Aviceda Therapeutics: Scientist/Sr. Scientist: *Bioanalytical Development (Hybrid)*

Aviceda Therapeutics is a biotech company focused on the next generation of glyco-immune therapeutics (GCT's) leveraging the Glyco-Code® technology platform to address inflammatory diseases of the innate immune system.

At Aviceda, we exploit a unique family of receptors found expressed on all innate immune cells and their associated glycobiological interactions to develop transformative medicines. Combining the power of our biology with our innovative cell-based high-throughput screening (HTS) platform and proprietary nanoparticle technology, Aviceda was able to modulate the innate immune response specifically and profoundly.

Aviceda has assembled a world-class, cross-disciplinary team of recognized scientists, clinicians, and drug developers to tackle devastating ocular & systemic degenerative, fibrotic, neurological, and immuno-inflammatory diseases.

Aviceda's offices/lab are based in Greater Boston, Massachusetts.

Aviceda Therapeutics is an equal opportunity employer offering competitive cash and stock compensation, excellent employee benefits and the opportunity for personal and professional growth in an outstanding and intellectually challenging environment.

Job Description:

The Bioanalytical scientist will play a key role in developing processes and methodology to detect and quantify Aviceda's nanoparticle-based glyco-therapeutics in complex matrices. The successful candidate will also play a key role in developing an understanding of the PK and ADME properties of our glyco-therapeutics.

The successful candidate will develop fit-for-purpose bioanalytical methods on various platforms to help Aviceda to answer key questions related to mechanism of action, biotransformation, PK/PD, biodistribution, and matrix stability of our nanoparticle-based glyco-therapeutics.

As part of the Research team, the candidate will design PK bioanalytical formats and interpret study results to help assess invivo PK/PD for glyco-therapeutic drug candidates.

Responsibilities:(including, but not limited to):

- Scientist will interact with chemistry, conjugation, biology, Pharmacokinetics and Toxicokinetic group and ensure good experimental design and interpretation to generated critical data to inform decision making and collaborate across different subject areas to advance Nanoparticle drug conjugate and other therapeutics programs.
- Develop overall strategy for non-clinical DMPK processes in support of both discovery and development.

- Development, validation, and implementation of LC-MS/MS assays for the analysis of tissue, plasma and other biological samples to support pharmacokinetic, toxicokinetic, clinical efficacy and/or human food safety studies in a GLP environment.
- Be an active participant in project teams as well as collaborating with discovery, CMC, and clinical development partners to identify and solve issues related to drug safety.
- Assist in preparation of regulatory documents including INDs, NDAs, and BLA submission documents and being responsible for responding to Health Authority queries related to bioanalysis.
- Communicates the DMPK development strategy within the company while seeking guidance and input from internal stakeholders.
- Ability to effectively manage and coordinate research and scientific strategy across multiple scientific programs.
- Flexibility to accommodate to rapidly changing priorities and deadlines and ability work in a dynamic, fast-paced industry and work environment
- Expected to explore innovative bioanalytical technologies and emerging platform to meet the needs of an evolving portfolio that may include novel molecular modalities and new therapeutic area

Requirements:

- Knowledge of basic PK principles and ability to perform PK calculations with WinNonLin is required.
- Experience in Pharmacokinetic analysis and modeling is a strong plus.
- Proven expertise and experience in liquid chromatography and mass spectrometry is required, with proven track record of successfully developing LC-MS or LC-MS/MS method
- Hands on experience in sample preparation technique (LLE, SPE, Immunocapture, digestion, homogenization etc.) and automation platform.
- Experience with bioanalysis of carbohydrates and glycans would be a plus.
- Hands on experience with in-vivo rodent PK studies analysis would be a plus.
- Works in close collaboration within the research team to ensure successful completion of projects.

Education:

- Ph.D. in Immunology/Cell biology/ Biochemistry or related field with minimum of 4+ years of relevant industry experience in bioanalytical group is a must.

Job Location: Boston, MA (Hybrid). J**ob Type:** Full-time.

Work authorization: work authorization in US is required.

If you are interested in learning more about this position, please send your CV or Resume to careers@avicedarx.com