NeuralCODR is an innovative cross-disciplinary education and mentorship training program combined with rare, long-term clinical experience and advisement. The purpose is to develop new independent faculty members who are driven by innovative and clinically translatable research in the developing discipline of neural and organ control as well as the establishment of new collaborative research networks. This unique training format brings together mentorship teams of regeneration biologists, neurophysiologists, and clinician researchers, and it emphasizes experiences in tissue and organ engineering laboratories in parallel with education in neuromodulation, translational theory, and practice. The goal is to not only expose trainees to innovative expertise and tools across a divide in related, but traditionally siloed, disciplines, but also to promote:

1) programs strategically focused on the interface between regeneration/disease organ model systems and functional neuroanatomy and physiology.
2) group problem identification driven by a collaborative group of clinician researchers.
3) catalytic mechanisms for cross training and expertise development between research centers.

Successful NeuralCODR candidates will work on exciting projects aimed at bridging the gap between vascular, gastrointestinal, immune, and musculoskeletal systems research and neurophysiology, neuromodulation, and neural injury studies. These multidisciplinary projects will target new research questions with an eye toward diverse organ systems and clinical relevance. NeuralCODR trainees will seed a new generation of scientists, innovators, and leaders in the field of neural control of organ degeneration and regeneration. We seek candidates who embrace and reflect diversity in the broadest sense. Trainees are expected to establish a primary mentor (i.e., host laboratory) and a secondary mentor prior to application.

Qualified candidates should have expertise in molecular neuroscience, neural modulation, and/or organ function to work with regeneration biologists, neurophysiologists, and clinician researchers at Houston Methodist Research Institute and throughout the Texas Medical Center.

In accordance with National Institutes of Health (NIH) T32 guidelines, NeuralCODR funding is currently available to United States citizens and permanent residents only, but we hope to expand funding opportunities in the future.

Eligibility Requirements:
- PhD or MD/PhD in neuroscience, bioengineering, physiology, or cell biology
- 2-4 years of postdoctoral experience
- United States citizen or permanent resident
- Strong background in the scientific method, experimental design, and statistical methodology
- Desire to work in an exciting collaborative environment, combining neural function or development with organ function or engineering

Application Requirements:
- Completed application form
- Research Proposal (2-page limit)
  - Proposal must be based on either a) one of the potential projects listed on the website or b) a project independently developed with NeuralCODR faculty members
- 4 Letters of Support (2 must be from the sponsoring NeuralCODR faculty members
- Curriculum Vitae

For more information, please visit [www.neuralcodr.org](http://www.neuralcodr.org). Any questions should be addressed to Dee Woodson, Operations Manager, at dwoodson@houstonmethodist.org.