

Job Title: Cheminformatics Scientist

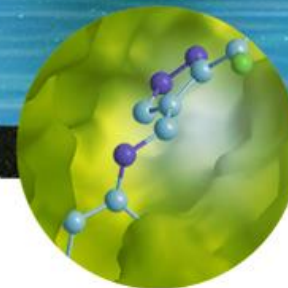
Job Type: Full-Time

The Opportunity:

The Cheminformatics position will report to the Group Leader of Scientific Computing, Scientific Software & Databases. With a DNA encoded library consisting of 100 Billion+ molecules and 10s-100s of millions of data points capturing enrichment of encoded structures per each experiment, a broad range of cheminformatic questions remain to be explored. The novel combination of the ability to generate rich information across numerous experimental conditions coupled with the unprecedented amount of data generated by next generation sequencing creates a significant opportunity to develop new approaches to further drive the drug discovery potential of this technology. This role will lead exploration in a broad range of cheminformatics areas: automation of structure categorization and exploitation of selection derived SAR; application of property predictions, in silico reactions, and diversity analyses of reactions schemes included or proposed for the X-Chem library; expansion of the use of enrichment data to influence downstream series optimization. This role will maintain and enhance X-Chem proprietary cheminformatics solutions. The role will interact with individual scientific staff and project teams to develop capabilities and data analyses that have direct impact on successful completion of partner and internal project goals.

Candidate Qualities:

Successful candidate will demonstrate the ability to draw on a broad range of multi-disciplinary information in order to develop and apply innovative approaches to cheminformatic analysis on large scale data. Candidate will be able to demonstrate creative problem-solving abilities and adaptability to new technologies as well as the ability to work independently and drive a project from proof of concept through deployment and production. Candidate must show effective direct communication with scientific staff at all levels. Candidate must be able to work in a fast paced environment while maintaining the high level of accuracy in computational results required.



Required Skills and Qualifications:

- Core cheminformatic expertise e.g. similarity, diversity, SAR analysis; definition of in silico reactions; use of software e.g. ChemAxon, CambridgeSoft; SMARTS, SMILES, structure searching; property prediction
- Programming skills in a relevant coding language (C#, java, Python) with experience developing for non-trivial applications in a scientific industry or academic laboratory setting.
- Data Analytics capabilities, e.g. large scale data analysis, data-mining, Oracle, SQL and PL/SQL, predictive model building, machine-learning, clustering, statistical analysis, Vortex/Spotfire, Excel.
- Molecular modelling, docking, pharmacophore analysis, computational chemistry a plus

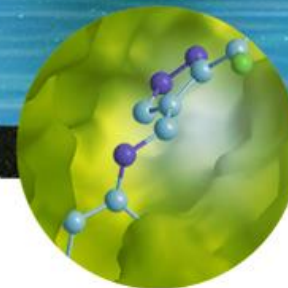
About X-Chem

X-Chem, Inc. is a privately held biotechnology company based in Waltham, Massachusetts, established in 2009 to apply its innovative drug discovery capabilities to the generation of novel small molecule therapeutics.

Our chemical strategy can be applied broadly to most targets in any therapeutic area, including the most challenging ones. We have built a strong team of leading experts with proven track records in innovative drug discovery and biotechnology partnering.

Why join X-Chem?

X-Chem offers highly competitive compensation based on prior experience and qualifications as well as comprehensive benefits in order to best support our people. Benefits we offer includes: 100% Paid Medical, Dental, STD/LTD and Life Insurance; 12 Paid Holidays; 22 days PTO; Tuition Reimbursement; Stock Options; Flexible Spending account for both medical and dependent care; weekly social hour; Summer Hours and company events. Our work environment includes casual dress, bike storage, free parking, and wellness perks.



EEO Statement

X-Chem is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions, or any other characteristic protected by law.

Job Code – MGP41 (Use Job Code in subject line of all communications)

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Contact Name Adam Miller (Senior Talent Acquisition Specialist)

Email careers@x-chemrx.com

Position Location Waltham, MA

Position – Cheminformatics Scientist

Minimum Preferred Education - PhD or commensurate experience

Years of Experience - 5+

Career Level - non-manager

Availability - Immediate