diseases at UF Health and other facilities across the UF Health system.

The MBI supports the development of multidisciplinary teams and approaches that are focused on rapidly translating basic science findings in the laboratory into clinical applications.

## 1,000+

**community members engaged annually through outreach activities**

## 10+

**training programs to develop the next generation of neuroscientists**



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