



UNIVERSITÉ
CAEN
NORMANDIE



Post-doctoral position in cardiac physiology

University of Caen Normandie – EA4650 SEILIRM

EA 4650 – « Signalisation, Electrophysiologie and Imagerie des Lésions d'Ischémie-Reperfusion Myocardique »

The research group EA4650 is composed of 15 researchers including clinicians and basic scientists. It is located in the IBISA labelled GIP Cyceron site which hosts UMS 3408 UNICAEN-CNRS-CHU and provides shared equipment such as NMR, irradiator, cyclotron, PET-scan for humans and small animals and animal care facility.

The project of the team focuses on the identification of new strategies to evaluate and prevent cardiovascular remodeling. A first task aims at evaluating the roles of calcium signaling in this cardiovascular remodeling by different approaches including electrophysiology, pharmacology and molecular biology. The second task focuses on cardiovascular remodeling imaging.

Description

A postdoctoral position in cardiac physiology is available in the group. We are looking for a well-trained and highly motivated young scientist to identify new therapeutic targets for the treatment of electrical remodeling in atrial fibrillation. The postdoctoral fellow will perform studies on isolated cardiomyocytes from both knock-out mouse models and patients. Cellular electrophysiological and calcium imaging approaches are required.

Candidate profile

The candidate will hold a PhD in the biology-health field with a solid background in cell signaling and practical skills in electrophysiology. A strong experience of the patch-clamp technique is required as well as calcium imaging in single cells. Experience in cardiomyocytes isolation will be appreciated. Experience in the cell culture techniques and the practice of basic techniques of biochemistry and molecular biology will be an advantage. In order successfully achieve the project, the candidate must show autonomy and skills for scientific writing, organization, and communication as well as the ability to work efficiently as a team and independently.

Job information

The position will be founded by the Région Normandie and will start ideally by December 1st, 2020. The initial appointment is for 12 months (renewable for 12 additional months).

Application process

Please send your application (CV, cover letter, brief summary of your previous achievements and contact information of two referees) to Laurent SALLÉ (laurent.salle@unicaen.fr)

Application have to be submitted by November 15th, 2020