DEPARTMENT OF BIOMEDICAL
DATA SCIENCE
GEISEL SCHOOL OF MEDICINE

Dartmouth
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MEDICINE
1797

Postdoctoral Scholar position in the Department of Biomedical Data Science and the Center for Precision Health and Artificial Intelligence (CPHAI) at Dartmouth

The research team of Dr. Indrani Bhattacharya in the Department of Biomedical Data Science and the Center for Precision Health and Artificial Intelligence (CPHAI) at Dartmouth College is seeking a motivated and creative postdoctoral scholar with strong computational background in image processing and machine learning. The individual who fills this position will have the opportunity to work with a multidisciplinary team of computer scientists, engineers, clinicians, biostatisticians, and trainees. Projects will focus on developing medical image analysis and multimodal machine learning algorithms to help clinicians in early disease detection, risk-stratification, treatment planning, and outcome prediction.

Required qualifications:

1. Candidates must have a PhD in biomedical data science, computer science, electrical engineering, biomedical engineering, or a related field.
2. Candidates must be proficient in machine learning, image processing, and computer vision, as evidenced by a track record of publications in top-tier peer-reviewed journals and international conference proceedings. Experience with medical images and medical data is a plus, but not necessary.
3. Candidates must have prior experience in software development and programming in Python.
4. Candidates must have strong written and verbal communication skills.

The Dartmouth Center for Precision Health and Artificial Intelligence (CPHAI) is an interdisciplinary research center that aims to improve patient outcomes, enable personalized treatments, and drive advancements in precision medicine and disease prevention by integrating Artificial Intelligence (AI) technology into healthcare delivery. The Geisel School of Medicine at Dartmouth was established in 1797 and is the fourth-oldest medical school in the United States. Dartmouth Geisel School of Medicine, along with Dartmouth-Hitchcock Medical Center (the largest tertiary academic medical center in northern New England) and the Norris Cotton Cancer Center (Dartmouth NCI-designated comprehensive cancer center), is internationally recognized for high-quality basic and clinical research. Dartmouth College is an Ivy League research university founded in 1769. Dartmouth is one of the leading teaching and research universities in the United States dedicated to finding solutions to the world's most challenging problems and preparing trainees for leadership roles. Located in Hanover, New Hampshire, Dartmouth sits alongside the Connecticut River and borders Vermont. As part of the beautiful New England community, Dartmouth is surrounded by mountains, waterways, and a myriad of four-season recreational opportunities and cultural offerings. Metropolitan areas like Boston, Montreal and New York are within a few hours drive.

Equal Employment Opportunity Statement: Dartmouth College is an equal opportunity/affirmative action employer with a strong commitment to diversity and inclusion. We prohibit discrimination on the basis of sex, race, color, religion, age, disability, status as a veteran, national or ethnic origin, sexual orientation, gender identity, gender expression, or any other category protected by applicable law, in the administration of its educational policies, admission policies, scholarship and loan programs, employment, or other school administered programs. Applications by members of all underrepresented groups are encouraged. If you are an applicant with a disability and need accommodations to assist in the job application or interview process, please email ADA@dartmouth.edu. In the subject line, please state "Application Accommodations" and include the job number or title. Someone from the ADA Compliance Office will be in touch within 2 business days. For additional employment opportunities at Dartmouth College, please visit the Dartmouth Interfolio Job Board, the Office of the Provost, and the Office of Human Resources. Offers of employment are contingent upon consent to a pre-employment background check with results acceptable under Dartmouth policy. Please visit the Office of Human Resources for details. All Dartmouth College employees must comply with the College's health and safety guidelines and protocols, including but not limited to those related to COVID-19, such as any testing, masking, or distancing requirements that may be in place at any given time or place.

For more information regarding the Bhattacharya lab, please visit https://sites.dartmouth.edu/bhattacharya-lab. Interested applicants should submit their curriculum vitae, a brief research statement describing their research interests and career goals, and the contact information of three potential references. These materials can be sent directly to Indrani.Bhattacharya@dartmouth.edu.