Postdoctoral Fellow
Electrophysiology of Transcranial Electric Stimulation
Biomedical Engineering – City University of New York

The Parra lab (parralab.org) is seeking a postdoctoral fellow to study the mechanisms of action of transcranial electric stimulation (TES). We are in particular interested in the effects of electric stimulation on synaptic plasticity (LTP and LTD). Transcranial electric stimulation is currently the subject of hundreds of clinical trials but the cellular and network mechanisms are not well understood. There are only a few labs around the world working on the basic mechanisms of TES and thus this postdoctoral fellow will be performing pioneering work with high clinical relevance. The candidate should have experience with slice electro-physiology, and ideally with protocols to induce long-term potentiation. Experience with *in vitro* patch-clamp recordings and/or two-photon calcium imaging is a plus. Modeling and good programming skills are desirable. The position is available immediately with funding until March 2021.

The laboratory is at the Center for Discovery and Innovation at the City College of New York (CCNY). The Center and the adjacent Advanced Science Research Center of The City University of New York (CUNY) have state-of-the-art core facilities in phonics, micro-fabrication, (3T) MRI, NMR, and much more. The campus is located in scenic Hamilton Heights, Manhattan. Come and be a part of the unparalleled science community of New York City!

Interested applicants should email a CV, a cover letter, and contact information for three references to: Lucas C. Parra, Ph.D. <parra@ccny.cuny.edu>.

CCNY is committed to enhancing our diverse academic community by actively encouraging people with disabilities, minorities, veterans, and women to apply. We take pride in our pluralistic community and continue to seek excellence through diversity and inclusion. EO/AA Employer. Posted May 10, 2018.