Auditory Plasticity Postdoctoral and Graduate Student Positions

Applications are invited to fill a NIH-funded postdoctoral research associate position and a graduate student position in the Engineer Lab within the Texas Biomedical Device Center (TxBDC) at the University of Texas at Dallas. These positions are part of a 5-year, NIH/NIDCD funded R01 project that examines whether vagus nerve stimulation paired with auditory training can enhance the neural and behavioral auditory processing deficits in a rodent model of autism. Our laboratory is focused on understanding and improving the auditory processing impairments observed in neurodevelopmental disorders.

The TxBDC consists of a world class team of scientists, engineers, medical doctors, regulatory specialists, and clinicians committed to the development of affordable and innovative therapies and technologies to improve the quality of life for individuals suffering from neurological disorders. Our team has twice successfully translated preclinical studies into human clinical trials.

Postdoctoral position: Candidates are expected to have a PhD related to neuroscience, biomedical engineering, speech/hearing science or similar disciplines. Candidates with backgrounds in awake behaving electrophysiology, MATLAB programming, and/or signal processing are especially encouraged to apply. Preferred applicants will have experience in performing rodent behavioral and neurophysiological experiments, strong written and oral communication skills, and an ability to work both independently and collaboratively. The candidate is expected to contribute to all stages of the research including designing experiments, supervising graduate and undergraduate students for data collection, analyzing data, and disseminating results. Candidates interested in this position should apply online. The position has a December 1, 2018 start date, depending on applicant availability. Applications will be reviewed until the position is filled.

Graduate student position: Candidates are expected to have an undergraduate degree in neuroscience, biomedical engineering, speech/hearing science or a related field. Experience with rodents or MATLAB programming is preferred, along with an ability to work both independently and collaboratively.

Interested candidates should contact Dr. Crystal Engineer.