Aviceda Therapeutics: Scientist-II Glycobiologist /Glycochemist

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 Kendall Square, Cambridge, 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:

Glycobiology/chemistry Scientist will be a part of research team with primary responsibility to develop novel strategy for advancing our glycoimmunology technology platform and establish glycobiology cell-based assays. They will support multiple indications and drug discovery projects, making major contributions to drug development platform.

Responsibilities (including, but not limited to):

- Ability to independently lead glycobiology projects with minimum supervision.
- Hands on lab experience in designing glycan arrays and multi step chemical and enzymatic synthesis of complex carbohydrates and cell-based high-throughput screening (HTS) platform
- Independently perform tasks required for successful daily operation of the lab, such as routine lab equipment maintenance and oversight and preparation of lab reagents as required for the study.
- Participation in assay development and validations will be encouraged.
- Expected to be accountable for effectiveness and timeliness of completion of milestones and project goals.
- Experience in conjugating carbohydrate ligands to different moieties, preferably nanoparticles.
- Significant hands on experience in developing glycochemistry platform in house.
- Ability to synthesis ligands using click chemistry using HTS glycan array platform.

Qualifications:

- Ph.D. in Glycobiology/Chemistry/ Biochemistry or related field.
- 3+ years experience working in the area of glycobiology/glycochemistry.
• Candidates must display an ability to independently design and execute research.
• Experience in Development of Glyco-based vaccines against infectious /inflammatory diseases or any disease indication is highly preferable.
• Experience in antibody-drug conjugates.
• Ability to understand the efficacy of different biologic therapeutics and how these are affected by the glycosylation in tumor cells/other immune cells.
• Synthesis different ligand for drug-compound library, Familiarity in chemo-enzymatic methods for preparation of glycan arrays
• Ability to synthesis and characterize glycan related molecules
• Attention to detail and ability to handle multiple projects

Education: Ph.D. in Glycobiology/Chemistry/ Biochemistry or related field with minimum 3 + year of experience in working on glycobiology /carbohydrate research.

Work authorization: work authorization is required in US.

Job Location: Cambridge, MA.

Job Type: Full-time.

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