

Training in Breathing Research and Therapeutics (BREATHE)

Predoctoral and postdoctoral training opportunities
University of Florida

The National Heart Lung and Blood Institute-funded University of Florida Breathing Research and Therapeutics (BREATHE) Training Program is actively recruiting predoctoral and postdoctoral fellows. These NRSA-funded positions require either US citizenship or permanent resident status. More than 30 funded PIs are trainers in the program. Graduate students from a wide range of disciplines enter PhD programs appropriate to their interests (e.g., Neuroscience, Biomedical or Electrical Engineering, Rehabilitation Science, Applied Physiology and Kinesiology, Physiological Sciences). Postdoctoral trainees enter individual laboratories, but benefit from a rich training program that includes both basic science and clinical experiences. Details of the program can be seen on the BREATHE website:

<https://breathe.phhp.ufl.edu/training/>

- **Areas of interest:** respiratory neurobiology, respiratory muscle biology, swallowing/dysphagia, airway defense, therapeutic and pathogenic intermittent hypoxia, and clinical translation
- **Experimental approaches:** basic cell/molecular, whole animal physiology, human physiology, neuro-technology, gene therapy, brain and muscle imaging, and human clinical trials
- **Clinical problems studied:** neurodegenerative (AD, PD, ALS, Pompe), traumatic (SCI and TBI) and ischemic (stroke) neural injury, muscle genetic disorders (DMD, Pompe), cancer cachexia, ventilator weaning, heart failure, opioid-induced respiratory depression, and sex/aging as biological variables
- **Therapeutic approaches:** gene therapy, pharmacology, neurotechnology, nanotechnology, intermittent hypoxia, sleep fragmentation, physical rehabilitation, and others
- **Interdisciplinary training faculty:** Colleges of Medicine, Veterinary Medicine, Public Health & Health Professions, Engineering, Health and Human Performance

Predoctoral and postdoctoral positions become available on an annual basis. Although the Training Grant positions require US citizenship or permanent residence status, many program faculty often have extramural grant support to fund positions where citizenship or permanent residence is not required. Because, like the NIH, we firmly believe that trainees from diverse backgrounds and life experiences bring different perspectives, creativity, and individual enterprise to address complex scientific problems, individuals from historically underrepresented groups, with disabilities, and/or from disadvantaged or underserved backgrounds are highly encouraged to apply.

If you would like to recommend a trainee or have any questions about the program, please email BREATHE Center Director Dr. Gordon S. Mitchell at gsmitch@phhp.ufl.edu. Copy Assistant Director Kate Casey-Sawicki at ksawicki@ufl.edu on all communications.

Full applications are accepted on a rolling basis at: <https://breathe.phhp.ufl.edu/training/breathe-application/>.



Scan to learn more about the
BREATHE Training Program!