

Synthetic and Medicinal Chemist - 40766BR

Yale University offers exciting opportunities for achievement and growth in New Haven, Connecticut. Conveniently located between Boston and New York, New Haven is the creative capital of Connecticut with cultural resources that include three major museums, a critically-acclaimed repertory theater, state-of-the-art concert hall, and world-renowned schools of Architecture, Art, Drama, and Music.

General Purpose: Under the supervision of the Director of Chemistry, the Research Associate will develop and implement synthetic chemistry strategies for collaborative projects with Yale principal investigators and UCONN faculty in the Yale/UCONN PITCH program. The individual may also arrange for custom chemistry work with outside contractors. In addition, the individual may collaborate with computational chemists in the use of computational and chemo-informatics tools for the design of biologically active molecules. In addition, the Research Associate will:

- Design synthetic routes to new biologically active molecules and conduct the synthesis of target molecules for research programs with Yale investigators and the PITCH program (pitch.yale.edu).
- Contribute to the chemistry strategy for high-throughput biological screen follow-up.
- Conduct structure-activity studies, design novel derivatives and coordinate the contract synthesis of intermediates.
- Collaborate with computational chemist to develop structure-based target molecules and conduct SAR studies.
- Prepare project cost estimates and communicate progress and results with Yale investigators

Required Education and Experience: Master's Degree in a scientific discipline and three years of experience or an equivalent combination of education and experience.

Qualifications:

- Proven ability to plan efficient synthetic routes to novel compounds and to complete the synthesis of complex molecules. Proficient use of NMR, IR, LC/MS in the structural characterization of organic compounds and the use of HPLC and medium pressure chromatography for the purification of compounds.
- Proven ability to coordinate the chemistry strategies for multiple chemistry projects. Ability to manage contract chemistry resources.
- Proven ability to work collaboratively across multiple disciplines and departments with excellent oral and writing communication skills.
- High level of independence and initiative in moving projects forward and meeting project objectives.
- Significant bench synthesis time toward the preparation of target molecules.
- **Preferred Education, Experience and Skills:** PhD scientist with 5+ years' experience and a high level of synthetic organic and medicinal chemistry accomplishment. Familiarity with chemical information databases and computational chemistry tools. Experience in structure-activity relationships analysis. Drug discovery experience in drug discovery or hit-to-lead group a plus. Advanced computing skills a plus.

Application: For more information and immediate consideration, please apply online at www.yale.edu/jobs - the STARS req ID for this position is **40766BR**. Please be sure to reference this website when applying for this position.

We invite you to discover the excitement, diversity, rewards and excellence of a career at Yale University. One of the country's great workplaces, Yale University offers exciting opportunities for meaningful accomplishment and true growth. Our benefits package is among the best anywhere, with a wide variety of insurance choices, liberal paid time off, fantastic family and educational benefits, a variety of retirement benefits, extensive recreational facilities, and much more.

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