Seven Tenure-Track Positions in Interdisciplinary Brain Sciences at Carnegie Mellon University

Carnegie Mellon University is pleased to announce seven new tenure-track faculty openings in connection with the newly-announced BrainHUB initiative <http://www.cmu.edu/research/brain/>. BrainHUB will grow our interdisciplinary community of scholars focusing on computational, cognitive and biological neuroscience. We seek broad applicant pools, and candidates are encouraged to apply for any or all of these positions.

Neuroscience and Engineering
We seek candidates for a tenure-track position at the assistant or untenured associate level at the interdisciplinary interface between neuroscience and engineering. The College of Engineering and the Center for the Neural Basis of Cognition at Carnegie Mellon University are jointly conducting this search. The likely departmental home of the appointee is Biomedical Engineering with a joint appointment in the Center for the Neural Basis of Cognition, but depending on interests, the position may be housed in one of several other relevant departments. Applicants should have an outstanding record of peer-reviewed research and scholarly publications and a doctoral degree in neuroscience/neurobiology, biomedical engineering, physics, chemistry, computer science, electrical engineering, psychology or any related discipline, and we encourage applications from physician-scientists. Applicants are expected to pursue independent, outstanding research programs, as well as participate in student training, developing innovative courses at both the undergraduate and graduate levels. The expected teaching load will be two courses each year. To apply to this position, please see: https://webapps.cs.cmu.edu/FacultyApplication/CNBC (for questions, please contact faculty-search@cnbc.cmu.edu).

Neuroscience and Computer Science
We seek candidates for a tenure-track position at the assistant or untenured associate level at the interdisciplinary interface between neuroscience and computer science, broadly defined. The School of Computer Science and the Center for the Neural Basis of Cognition at Carnegie Mellon University are jointly conducting this search. The likely departmental homes of the appointee include the Machine Learning Department, the Computer Science Department, or the Center for Computational Biology, each with a joint appointment in the Center for the Neural Basis of Cognition. Depending on interests, the position may also be housed in one of several other relevant departments within the School of Computer
Science. Applications are encouraged from individuals using advanced computational methods to study behavior and learning, to analyze behavioral and neural data, and to develop models of intelligent biological systems. Applicants should have an outstanding record of peer-reviewed research and scholarly publications and a doctoral degree in neuroscience/neurobiology, computer science, electrical engineering, cognitive science or any related discipline. Applicants are expected to pursue independent, outstanding research programs, as well as participate in student training, developing innovative courses at both the undergraduate and graduate levels. The expected teaching load will be two courses each year. To apply to this position, please see: https://webapps.cs.cmu.edu/FacultyApplication/CNBC (for questions, please contact faculty-search@cnbc.cmu.edu).

Systems Neuroscience
We seek candidates for a tenure-track position at the assistant or untenured associate level in systems neuroscience, broadly defined. The Center for the Neural Basis of Cognition at Carnegie Mellon University is conducting this search. Applications are encouraged from individuals using advanced, cutting-edge imaging or electrophysiological methods to examine the dynamic properties of neurons in vivo, especially in awake or freely-moving animals. Additional areas of emphasis are for research programs that apply high-throughput methods to evaluate genetic determinants of behavior or neural function in normal and disease states. The candidate will join a faculty with strength in computational neuroscience, large-scale data analytics, machine learning, and biomedical engineering and can leverage these tools for data acquisition and analysis. Applicants are expected to pursue independent, outstanding research programs, as well as participate in student training, developing innovative courses at both the undergraduate and graduate levels. To apply to this position, please see: https://webapps.cs.cmu.edu/FacultyApplication/CNBC (for questions, please contact faculty-search@cnbc.cmu.edu).

Cellular/Molecular Neuroscience
The Department of Biological Sciences at Carnegie Mellon University seeks applicants for a tenure-track position, preferably at the assistant professor level. Applications are encouraged from outstanding individuals whose research addresses molecular mechanisms of neural function and disease including, but not limited to, the formation and function of neural circuits, synaptic biology, the molecular basis of neurological disease, and the application of new experimental technologies (e.g., imaging or sequencing tools for real-time analysis of neural function, protein localization, or gene expression in discrete neural subsets or individual cells). The candidate will join a faculty that is highly collaborative and work in an interdisciplinary environment that integrates modern biological research at cellular and sub-cellular levels of organization. The candidate will also have the opportunity to join the Center for the Neural Basis of Cognition. For more information and to apply, please see http://www.cmu.edu/bio/employment/

Human Developmental Neuroscience
The Department of Psychology and the Center for the Neural Basis of Cognition seek to fill the Ronald J. and Mary Ann Zdrojkowski Career Development Chair in human developmental neuroscience at the assistant professor, tenure-track level. A successful candidate will be committed to high-quality teaching and should have a background that includes core areas within cognitive neuroscience, developmental neuroscience, or social neuroscience, a strong grounding in theory, cutting-edge methods, and experience fostering collaborations with other areas in psychology, development, cognitive science, and neuroscience. We are particularly interested in scientists who span multiple disciplines and employ multiple methodologies in their research. Facilities include a state-of-the-art MRI facility (http://www.sibr.cmu.edu), EEG, NIRS, and MEG systems, and several large-scale, high-performance computing clusters. Applicants
are expected to pursue independent, outstanding research programs, as well as participate in student training, developing innovative courses at both the undergraduate and graduate levels. The expected teaching load will be two courses each year. For more information and to apply, please see http://www.cnbc.cmu.edu/assistant-professor-in-developmental-neuroscience

Biomedical Engineering
The Department of Biomedical Engineering seeks the appointment of tenure-track faculty members at all levels. The College of Engineering at Carnegie Mellon is ranked consistently among the top 10 engineering schools by U.S. News & World Report. Its faculty members enjoy a strong university-wide collaborative culture, excellent research support, modest teaching loads, outstanding students, and comprehensive benefits. A successful candidate is expected to build a vigorous research program that meshes with and enhances the existing extensive research network as described at http://www.bme.cmu.edu. The Department is interested in growing the expertise in MRI engineering, image/signal processing, and neural engineering, although all areas of biomedical engineering will be considered. For more information and to apply, please see http://www.bme.cmu.edu

Social and Decision Sciences
The Department of Social and Decision Sciences seeks applicants for full-time, tenure-track, positions in the following areas: Behavioral Decision Research: We are open to candidates with interests in theory, empirical and/or applied work, including lab experiments, field research, big data, and neuroscience. Behavioral Economics: We are open to candidates with interests in theory and/or applied work, including lab experiments, field research, big data, and neuroscience. We are seeking junior-level candidates for these tenure-track positions, though we also are open to applications from mid-career and more senior candidates. Candidates must demonstrate a strong research track record and have research interests that complement our current faculty. Joint appointments are possible with other units on campus. For more information and to apply, please see https://chroniclevitae.com/jobs/0000852251-01#sthash.0Oj4LADj.dpuf and https://webapps.cs.cmu.edu/FacultyApplication/SDS/

Carnegie Mellon University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women, members of minority groups, protected veterans and individuals with disabilities, as well as from others who would bring additional dimensions to the university’s research and teaching missions.