NOVARTIS

Computational Biologist Position in Microbiome Research
Novartis Institutes for BioMedical Research (NIBR)
Developmental and Molecular Pathways Department
Cambridge, MA

Group description:

Within the Developmental and Molecular Pathways Department we are aiming to understand and clinically exploit the human microbiome in health and disease. Using clinical samples obtained from IBD and other disease cohorts, our goal is to define the mediators of microbe-host interactions that are relevant to human disease. We are leveraging broad expertise within Novartis and with key external partners to achieve this goal.

Key responsibilities & Qualifications:

We are seeking a highly talented computational biologist to work within our multidisciplinary team of scientists to analyze and interpret multi'omic microbiome data sets, and to develop and implement bioinformatics tools to be used by the team. Qualified candidates will possess a Ph.D. or Masters degree in bioinformatics, biostatistics, computational biology, microbial genomics, metagenomics or a related field. They will also have demonstrated proficiency in multiple programming and analytical languages (Python, R, Java, C++, Perl, or Matlab), and possess familiarity with machine learning methods. Experience with multiple NGS platforms for microbial genome (and metagenome) sequencing & assembly, comparative microbial genomics, transcriptomic & metabolomic analyses are desired. Candidates should also display a proven record of scientific advances leading to high quality publications; be able to work effectively with interdisciplinary teams and manage multiple projects simultaneously; and possess excellent oral and written communication skills.

About Novartis Institute of Biomedical Research

At Novartis Institutes for BioMedical Research ("NIBR"), the global research organization of Novartis, we are committed to discovering innovative medicines to cure disease and improve human health. By hiring the best academic, biotech, and pharmaceutical trained scientists, we have fostered an atmosphere for drug discovery where innovation is rewarded. It is ultimately the talent of the individual that determines our success, while our state-of-the-art technologies and resources enable these ideas to be realized.

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