

The American Society of Pharmacognosy

<https://www.pharmacognosy.us/job/postdoctoral-researcher-university-of-wisconsin/>

Postdoctoral Researcher- University of Wisconsin

Description

The postdoctoral researcher will be working in multidisciplinary projects investigating fungal secondary metabolism. The research program aims at chemical profiling and identification of bioactive metabolites from different fungi. The postdoctoral researcher will be working in a leading group in the regulation of fungal metabolism and will perform the metabolomics investigation of different fungal species, the lab is equipped with analytical/preparative HPLC-PDA and UHPLC-HRMS (Orbitrap), and has access to the NMRS facilities in the departments of Chemistry and Biochemistry. The postdoctoral researcher will have some expertise in bioinformatics analysis and genome mining. The candidate will have basic fungal (preferred) or bacterial microbiology experience, and although desired, training in molecular techniques can be provided.

Responsibilities

In addition to those mentioned above, expected to work as a team and complete projects with publication goals.

Qualifications

- PhD in life sciences (Natural Product Chemistry, Organic Chemistry, Microbiology or equivalent Degree).
- Knowledge of fungal (preferred)/bacterial (acceptable) secondary metabolism, metabolites extraction, analytical chemistry.
- Knowledge of basic statistics and multivariate data analysis.
- Work experience of NMR spectroscopy and Mass spectrometry.
- Work experience of isolation and identification of natural products.
- Work experience with standard microbiology techniques.
- Work experience in bioinformatics analysis and genome

Hiring organization

University of Wisconsin

Employment Type

Full-time

Job Location

Madison, WI

Date posted

April 7, 2021

mining.

- Excellent communication, presentation and writing skills.
- Strong ability to work in a team.

Contacts

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<https://sites.google.com/view/kellerlabuw/keller-lab-home>