

Project Title: Dissecting signals controlling functional pancreatic endocrine cell mass

RESEARCH PROJECT

Diabetes is one of the main health challenges. To bring advanced therapies, more needs to be learned on pancreatic endocrine cells in physiological conditions and during diabetes. In this context, the objective of the project is to define the role of new signals that modulate functional pancreatic endocrine cell mass in rodent and human.

The candidate will use human beta cell lines ([PMID: 31478912](#)), FACS purified endocrine cell populations ([PMID: 32763423](#)) and fetal tissues as models ([PMID: 28731406](#)). The program will involve interactions with national and international consortia such as REVIVE (https://research.pasteur.fr/fr/program_project/revive/), ISLET (<https://isletproject.eu/>) and INNODIA (<https://www.innodia.eu/>). The candidate will also participate to the development of alpha and delta cell lines using approaches we previously developed to generate human beta cell lines ([PMID: 31478912](#)).

The candidate must have a solid knowledge of molecular and cellular biology. Expertise in FACS analyses is a plus. Fluent English, written and spoken, is mandatory. The candidate must be 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 external collaborators.

Education: MD/PhD, PhD in biological sciences

LOCATION

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, 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. (www.institutcochin.fr)

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

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