

Research Technician – Chemistry

Description

Job Description – This position's primary function is to support the research activities of the Molecular Microbiology lab under Dr. Kirstie Francis, specifically, assisting in the purification and structure elucidation of active compounds and generating new microbial extracts and fractions for bioactivity screening. This is a temporary, full-time position with a start date in fall or winter 2025, and includes an hourly wage of \$19-21/hour, commensurate with experience. This is a one year position starting from the date of hire with possibility for renewal. The position includes partially-subsidized health insurance, with family options available. Benefits include an opt-in retirement plan with employer matching, leaves for holidays, illness, and vacation, and other benefits.

Responsibilities – Primary duties:-Perform chemical extraction and SPE fractionation of microbial extracts-Analyze extracts and fractions with high performance liquid chromatography (HPLC)-Perform semi-preparative HPLC to purify active compounds-Use MS/MS data to dereplicate known compounds in GNPS-Elucidate structures of novel compounds using NMR and HRMS spectra-Analyze data and assist in generating summary figures and/or reports-Additional duties may include supervising interns and volunteers and conducting education and outreach activities as needed.

Qualifications – Minimum qualifications: Education – Bachelor's degree in Chemistry, Biochemistry, Marine Science or related field Experience – Employment, internship, or a substantial amount of volunteer hours in a research laboratory or related institution is required. Required skills/knowledge: General lab safety Experience with analytical chemistry instrumentation and data analysis Exceptional time management, troubleshooting, and organizational skills Ability to be an adaptable and collegial member of the team, self-motivated, and complete assigned tasks in a timely manner Physically able to lift 50 pounds and remain standing/walking for multiple hours a day

Contact – Kirstie Francis, kfrancis@mote.org

Post End Date – 12/31/2025

Contacts

Website – <https://mote.org/about/employment-opportunities/>

Email – kfrancis@mote.org

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Hiring organization

Mote Marine Lab – Sarasota, FL; <https://mote.org/about/employment-opportunities/>

Date posted

November 12, 2025