

EVELYN F. AND WILLIAM L. MCKNIGHT BRAIN INSTITUTE (MBI) FACT SHEET



Tetsuo Ashizawa, MD, FAAN

Executive Director

Evelyn F. and William L. McKnight Brain Institute
of the University of Florida;
Melvin Greer Professor and Chairman
Department of Neurology

Mission.

To understand how normal central nervous system (CNS) development and function contribute to higher cognitive functions, including lifelong learning and memory, via complex interactive neural circuitries that produce all of our incredible human behaviors. Focusing on the ability to remember and learn throughout life, treatment of movement disorders, brain cancer and stroke, our dedicated scientists and clinical investigators rely on state-of-the-art facilities, resources and creativity that are required for the discovery of powerful new protocols to treat all neurological disorders that have the potential to impair quality of life. Our dedication to this mission will continue to lead advances in knowledge of the normal, compromised, protected, and repaired CNS.

Research.

The McKnight Brain Institute at the University of Florida is a research and teaching center, which conducts integrated research in neuroscience, neurology, neurosurgery, psychiatry, cognitive science, and related areas. The MBI is one of the nation's most comprehensive and technologically advanced centers devoted to discovering how the normal brain operates, and how we can repair the brain following injury, disease, or aging. The MBI's current strategic research focuses include neurodegeneration (such as AD, PD, and ALS), age-related memory loss, brain and spinal cord injuries, brain tumors, and addiction.

To aid research in these areas, the MBI operates several core facilities providing advanced (up to 17.5 tesla) magnetic resonance imaging and spectroscopy, cell and tissue analysis, flow cytometry, brain tissue banking, gene therapy, and more. The MBI is also an integral part of the Neuroscience Initiative of the "Top 10" Proposal, in collaboration with the health science campus, College of Engineering, and other colleges.

200,000

**square feet of
research space**

300

**faculty are involved with
the MBI from over 50
academic departments**

\$38M

**in endowed donor funds to
help support research**

8

**Magnetic Resonance Imaging
& Spectroscopy Systems**

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Education.

The College of Medicine departments of Neuroscience, Neurology, Neurosurgery, and Psychiatry, along with the Centers for Smell and Taste, Structural Biology, and Addiction Research & Education are housed together in the MBI to create convenient collaborations and educational opportunities for students and faculty. Additionally, the MBI unites researchers from multiple colleges and departments throughout the Health Science Center with numerous interdisciplinary programs and projects, and facilitates over 320 lectures and seminars each year involving the best scientists from around the globe. With over 50 labs and 200,000 square feet of research space, the MBI provides a rich environment to train today's students and post docs to become tomorrow's leading investigators. This year we will start supporting IDP graduate programs, including the MD / PhD Program.

Patient Care.

The MBI contains administrative offices for three clinical departments of the College of Medicine as well as the Neuromedicine Interdisciplinary Clinical and Academic Program (NICAP) developed to improve the patient experience throughout the continuum of care by focusing on safety and quality concerns. Additionally, the MBI is home to the linear accelerator-based radiosurgical system developed by the department of Neurosurgery, which has become one of the most popular commercial radiosurgery systems worldwide.

66

pilot studies, awards and development packages funded last year

320

professional seminars presented annually

10

colleges at UF participate in MBI projects