

Research Associate/Senior Research Associate

Job Summary:

We are seeking for skilled and ambitious individuals interested and/or experienced in research into cell therapy for Type I Diabetes, stem cell/islet biology and immunology. We are an platform company backed by 5AM Ventures and founded on recent breakthrough science from leading academic labs. The initial program is focused on a best-in-class cell therapy for Type I diabetes. Experience in general lab techniques and mammalian cell tissue culture is required for this position and experience in Islet biology, transplant immunology, stem cell differentiation is desirable. The successful candidate will join our collaborative and multidisciplinary team of highly motivated scientists that strive to create a nurturing, inclusive environment. We strongly encourage and support personal growth and education. The position is located in Boston, MA.

Responsibilities:

- Order, prepare and organize reagents and supplies.
- Maintain cells in tissue culture and perform in-vitro cell experiments.
- Perform molecular biology (RNA extraction, qPCR) and cellular assays (Histology, Flow cytometry)
- Perform quantitative assays (i.e. ELISA)
- Functional metabolic and immunology assays (GSIS, MLR, Cytotoxicity, etc)
- Record keeping by analog or electronic Lab notebook
- Comply with standard laboratory practices and company policies

Required Skills & Qualifications:

- Bachelor's degree in Biology or another Life Science. A Master's degree in Life Sciences highly desired
- Must have 2+ years experience within a life sciences wet-lab.
- Must have prior experience handling mammalian cell cultures and basic lab techniques
- Knowledge of basic cell and molecular biology techniques and biochemistry experiments required. Knowledge of qPCR, DNA and RNA extractions, is highly desired.
- Experience in reagent preparation and aliquoting.
- Ability to learn quickly and to work independently and collaboratively with limited day-to-day direction.
- Team player with good communication skills, problem solving skills. Self- motivated.
- Authorized to legally work in US.

Desirable Skills and Experience:

- Transplant immunology and related techniques: i.e. MLR, ELISPOT, Flow cytometry
- Islet biology interest and experience: Islet isolation, culture and transplantation, pancreatic beta cell differentiation, functional in-vitro assays (i.e. GSIS)
- Stem cell culture and differentiation (into pancreatic beta cells)
- Technical skills: ELISA, Flow cytometry, CyTOF, qPCR, Histology, RNA isolation, qPCR, fluorescent and confocal microscopy
- Lab management, including ordering, record keeping.
- Proficiency in Software usage, such as i.e. MS Excel, FlowJo or FCS Express, R/Studio, Graph Pad Prism for data analysis and presentation.