

Post-Doc position

Titre du projet : ISLET : Advancing Innovative Stem Cell Based Therapy in Europe

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PROJET/RESEARCH PROJECT

Type 1 diabetes (T1D) is one of the main health challenges, with 6 million European citizens affected. To bring advanced therapy in type T1D to patients, a scalable source of pancreatic islets for transplantation is needed. The objective of the ISLET project that is supported by EU (H2020 program) is to build and implement a new and innovative program for the production and marketing of human pluripotent stem cell (hPSC)-derived advanced therapy medicinal products for treatment of EU citizens with T1D. ISLET will develop islet-like clusters composed of isolated hPSC-derived alpha and beta-like cells, and advance strategies for safe, up-scaled production and a quantitative go/no-go assessment of therapeutic quality. Specifically, to overcome the lack of robust qualitative and quantitative assays to assess islet function, ISLET will introduce a novel quality control concept for predicting the therapeutic efficacy by quantitative proteomics and lipidomics.

ISLET is an international European consortium composed of teams from Denmark, Netherlands, France, Germany. Within this consortium, our team at Cochin, Paris, will use its expertise on pancreatic development as a roadmap for pancreatic endocrine cell generation from hPSC.

STRUCTURE D'ACCUEIL/LOCATION

Team Raphael Scharfmann's team «Functional pancreatic beta cell mass in rodent and human» is part of the «department of Diabetes» of the Institut Cochin located in the center of Paris, 22 rue Méchain – 75014 Paris, France.

Institut Cochin is one of the biggest biomedical French Research Center located in the center of Paris that provides a multidisciplinary scientific environment and very efficient core-facilities.

Visit our web: www.institutcochin.fr

CONTRAT/FINANCIAL SUPPORT

Type: CDD

Funding: Europe H2020

Beginning: October 2020

Length of contract: 2 years that can be renewed up to 5 years

Structure employeur/organization INSERM CNRS UNIVERSITE

Applicants should send their CV, letter of motivation and name of 2 references.

Envoyez votre CV, lettre de motivation et deux contacts de recommandations à :

- Raphael Scharfmann. Email : Raphael.scharfmann@inserm.fr