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Marie Skłodowska-Curie Actions

*Developing talents,
advancing research*

Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Guillaume Perry
Supervisor page	https://www.researchgate.net/profile/Guillaume-Perry
Host Institution	National Institute for Health and Medical Research (Inserm) https://www.inserm.fr/en/home/
Research Lab	Common and Rare Kidney Diseases https://corakid.com/en/
Research Team	Genetics of inherited and acquired rare renal diseases https://corakid.com/en/research/theme-1/

Project Title

Development of new in vitro models of renal glomerular diseases

Project Description

The project aims to generate podocytes and glomerular endothelial cells from iPSCs within a microfluidic device integrating sensors to reproduce the glomerular filtration barrier and to model glomerular diseases. The project will be focus on two major tasks: iPSC differentiation into podocytes and glomerular endothelial cells within a microfluidic devices and disease modelling: effects of the haemodynamic conditions and presence of antibodies in the circulating medium.

Keywords

glomerular diseases, organ-on-a-chip, microfluidics

Description of the Host Research Lab

The main objective of our unit is to provide a comprehensive approach to the mechanisms responsible for loss of renal function and impaired tissue repair, to provide specific biomarkers for an early detection, and to develop more effective and specific treatments against progressive renal failure in order to halt the increase in the number of people requiring dialysis and/or transplantation.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr