**About Aro BioTx**

Join the team at Aro Biotherapeutics creating breakthrough biotherapeutics based on Centyrin oligonucleotide conjugates. Centyrins are small protein domains based on the fibronectin domains of human Tenascin C that combine the affinity and specificity properties of antibodies with the stability and tissue penetration properties of small molecules. We have engineered Centyrins with an array of specificities for normal and immune cell receptors. By linking Centyrin domains together genetically, we have created multi-specific binders that retain a small footprint to enable excellent tissue penetration. Engineered for high stability, multi-specific Centyrins are readily expressed and purified from E. coli or mammalian cells.

We are developing a platform for delivery of an array of intracellularly active payloads with a focus on oligonucleotides. Our team has built a strong set of in vitro and in vivo data validating the utility of Centyrins for receptor specific uptake in a variety of cell types. Centyrin conjugate mediated delivery provides the foundation for access to a set of intracellular targets that have long been considered undruggable.

Aro is building a wholly owned portfolio of Centyrin oligonucleotide conjugates for genetic and autoimmune diseases and developing a partnered portfolio of Centyrin conjugates for payload delivery in a variety of disease areas. Led by an experienced and exceptional team, Aro is backed by an exceptional syndicate that supports our commitment to advancing drug candidates with the potential to improve patient’s lives and to building an ideal environment for scientific and leadership growth.

**Position Description – Investigator, In Vivo Biology**

Aro is building a growing Biology team to identify and characterize novel Centyrin-based therapeutics. In this role, you will become a foundational member of the team. The ideal candidate will have a good understanding of how to establish and optimize rodent models of human diseases and how to assess the activity of drug candidates in vivo. The position will require hands-on laboratory work, as well as, managing out-sourced studies with CROs. Close collaboration with other members of the Aro team across protein engineering, chemistry and biology is essential. In this role, you will have the opportunity to contribute directly to efforts that support the company’s portfolio of preclinical therapeutic candidates.

**Responsibilities**

* Oversee the design, characterization, and optimization of rodent disease models
* Oversee the design and execution of in vivo pharmacology studies to assess drug candidates
* Manage out-sourced in vivo studies with CROs and collaborators
* Analyze and interpret in vivo PK, pharmacodynamic and efficacy data
* Critical review of scientific literature on pathophysiology of genetically defined and autoimmune diseases and relevant rodent models
* Function as a key member of an interdisciplinary target/drug discovery team
* Regularly present work to internal project teams and R&D Leadership
* Comply with laboratory safety procedures and maintain compliant laboratory records of experiments

**Qualifications**

* PhD in biological sciences, with 0-4 years of post-graduate research experience
* Hands-on experience in rodent disease model development including the assessment of pharmacodynamic effects of drug candidates in vivo
* Good understanding of mouse and human pathophysiology
* Additional skills in molecular and cell biology techniques are preferred; Strong desire to learn new skills
* Proficiency in the independent design and analysis of experiments. Significant understanding of data analysis, reproducibility and reliability of experimental data
* Demonstrated ability to work effectively in a collaborative team
* Strong communication skills, both written and oral with an ability to organize and communicate complex data sets in a clear and concise manner
* Experience authoring peer-reviewed scientific publications and presenting at scientific conferences
* Proven track record of being personable, energetic, responsive, action-oriented, and accountable

**Position Description – Investigator, Genetics & Bioinformatics**

Aro is building a growing research team to develop novel Centyrin-based therapeutics. In this role, you will become a foundational member of the team. The ideal candidate will have a good understanding of human genetics and how to access and analyze genetic and other large-scale datasets. The position will require first-hand experience in bioinformatic tools for complex data analyses (e.g. PLINK) and statistical computing or programming languages (e.g. R, Python). You will have the opportunity to contribute directly to the company’s target and drug discovery efforts.

**Responsibilities**

* Evaluate drug targets and disease areas through human genetics and bioinformatic analyses
* Source and analyze public large-scale datasets that are relevant to target/drug discovery
* May generate and analyze internal datasets, e.g. RNAseq and metabolomics etc.
* May lead academic collaborations on datasets and bioinformatic tools if necessary
* Critical review of scientific literature on genomics, transcriptomics and other -omics platforms
* Function as a key member of an interdisciplinary target/drug discovery team
* Regularly present work to internal project teams and R&D Leadership

**Qualifications**

* PhD in human genetics or bioinformatics, with 0-4 years of post-graduate research experience
* Demonstrated skills in analyzing and interpreting genetic, genomic and transcriptomic datasets
* First-hand experience in bioinformatic tools for complex data analyses (e.g. PLINK) and statistical computing or programming languages (e.g. R, Python)
* Additional experience in RNAseq, scRNAseq and metabolomics is preferred
* Good understanding of modern molecular and cell biology techniques is preferred
* Demonstrated ability to work effectively in a collaborative team
* Strong communication skills, both written and oral with an ability to organize and communicate complex data sets in a clear and concise manner
* Experience authoring peer-reviewed scientific publications and presenting at scientific conferences
* Proven track record of being personable, energetic, responsive, action-oriented, and accountable
* Although preferred, the role does not require relocation to Philadelphia