Postdoctoral Research Associate

Multi-omic Data Integration Methods for Human Microbiome Research

The Geisel School of Medicine at Dartmouth invites applications for a postdoctoral scholar to conduct research on the human gut microbiota. The main focus of this research would be the development of novel statistical methods for analyzing and integrating multi-omic data on the human gut microbiota from high-throughput sequencing, untargeted metabolomics and other platforms. The research will benefit from multiple human subjects studies including a large pregnancy cohort.

This position will be filled immediately with an initial one-year appointment and possibility of renewal. Appointments can be made through either the Department of Epidemiology or the Department of Biomedical Data Science.

**Duties and responsibilities:** The successful candidate will collaborate with an interdisciplinary team of investigators. Critical to this position is the ability to conduct independent research and work cooperatively as part of a research team. Excellent oral and written communication skills are essential.

**Position qualifications:** Candidates should have a Ph.D. or equivalent degree in statistics, data science, computer science, bioinformatics, biostatistics, or a closely related field. Training or experience in statistical modeling, analysis of multivariate and dependent data structures, algorithm design and implementation, “big data” techniques and/or network data analysis and the associated theoretical and computational methods is highly desired.

**Salary and benefits:** The successful candidate will receive a competitive salary and benefits package.

**Application information:** Interested applicants should send a letter describing scientific interests and research background, contact information for three references, and a CV to Prof. Anne G. Hoen at anne.g.hoen@dartmouth.edu.

**For more information:** To learn more, see: discovery.dartmouth.edu/hoenlab/

**Application deadline:** Open until filled

**About Dartmouth College:** Dartmouth College is in the rural Upper Valley of New Hampshire, located near the Connecticut River which separates New Hampshire and Vermont. Its location close to numerous ski areas, hiking trails including the Appalachian Trail, and the New England seashore provides easy access to outdoor recreation. Nearby major cities include Boston (2 hours), Montreal (3 hours) and New York City (5 hours).

**Equal opportunity:** Dartmouth is committed to the principle of equal opportunity for all its students, faculty, staff, and applicants for admission and employment. For that reason, Dartmouth prohibits any form of discrimination against any person on the basis of race, color, religion, sex, gender identity or expression, pregnancy, age, sexual orientation, marital or parental status, national origin, citizenship, disability, genetic information, military or veteran status, or any other legally protected status in the administration of and access to the College's programs and activities, and in conditions of admission and employment. Dartmouth adheres to all applicable state and federal equal opportunity laws and regulations.