New York University Abu Dhabi (NYUAD) seeks to appoint a full-time Bioinformatics full stack developer to join the Core Bioinformatics team within the Center for Genomics and Systems Biology (CGSB).

The role of the Bioinformatics full stack developer will primarily focus on developing and implementing pipeline APIs and web resources for Bioinformatics and maintenance and further development of existing interfaces for data analysis and visualization, including NYU’s LIMS interface, configuring Core Bioinformatics infrastructure resources (servers and VMs dedicated to the Core Bioinformatics team), as well as participating in training seminars and tutorials. The overall aim is the delivery of a modern Bioinformatics Portal tailored for the needs of the NYUAD research community.

More specifically, the role will focus on:

- Front-end pipeline APIs (metagenomics, expression analysis, genome variation, epigenomics, de novo assembly, genome annotation etc.).
- Data visualization (genome browsing, visualization of pipeline analysis results and integrating different results in graphical displays).
- Integration of existing and future APIs and resources.
- Implementation of data sharing processes, with collaboration from other team members, both within the Core Bioinformatics team and with NYUAD’s HPC department.
- Implement user based authentication in accordance with existing processes.

The successful candidate should have 3+ years experience as follows:

- Fluent in REST.
- Experience with web frameworks, e.g. Django and/or Ruby on Rails or spring.
- Scripting in Python/Perl/Shell.
- Modern database development experience.
- Knowledge in high throughput sequencing analysis tools/pipelines is strongly desired.
- Experience with HPC environments and schedulers (PBS/LSF/SLURM).
- Degree in Computer science/IT/Bioinformatics/Informatics or similar.
- Experience in R is plus.
- Ajax/Javascripts/Web development.
- Experience with revision control (GitHub).
- Experience in administering and maintaining Linux servers.
- Experience in authentication procedure and security.
- Ability to work independently and as part of a team.
- Highly motivated.

This position is based in Abu Dhabi, U.A.E. Salary and Benefits are competitive.

Applications will be accepted immediately. To be considered, applicants need to submit a CV, research statement or cover letter, and two letters of reference, all in PDF format. For instructions and information on
how to apply, please visit our website at http://nyuad.nyu.edu/en/about/careers/faculty-positions.html. If you have any questions, please e-mail Nizar Drou at nizar.drou@nyu.edu.

About NYUAD:

New York University has established itself as a Global Network University, a multi-site, organically connected network encompassing key global cities and idea capitals. The network has three foundational degree-granting campuses: New York, Abu Dhabi, and Shanghai, complimented by a network of eleven research and study-away sites across five continents. Faculty and students will circulate within this global network in pursuit of common research interests and the promotion of cross-cultural and interdisciplinary solutions for problems both local and global.

Entering its sixth year, NYU Abu Dhabi has recruited a cohort of faculty who are at once distinguished in their research and teaching. Our students are drawn from around the world and surpass all traditional recruitment benchmarks, both US and global. NYU Abu Dhabi’s highly selective liberal arts enterprise is complimented by an institute for advanced research, sponsoring cutting-edge projects across the Arts, Humanities, Social Sciences, Sciences, and Engineering.

EOE/Minorities/Females/Vet/Disabled