

## Titre du projet : Biologie des cellules endocrines du pancréas/ Pancreatic endocrine cell biology

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### PROJET/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/](https://research.pasteur.fr/fr/program_project/revive/)), ISLET (<https://isletproject.eu/>) and INNODIA (<https://www.innodia.eu/>). One objective is to develop and use alpha and delta cell lines through 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.

We offer a stimulating and productive lab environment of young researchers with strong team spirit. This is an excellent career opportunity, as the candidate will interact with several international collaborators

Education: MD/PhD, PhD in biological sciences

### STRUCTURE D'ACCUEIL/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](http://www.institutcochin.fr))

## CONTRAT/FINANCIAL SUPPORT

**Type:** CDD

**Funding:** National Research Agency

**Beginning:** Autumn 2022

**Durée du contrat/Length of contract:** 1 year (can be renewed)

**organization**

INSERM

CNRS

UNIVERSITE

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

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