Mission
The Evelyn F. and William L. McKnight Brain Institute of the University of Florida, or MBI, is dedicated to supporting neuroscience and neuromedicine research across our campus. We strive to understand how normal central nervous system, or 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 and treatment of movement disorders, brain cancer and stroke, our dedicated scientists and clinical investigators rely on state-of-the-art facilities, resources, collaboration 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 MBI is a research and teaching center, that 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 areas of focus include neurodegeneration (such as Alzheimer’s disease, Parkinson’s disease and amyotrophic lateral sclerosis, or 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 MRI (up to 17.6 tesla) and spectroscopy, cell and tissue analysis, flow cytometry, brain tissue banking, gene therapy and more. The MBI is an integral part of UF’s Neuroscience and the Brain preeminence focus area and will continue to support the upward trajectory of neuroscience at the university.
Education
The College of Medicine departments of neuroscience, neurology, neurosurgery and psychiatry, along with the Center for Smell and Taste, the Advanced Magnetic Resonance Imaging and Spectroscopy Facility and the Center for Cognitive Aging and Memory (CAM) are housed together in the MBI to create convenient collaborations and educational opportunities for faculty and staff. Additionally, the MBI links researchers from multiple colleges and departments throughout the academic health center and university with numerous interdisciplinary programs and projects, and facilitates more than 400 lectures and seminars each year involving the best scientists from around the globe. With over 50 labs and 260,000 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.

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 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.