

Postdoctoral Research Associate; University of North Texas

Description

Job Description – The Skellam lab is seeking a Postdoctoral Research Associate in the field of biotechnology to investigate the reconstruction of fungal secondary metabolite pathways in a plant host. The project is highly interdisciplinary and will require knowledge and experience of molecular biology, cell biology, and analytical chemistry including structural elucidation of molecules using spectroscopic techniques. The successful candidate will join a team consisting of two other postdoctoral research associates, and two graduate students in a highly collaborative environment. This project provides opportunities to learn additional techniques such as confocal microscopy, transcriptomics and metabolomics.

Responsibilities – Day-to-day management of the project, manuscript and proposal writing, presenting original research internally and externally at meetings and conferences, and mentoring students at the undergraduate and graduate level.

Qualifications – The candidate should have completed their PhD in chemistry or a related field and have experience and interest in biotechnological production of natural products. Experience with small molecule isolation from plants and structural elucidation using LCMS and NMR techniques, Experience with molecular biology techniques such as gene cloning, plasmid construction, and agrobacterium-mediated transformation. Knowledge of secondary metabolism in fungi and plants.

Contact – Dr. Elizabeth Skellam, elizabeth.skellam@unt.edu

Job Confirmation # – 207172558

Post End Date – 11/06/2022

Contacts

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Hiring organization

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Date posted

October 19, 2022