

Research Scientist II
University of North Texas

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Posted Oct. 10, 2019, expired Feb. 22, 2020

Job Title Research Scientist II
Department BioDiscovery Institute
Institution University of North Texas
Denton, Texas

Date Posted Oct. 10, 2019

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Research Scientist/Associate

Academic Field(s) Chemistry - Biochemistry
Botany/Plant Sciences
Biology - Biochemistry
Biology - General

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Job Description

The laboratory of Dr. Ana Alonso in the BioDiscovery Institute at the University of North Texas is seeking for a highly motivated Research Scientist. The applicant will study the function of candidate genes involved in lipid storage and stability in pennycress seeds, a promising alternative source of aviation fuel. More specifically, the candidate will perform ¹³C-labeling in pennycress seeds, monitor the temporal labeling of central metabolism and lipids by LC-MS/MS, and build a mathematical model of the dynamic labeling. This is part of a new interdisciplinary project funded by the US Department of Energy for 3 years. This work is part of a bigger project involving three labs at two different institutions. Therefore, good social skills and the ability to work within a team work are highly desired. In the meantime, if you have questions or want further information, feel free to contact me (Anapaula.Alonso@unt.edu).

Minimum Qualifications:

Education Required: Doctorate in plant science, biochemistry, biology, or related field.

Prior Experience Required: At least five years of experience in the field of plant biochemistry and/or plant central metabolism with publications demonstrating the active contribution of the candidate to this field of study. Prior experience with at least two of the following approaches: isotopic labeling, lipidomics, sterile tissue culture, High-Performance Liquid Chromatography (HPLC), Liquid Chromatography tandem Mass Spectrometry (LC-MS/MS), and mathematical modeling is required.

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact



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