

POST-DOCTORAL POSITION ON PANCREATIC BETA CELLS IN PARIS, FRANCE

A postdoctoral position for up to five years is available in the INSERM group: Functional pancreatic beta cell mass in rodent and human (Director Raphael Scharfmann) <https://www.institutcochin.fr/departments/emd/team-scharfmann>

The team is part of the INSERM Cochin institute (www.cochin.inserm.fr/) and has a strong expertise in rodent and human pancreatic beta cell field. The Scharfmann's lab was the first one to generate functional human pancreatic beta cell lines (Ravassard et al, J Clin Invest 2011; Scharfmann et al, J Clin Invest 2014). We recently used those lines to model human beta cells in pathophysiological conditions (Chandra et al, Cell Reports 2014; Oshima et al, JCI Insight 2018). We also recently developed new approaches based on cell sorting to deconstruct pancreatic development in human (Ramond et al, E-Life 2017; Ramond et al, Development 2018).

The team belongs to a number of major national and international consortia such as for example, the Labex Revive (www.pasteur.fr/ip/easysite/pasteur/en/research/labex/revive), the Innovative Medicines Initiative for Diabetes (www.imi-rhapsody.eu, www.imi.europa.eu/content/innodia).

Title of project: **Pancreatic islet cell identity in type 1 diabetes (T1D).**

The goal of this project is to characterize changes in pancreatic endocrine cell identity in T1D conditions, and to use this knowledge to identify novel targets for preservation and/or restoration of islet cell identity.

This project is a collaborative effort supported by the Dutch Diabetes Research Foundation between our team and the Leiden University (<https://www.lumc.nl/?setlanguage=English&setcountry=en>).

The candidate will design and set up experiments as required for the progression of the project. He/she will use animal models, cell cultures (cell lines, primary cells), transcriptomics, FACS and histology.

The candidate must have a solid knowledge of molecular and cellular biology. Knowledge in immunology is a plus. Fluent English, written and spoken, is mandatory.

The candidate must be curious, highly motivated and use creative thinking in the resolution of scientific questions. He/she will need to easily interact with other scientists in the team and in the Institute, as well as with our external collaborators.

Education: MD/PhD, PhD in biological sciences.

Applications including a CV, list of publications, a summary of previous research experience and the names of two references should be sent to: **Dr Raphael Scharfmann**

Email: Raphael.scharfmann@inserm.fr