



**Wallace H. Coulter Department of
Biomedical Engineering**
at Georgia Tech and Emory University



EMORY
UNIVERSITY

Postdoctoral position: Synaptic mechanisms controlling perception

[The Haider Lab](#) in the Dept. of Biomedical Engineering (BME) at Georgia Tech & Emory University seeks a highly motivated and skilled postdoctoral fellow for a 3-year funded project examining synaptic and network mechanisms supporting sensory perception.

The project offers significant opportunity to learn cutting-edge research techniques *in vivo*, including neural population recording with high-density silicon electrodes, optogenetic circuit manipulation, and whole-cell patch-clamp recording during behavior.

The ideal candidate has expertise in electrophysiology *in vitro* or *in vivo*, and quantitative skill in data acquisition and analysis (preferably with MATLAB). Candidates should have excellent written and verbal communication skills, an inquisitive mindset, and enthusiasm to work in a multi-disciplinary team.

The position is funded for up to 3 years, pending satisfactory performance upon annual review. We are enthusiastic to form a diverse, international research group. All candidates will be mentored to obtain independent funding as part of their career development.

There is a strong, multidisciplinary concentration of labs focusing on [Neuroscience @ GT](#) and at [Emory](#). Atlanta is vibrant, green, and one of the most affordable and livable major cities of the US.

Applications should include a CV, a brief statement of research goals, expected date of availability, and names and contact information of three references. Please email these materials to bilal.haider@bme.gatech.edu

[The Wallace H. Coulter Dept. of Biomedical Engineering](#) at Georgia Tech and Emory University is an equal opportunity employer committed to diversity. The Department is a unique enterprise, spanning two of the top Engineering and Medical institutes in the country. This environment offers unparalleled facilities and resources for the pursuit of understanding neural circuits and their relationship to behavior and neurological dysfunction.

Further information and recent lab publications can be found at haider.gatech.edu

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