



Research Scientist - Myocyte and Stem Cell Biology

Regel Therapeutics is a gene modulation therapy company focused on improving the life of patients suffering from disorders resulting from alteration of gene expression. Our proven T3 (Targeted Therapeutic Technology) platform combines AAV delivery with two proprietary technologies for efficient and specific restoration of gene expression exclusively in the cells affected by the pathology. We are a seed-stage startup based in Cambridge, MA and Berkeley, CA and we are looking for a talented Research Scientist to join our R&D team to help develop our preclinical programs.

Location

Cambridge, MA

Role Responsibilities

- Perform proof-of-concept experiments to support preclinical development efforts
- Develop protocols for patient-derived pluripotent stem cell maintenance and differentiation
- Evaluate efficacy and efficiency of differentiation protocols
- Implement in vitro screening and validation methodology
- Clear communication of experimental planning, timeline, and obstacles to project lead
- Analyze experimental results and communicate research findings to leadership
- Maintain accurate and detailed documentation of activities

Required Qualifications

- PhD in cell biology, developmental biology, molecular biology, or related field
- Background in skeletal muscle/cardiovascular biology
- Significant experience with human pluripotent stem cell culture, maintenance, and differentiation
- Expertise in mammalian cell culture techniques including FACS, IF, and ELISA/MSD
- Strong molecular biology skills including DNA/RNA extraction, qPCR, and molecular cloning
- Competence in experimental design and troubleshooting
- Excellent written and oral communication skills & proven track record of working in collaborative environments

Preferred Qualifications

- Expertise in cell electrophysiology or multi-electrode array systems
- Experience producing libraries for bulk or single cell RNA sequencing
- Basic computational biology skills to interpret differential expression analysis
- Previous experience working with AAVs and lentiviruses

Contact

Interested candidates please contact info@regeltherapeutics.com