Postdoctoral Fellow in Natural Product Discovery

Hiring organization
University of Florida, Gainesville;
https://butcher.chem.ufl.edu/

Date posted
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Description

Job Description – The Butcher Lab in the Department of Chemistry at the University of Florida has two postdoctoral positions available immediately in the areas of (1) natural product isolation and structure elucidation and (2) synthetic organic chemistry. Successful candidates will join a multidisciplinary research team to identify bioactive small molecules in nematodes using genome editing, comparative metabolomics, NMR spectroscopy, and total synthesis, and to study the biosynthesis and biological activity of these small molecules. The Butcher Group discovers natural products from nematodes that affect development, metabolism, and lifespan (https://butcher.chem.ufl.edu/). Relevant publications include PMID 38183989, 34389721, 40468644, 32702987, 27501395.

Responsibilities – The candidate should be eager to use chemistry expertise to solve biological problems. Candidates will discover new natural products using comparative metabolomics, purify them from nematodes, and elucidate their chemical structures, and/or chemically synthetize those natural products to verify their structures and enable further biological studies. Additional duties include mentoring graduate students, drafting manuscripts, and assisting with grant proposal development.

Qualifications – A Ph.D. in chemistry, biochemistry, chemical biology, or a closely related field is required. The candidate should have a demonstrated ability to publish results and a willingness and ability to collaborate with others.Please send cover letter, CV, and names of references to Prof. Rebecca Butcher at butcher@chem.ufl.edu.

Contact – Prof. Rebecca Butcher, butcher@chem.ufl.edu

Post End Date – 09/30/2025

Contacts

University of Florida; Gainesville, FL

Website – https://butcher.chem.ufl.edu/

Email – Prof. Rebecca Butcher, butcher@chem.ufl.edu

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