General Summary

SmartPharm Therapeutics Inc. is seeking a Research Associate to play an important role in the development of new product candidates for the Company. Working under the supervision of senior scientists and as part of cross-disciplinary teams, the Research Associate ensures timely development of gene-engineered product candidates to pre-clinical and clinical development by conducting important literature reviews and bench studies to replicate, optimize and validate characterization assays for product candidates, as well as exploratory research on new techniques to improve transfection efficiencies for novel DNA and RNA product candidates and to measure function of these new candidates. Assay development may be conducted under processes that correspond to good laboratory practices.

Principal Duties and Responsibilities

- Responsible for assisting multiple aspects of developing biomarker assays including transcribing protocols and SOPs from collaborators, optimization of design, drafting of SOPs and conducting validation studies.
- Independently conduct literature reviews and develop summaries on specific research areas of interest to Company.
- Participate in development of scientific experiments with other scientists.
- Independently perform routine procedures for sample preparation and analysis.
- Perform non-routine procedures for sample preparation and analysis with minimal supervision.
- Understand and use analytical instrumentation for routine work.
- Troubleshoot analytical instrumentation with the guidance of senior scientists.
- Identify and report difficulties with various aspects of assay replication, optimization and validation.
- Ensure that raw data records are accurate, complete, and in appropriate order.

Skills, Abilities, Competencies

- Bachelors' or Masters' degree in life sciences-related field
- At least two years' experience in bench research projects in a life sciences-related field.
- Attention to detail including ability to conduct research under conditions that replicate good laboratory practice standards.
- Meticulous documentation in laboratory notebooks.
- Strong oral and written communication skills in English.
- Possess excellent sterile technique with tissue culture and propagation of stable cell lines.

- Transfection of cultured cells with DNA plasmids or RNA constructs.
- Mastery of standard molecular and biochemical techniques, e.g. ELISA, Western blot, qPCR, and BCA.
- Solid grasp of standard bioinformatic analysis, e.g. BLAST, Ensembl, UCSC Genome browser, etc.
- Flow cytometry, High content imaging, cloning experience consider a plus.
- Highly functional in cross-disciplinary team environment, including team members from outside the company.
- Able to function independently in the conduct of routine bench studies.
- Computer skills and familiarity with Microsoft Office and general lab-related software.

SmartPharm offers a Core benefits program which includes: medical, dental, short and long term disability, life insurance and a 401k.

*U.S. citizens and those authorized to work in the U.S. (green card) are encouraged to apply. We are unable to sponsor at this time.

*Candidate must be able to pass a background investigation.

*Only local residents to the Boston area will be considered.

*Unable to work with 3rd party candidates or agencies.

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily within the context of the representative work environment and physical demands described above. Likewise, qualifications listed are representative of the knowledge, skills, and abilities required to perform the position's essential functions. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

SmartPharm Therapeutics is an Equal Opportunity Employer (EOE).