Postdoctoral Research Associate

The Stem Cell & Regenerative Medicine Lab directed by Dr. Yu-Chieh (Jack) Wang is seeking a highly motivated and dedicated individual to join our young and energetic team. This postdoctoral position is immediately available.

In the Wang lab, our primary focus is to understand how protein glycosylation is involved in cell fate decision and the physiopathological development of human cells. Using an integrated approach including human pluripotent stem cell, organoid formation, gene editing, cancer biology, pharmacology and systems biology techniques, we are studying 1) cerebral developmental defects and 2) melanoma progression caused by the dysregulated protein glycosylation. In addition, we have strong interest in developing pharmacological tools that target specific glycosyltransferases for glycobiology research and clinical applications.

Lab website: http://www.ycwanglabunthsc.org/

Responsibilities for the successful candidate include:

* Planning, performing and documenting experiments,
* Collection, analysis and critical interpretation of research results,
* Preparation of periodic progress reports and publications,
* Coordination of the project with other team members and cooperation partners.

Highly motivated candidates with recent doctoral degrees in stem cell biology, molecular biology, genetics, glycobiology or relevant fields are encouraged to apply.

Experience and expertise in cell and molecular biology (human pluripotent stem cell culture, CRISPR/Cas9-mediated gene editing, gene cloning), glycobiology and/or neurodevelopmental biology is highly desired. Having experience in computational analysis for a large data set (e.g., RNAseq or gene expression array data) is a big plus but not required. Candidates should have a demonstrated ability to successfully spearhead research projects as evidenced by first-author, high-quality research publications. Independent thinking, excellent communication in writing and speaking, strong skills in data organization, great attention to details and an ability to excel in a team-oriented environment are essential.

This position requires a strong commitment to the projects and certain flexibility to work irregular hours (e.g., evenings and weekends), but it offers the opportunity to work on cutting-edge research in an intellectually stimulating environment using state-of-the-art facilities. Traveling to different states for performing experiments in research collaborators' labs may be needed occasionally. A competitive salary and benefit package will be provided to the successful candidate.

Interested applicants should send their cover letters and CVs with the contact information of three professional references to Dr. Yu-Chieh Wang at applytowanglab@gmail.com.

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admission processes, educational programs and activities, facilities, and employment practices. The University of North Texas System immediately investigates and takes remedial action when appropriate.

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