Two Post-doctoral Positions to Study the Electrophysiology of Language Networks

Two post-doctoral positions are available in the lab of Nitin Tandon at Houston (www.tandonlab.org), to begin as soon as fall of 2015, for a duration of up to five years.

These positions will be supported by recent grants awarded to the PI from the National Science Foundation and the national Institutes of Health. Candidates for this position should have a background in cognition/ cognitive neuroscience/ intracranial electrophysiology and be interested in understanding speech production in humans.

Interactions with our collaborators on these grants, particularly Greg Hickok at UCI, Bob Knight at UC Berkeley and Behnaam Aazhang at Rice University will be encouraged and facilitated. Both positions will involve state-of-the-art analysis of electro-corticographic signals in patients using stereo EEG and subdural grid electrodes and novel electrical stimulation approaches. Opportunities for inter-modal comparisons will also be provided. Candidates must have strong capabilities in one or more of the following disciplines – electrophysiology, signal processing, cognitive neuroscience or computational neuroscience. New members of the lab will benefit from the expertise of several other collaborators, post-docs and graduate students and a proven track record of expertise in intracranial electrophysiology.

Applications should consist of a cover letter describing research interests (and how those are a good fit for the position), a curriculum vitae, and contact information for three referees. Applicants will be evaluated on a first come first served basis and applications will be evaluated till the positions are filled, which we expect to happen by the end of this year.

Pay will be commensurate with NIH/NSF rates for post-doctoral fellows and full benefits will be provided via the University of Texas.

Please feel free to contact us for inquiries (nitin.tandon@uth.tmc.edu; 713-500-5475). Completed applications should be sent to nitin.tandon@uth.tmc.edu.

Summary:
Post-docs will analyze human electrocorticographic (ECoG) data collected using intracranial EEG (iEEG) - stereo EEG (sEEG) and subdural grid electrodes (SDE) during language production - and modulate these using novel electrical stimulation approaches.

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