



Sr. Scientist/Scientist-Islet Cell Therapy and Stem Cell Biology

At Lilly, we unite caring with discovery to make life better for people around the world. We are a global healthcare leader headquartered in Indianapolis, Indiana. Our 35,000 employees around the world work to discover and bring life-changing medicines to those who need them, improve the understanding and management of disease, and give back to our communities through philanthropy and volunteerism. We give our best effort to our work, and we put people first. We're looking for people who are determined to make life better for people around the world.

At Lilly, we have a long history of addressing the needs of individuals living with Diabetes by providing breakthrough therapies that result in significant improvements in the lives of patients. One hundred years ago, we were the first company to make insulin commercially available, and since then, we have worked relentlessly to improve the lives of patients with Type 1 and Type 2 diabetes. In Type 2 diabetes, we have expanded our focus to obesity with the goal of moving earlier in the disease cascade to disrupt disease progression. In addition, we focus on key complications of diabetes and obesity, specifically atherosclerotic cardiovascular disease, heart failure, chronic kidney disease and NASH, where we aim for breakthrough outcomes. In Type 1 diabetes, our immediate goal is to simplify insulin therapy, but we envision a future where individuals with both type 1 and type 2 diabetes will be independent of insulin. Islet cell therapy, beta-cell regenerative therapy and immunotherapy are key components of this strategy. Our commitment to innovation in diabetes is strong: We have one of the largest pipelines in diabetes, obesity and complications in the industry and strive to continue to build our leadership through innovation with the goal of break-through medicines for patients.

The Islet Cell Therapy and Stem Cell Biology group is looking for an in vitro biologist with training in human iPSC culture. This position will play a key role in establishing a new lab focused on developing the next generation of islet cell therapies and application of iPSC-derived platforms to novel target discovery and validation. Qualified individuals will have experience with human iPSC culture, gene editing, molecular biology and assay development, as well as broad experience in pancreas and islet biology.

Are you self-motivated, detailed, and willing to work both independently and within a highly collaborative team environment? You will be working with ground breaking stem cell technology and highly innovative science. You will be responsible for supporting discovery efforts and working with scientists and engineers across functions within Lilly to achieve project goals.

We are growing our capabilities in genetic medicine to impact the lives of our patients. This role will be instrumental in building the team and implementing innovative science in the genetic medicine strategy for diabetes therapies. Consider applying today and join the Lilly Family!

Responsibilities:

- Contribute to setting up critical capabilities in an innovative lab focused on iPSC platforms and develop new approaches to study pancreatic islet disease biology
- Culture and differentiate human pluripotent stem cells specifically toward the pancreatic islet cell lineage. Optimize and improve differentiation protocols.
- Characterize differentiated cell products using flow cytometry, gene expression profiling, IHC, ICC and ELISA
- Generate genetically modified iPSC lines using molecular biology, cloning, viral transduction and gene editing techniques.
- Implement high throughput CRISPR and compound screens.
- Perform functional assessments of iPSC derived islets in vitro and in vivo after transplant in animal models
- Explore technologies to improve throughput and work with engineers to automate processes
- Collaborate in process development and cell product scale-up with CMC colleagues
- Lab organization and maintenance; support drafting of standard operating methods
- Be able to critically evaluate data and troubleshoot
- Require accurate record keeping, independent data analysis, and reporting of data in written and oral formats.

Basic Requirements:

Bachelor's degree in biological or biochemical sciences (or a related field) with 2+ years of laboratory research experience or Master's degree with research experience.

Additional Skills/Preferences:

- Demonstrated experience with human iPSC culture and other mammalian cell culture techniques
- Experience working with iPSCs in Industry/Biotech
- Experience with imaging techniques and flow cytometry
- Experience with CRISPR-Cas9 based gene editing
- Experience in development and validation of high throughput and high content screening assays is a plus
- Experience with qPCR, ddPCR, immunohistochemistry, nucleic acid preparations, ELISAs, and lab automation
- Experience in viral transduction of mammalian cells
- In vivo experience: rodent handling, dosing, tissue collection and testing, surgeries (e.g. iPSC-derived cell grafting)
- Strong organization skills and lab management
- Knowledge and background in diabetes, islet and developmental biology
- Proficient at working in cross-functional teams and projects
- Strong communication skills and experience presenting data in a team environment

Additional information

- Position is located in Indianapolis, IN with option to relocate to Boston, MA in the future
 - This is a full-time position requiring weekend rotational assignment
- Eli Lilly and Company, Lilly USA, LLC and our wholly owned subsidiaries (collectively "Lilly") are committed to help individuals with disabilities to participate in the workforce and ensure equal opportunity to compete for jobs. If you require an accommodation to submit a resume for positions at Lilly, please email Lilly Human Resources (Lilly_Recruiting_Compliance@lists.lilly.com) for further assistance. Please note This email address is intended for use only to request an accommodation as part of the

application process. Any other correspondence will not receive a response.

Lilly is an EEO/Affirmative Action Employer and does not discriminate on the basis of age, race, color, religion, gender, sexual orientation, gender identity, gender expression, national origin, protected veteran status, disability or any other legally protected status. Our employee resource groups (ERGs) offer strong support networks for their members and help our company develop talented individuals for future leadership roles. Our current groups include: Africa, Middle East, Central Asia Network, African American Network, Chinese Culture Network, Early Career Professionals, Japanese International Leadership Network (JILN), Lilly India Network, Organization of Latinos at Lilly, PRIDE (LGBTQ + Allies), Veterans Leadership Network, Women's Network, Working and Living with Disabilities. Learn more about all of our groups.

As a condition of employment with Eli Lilly and Company and its subsidiaries in the United States and Puerto Rico, you must be fully COVID-19 vaccinated and provide proof of vaccination satisfactory to the company (subject to applicable law).
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