BREATHING, NEUROMUSCULAR PLASTICITY, AND REHABILITATION

Featuring Dr. David Fuller

University of Florida

Friday, November 6, 2015 | 12:00 - 1:30 pm | 112 HPER

ABSTRACT

Dr. Fuller will discuss the neuromuscular control of breathing and how it is impaired following injuries to the spinal cord. He will then review pre-clinical studies from his laboratory aimed at inducing spinal neuroplasticity and improving respiratory motor function after spinal cord injury. The presentation will include data related to stem cell therapy, gene transfer, and pharmacologic treatments.

ABOUT DR. FULLER

Dr. Fuller is a Professor in the Department of Physical Therapy. Dr. Fuller’s research program is aimed at understanding how neuroplasticity in the brain and spinal cord influences the control of breathing. Dr. Fuller’s laboratory uses a multidisciplinary approach to explore the relationship between neural plasticity and breathing.