

Research Associate in the Division of Science [Biology] - Dr. Youssef Idaghdour

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Company: NYU Abu Dhabi

Location: Abu Dhabi

Category: healthcare-practitioners-and-technical

Description

New York University Abu Dhabi seeks to recruit a Research Associate with expertise in bioinformatics and statistical genetics to work within the newly established Virtual Research Institute (VRI). The role of the selected applicant will focus on supporting the Institute's mission to develop a comprehensive research infrastructure - whereby diagnosis, prognosis, and treatment are tailored to each patient. The program aims to understand the basis of health outcomes and traits related to the most common non-communicable diseases in the UAE and to integrate large multi-omics and neuroimaging datasets.

The appointed applicant will conduct advance bioinformatic and statistical analysis to advance scientific knowledge in this field and will contribute to the development of solutions to handle the analysis of large amounts of genomic, neuroimaging and health-related data. Position duties include performing bioinformatic data analysis of genomic datasets (whole genome genotyping and sequencing) using various tools and working directly on the design and implementation of analysis pipelines that support research needs in coordination with NYUAD's Core Bioinformatics and HPC teams. The successful candidate will also contribute to scientific publications, write documentation for the tools, pipelines and resources available, integrate into the existing team of scientists and participate and lead training sessions of the VRI team. The candidate must have excellent organizational and communication skills with a high level of proficiency in English and the ability to work effectively in a team as well as individually.

REQUIRED QUALIFICATIONS

PhD with experience in bioinformatics, statistical genetics or computational biology;

Advanced skills with programming and experience with HPC environments;

Experience with complex traits and human genomic data analysis (WGS, Variant Calling, Annotation).

Publication record representative of required qualifications

PREFERRED QUALIFICATIONS

Experience in managing genomics databases

Experience with standard statistics packages

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