

Currently Seeking: Scientist, Chemistry (Jupiter, FL)

Company Overview

Founded in November 2016, Expansion Therapeutics, Inc. is a private company focused on the discovery and development of ribonucleic acid (RNA) targeted small molecule medicines. Ribonucleic acid (RNA) is a polymeric molecule essential in various biological roles in coding, decoding, regulation, and expression of genes. Expansion is focused on expansion repeat disorders, which are responsible for over 30 neurological and neuromuscular diseases, and for which there are currently no satisfactory therapies. Our initial disease focus, myotonic dystrophy type 1 (DM1), is the most frequent cause of adult onset muscular dystrophy.

Expansion Therapeutics' proprietary technology is based on pioneering work from the lab of Dr. Matthew D. Disney of The Scripps Research Institute Florida. In January 2018, we closed \$55.3 million in Series A financing, co-led by 5AM Ventures, Kleiner Perkins, Novartis Venture Fund, and Sanofi Ventures with participation from RA Capital Management and Alexandria Venture Investments. The financing will allow Expansion to advance our portfolio of novel RNA-targeted small molecule medicines to treat rare diseases.

With facilities in San Diego, California and Jupiter, Florida, Expansion Therapeutics currently employs 16 individuals in the U.S. It also has a seven-member board of directors, and six-member scientific advisory board comprised of leaders in the field of RNA-targeted small molecule chemistry and biology, RNA folding and structural biology. Additional information about the company is available at www.expansionrx.com.

Position Summary

Perform research in the laboratory as a synthetic and medicinal chemist applying the latest knowledge and techniques in the field. Advance the assigned program and contribute to the identification of a lead or development candidate.

Essential Functions

- Design and execute syntheses of complex organic molecules on a milligram to multi-gram scale
- Use advanced laboratory techniques to purify mixtures of compounds
- Use state of the art techniques to characterize intermediates and final compounds
- Rationally design a series of target molecules for a pharmacological target of interest
- Use medicinal chemistry tools and techniques to plan and design synthetic targets
- Communicate results to co-workers and management in both oral and written manner and assist in the preparation of patent applications

Qualifications

- Ph.D. in synthetic organic chemistry strongly preferred; a combination of relevant education and applicable job experience may be considered
- 1-2 years of post-graduate experience working in the biotechnology or pharmaceutical industry or a related position as a laboratory scientist
- Highly proficient in advanced synthetic, purification and spectroscopic techniques utilized in the preparation and characterization of complex organic molecules
- Demonstrated ability to design synthetic targets and successfully execute their syntheses
- Several first author or co-author publications in peer-reviewed journals demonstrating research accomplishments is preferred
- Familiarity with Structure-Based Drug Design
- Firm understanding of modern Medicinal Chemistry concepts and the ability to use them in the design of target molecules or to improve the properties of existing compounds
- Ability to work effectively in teams and collaborate with other scientists including microbiologists, structural biologists, pharmacologists and toxicologists
- Self-starter with a strong work ethic and ability to work independently and show flexibility when needed
- Effective oral and written English communication skills
- Familiarity with standard laboratory instrumentation, computers, and office and laboratory software

How to Apply

Interested candidates should submit their cover letter and CV to careers@expansionrx.com