

Postdoctoral Training in Breathing Research and Therapeutics (BREATHE)

The University of Florida Breathing Research and Therapeutics (BREATHE) Training Program is recruiting **one postdoctoral fellow** for an NIH-funded position supported by a National Heart, Lung, and Blood Institute T32 training grant.

BREATHE offers a unique opportunity for trainees to engage in interdisciplinary, translational research focused on respiratory science. Trainees benefit from co-mentorship by faculty across five UF colleges — Public Health & Health Professions, Medicine, Veterinary Medicine, Engineering, and Health & Human Performance — and gain access to a vibrant research community with over 30 potential mentors.

Through BREATHE's cross-training model, basic scientists gain exposure to clinical challenges, while clinically oriented researchers build strong foundations in basic science. This structure allows trainees to explore a wide range of research topics, experimental techniques, clinical problems, and therapeutic strategies.

- **Areas of interest:** Respiratory neurobiology/neuroplasticity and muscle biology, airway defense, swallowing/dysphagia, therapeutic intermittent hypoxia, hyperbaric oxygen, and clinical translation
- **Experimental approaches:** Cell/molecular, whole-animal physiology, human physiology, neurotechnology, gene therapy (AAV), brain and muscle imaging, and human clinical trials
- **Clinical problems:** Neurodegenerative (ALS, Pompe, PD, AD), traumatic (SCI and TBI) and ischemic (stroke) neural injury, muscle genetic disorders (DMD), cancer cachexia, heart failure, and opioid-induced respiratory depression
- **Therapeutic approaches:** Intermittent hypoxia, gene therapy, pharmacology, neurotechnology, nanotechnology, sleep fragmentation, and physical rehabilitation

Applicants must be U.S. citizens or permanent residents. Postdoctoral fellows receive stipends based on current NIH guidelines, with potential supplements provided by primary mentors to match prevailing rates in their specific programs. The program also provides health insurance, partial reimbursement for childcare expenses, and professional development funds to support travel and research activities. Clinically qualified applicants are strongly encouraged to apply.

For more information about the program, email BREATHE Center Director Gordon Mitchell at gsmitch@ufl.edu. Copy Assistant Director Kate Casey-Sawicki at ksawicki@ufl.edu.

Applications are accepted on a rolling basis. Apply by **February 15** to ensure eligibility for our **Spring 2026 postdoctoral position!**

Apply at bit.ly/BREATHE-Apply
by **February 15!**

