Senior Scientist, In Vivo Pharmacology

The ideal candidate must have a Ph.D. in cancer biology and be an expert cancer pharmacologist with at least 5 years of direct experience with in vivo models of oncology in an industry setting. ESSA pharma is a virtual company, and this position is "hands-off" with no bench work and all work outsourced at CROs.The successful candidate will join a dynamic, multi-disciplinary team of scientists in oncology drug development, playing a key role in the development of in vivo models of cancer and the use of those models to evaluate new drug candidates. Ideal applicants will possess excellent communication and organizational skills, critical problem-solving abilities, and a commitment to excellence. Experience working on teams that have transitioned multiple oncology molecules into Phase I testing is highly desirable. An in-depth knowledge of the scientific area of androgen receptor and steroid receptors is not required but would be an advantage.

Major activities will include

- Use existing and newly acquired technical and scientific in vivo pharmacology expertise to advance a variety of small molecule drug discovery programs from target identification/validation to IND enabling activities and ultimately to clinical Proof of Concept in patients.
- Ability to work in a team environment, as the incumbent will participate in multidisciplinary project teams.
- Design, develop, characterize, implement, and validate in CROs relevant in vivo oncology-related models including subcutaneous xenografts for identifying and profiling the pharmacologic effects of drug candidates.
  Document, analyze and interpret PKPD and efficacy experiments for the evaluation of pre-clinical/clinical candidates.
- Design, conduct and manage the execution of specific bioanalytical and ADME/PK (in vitro and in vivo) studies for multiple research and development programs.
  Interact cross-functionally and across the enterprise, as well as manage multiple projects to ensure project timelines are met.

The successful candidate will manage studies performed at CROs, evaluate the resulting data, develop technical documentation, and assist with the preparation and/or review of information supporting regulatory submissions.

Requirements

- PhD with expertise in cancer molecular pathways
- Hands on experience with small rodents and administering drugs through various routes
- Hands on experience with molecular and cellular biological techniques used to analyze biomarker (DNA, RNA, proteins) from plasma and tissues (qPCR, RNAseq, IHC, ELISA, mass spec, DNAseq)
- Ability to effectively design, execute, and troubleshoot experimental protocols to develop new methodologies
- Proficient in data analysis software including Prism, Spotfire or other

- Possess the ability to communicate results at internal and external meetings and has the capacity to manage outsourced research.