

Research Scientist

Job Category: Full time Temporary

Exempt Overtime Eligible: Overtime Eligible

Benefits Eligible: Benefit Based

Job Summary

This is a full-time, 7 month, 40+ hour/week position in chemical biology in the **Ondrus lab** at Caltech (<https://www.ondruslab.org/>). The successful candidate will contribute to a project focused on synthesis of complex small molecule probes. 100% effort will be dedicated to lab work involving organic synthesis and characterization.

Job Duties

Demonstrate expertise in synthetic organic chemistry mechanisms, methods, and recent literature. Perform standard and specialized reactions to prepare milligram to multigram quantities of material. Purify organic compounds using chromatography (manual and automated), crystallization, distillation, etc. Fully characterize stereochemically complex molecules using 1D and 2D NMR, HRMS, UV-Vis, etc. Design/optimize multi-step synthetic routes and devise alternative strategies to overcome challenges. Maintain lab instruments including Combiflash, vacuum pumps, lyophilizer, etc. Oversee lab safety protocols and hazardous waste management. Participate in weekly meetings and present research summaries. Contribute writing patents, scientific presentations, and publications.

Basic Qualifications

M.S. degree or higher

5+ years experience in a bioscience research lab

Ability to keep accurate, organized records and maintain an electronic notebook

Ability to clearly organize and archive samples

Ability to work collaboratively with other members of the lab

Ability to meet agreed upon deadlines, manage time effectively, and work efficiently

Ability to coordinate and participate in standard lab upkeep

Required Documents

1. CV; **2.** Cover Letter; **3.** Names of 2-3 references

Please don't hesitate to contact Prof. Ondrus with questions about the position or application process

Inquiries Alison Ondrus, PhD
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Application Caltech's Career Center

link <https://chm.tbe.taleo.net/chm03/ats/careers/v2/jobSearch?org=CALTECH&cws=37>

Job ID: 5455