Scientist/Senior Scientist of Nucleoside/ Nucleotide/Oligonucleotide Purification and Analysis

Summary of Position

GeneLeap Bio, a subsidiary of Luye Pharma. Luye Pharma is a leading life science group with R&D sites located in Greater Boston, MA; Princeton, NJ; Nanjing, China; and Yantai, China, that invents, discovers, develops, manufactures, and commercializes treatments for serious medical conditions for Oncology, CNS, metabolism, and other areas of highly unmet medical need.

We are seeking a highly motivated individual to join our team as a Scientist/Sr Scientist to advance our Oligonucleotide/Nucleotide/Nucleoside Chemistry (mRNA, antisense and siRNA) and contribute towards innovative therapies for patients with serious genetic, metabolic, cardiovascular and infectious diseases.

Role and responsibilities

The Scientist/Senior Scientist will

- Purify and analyze modified nucleosides/nucleotides and oligonucleotides.
- Assist in the synthesis of modified nucleosides/nucleotides/oligonucleotides.
- Purifies the molecules synthesized by the group using various methodologies including ion-exchange and RP HPLC methods,
- Characterizes, and analyzes the purified nucleosides/nucleotides and oligonucleotides using appropriate analytical methods.
- Coordinates outsourcing work with CMOs and CROs.
- Works with investigators and director of the team.
- Collaboratively works with biology, formulation, and bioinformatics scientists.
- Contributes to high impact research publications/patent applications and regulatory filings.

Qualifications and experience

- A PhD or an MS in Organic/Synthetic Chemistry/Biochemistry or a relevant subject area from a reputed University is required.
- Candidates with appropriate synthesis, purification and analytical experience with less than a year experience for a PhD and 3-6 years experience for an MS candidate are considered.
- Basic knowledge and understanding of synthesis of modified nucleosides, nucleotides, DNA and RNA oligonucleotides is necessary.
- Thorough hands-on experience in HPLC purification methods of nucleosides, nucleotides, DNA and RNA oligonucleotides is required.
- Experience with modern analytical and characterization methodologies, including but not limited to nmr, and mass spectrometry is essential.
- Experience directly dealing with CMOs and CROs is advantageous.
- Any experience working on RNA modifications for mRNA therapeutics is an added advantage.
- Experience working as a team member on projects and willing to collaborate with internal project teams developing various nucleic acid therapeutics is necessary.
- Effective presentation skills of methodologies and results internally to colleagues, including bench scientists, project team leaders, research management, and at scientific conferences are required.

- The candidate should have ability to independently translate strategy into action in a timely manner.
- Demonstrated experience successfully prioritizing and managing projects and timelines is required.
- Strong problem-solving and troubleshooting skills and instrumentation skills are required.
- Strong verbal and written communication skills and team work ethics are required.