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From science to health

Dr Judith FAVIER, Ph.D.

PARCC (Paris- Cardiovascular Research Center) - Inserm UMR970

Team 13 – Genetic and Metabolism of Rare Cancers

56 rue Leblanc, 75015 Paris

e-mail : judith.favier@inserm.fr

<http://parcc.inserm.fr/research-teams/team/favier/>

<https://publons.com/researcher/1403789/judith-favier/>

POST-DOCTORAL POSITION

Genetics and Metabolism of Rare Cancers

The team “**Genetic and Metabolism of Rare Cancers**” is looking for a postdoctoral fellow to lead a 2 to 3-year research project on the role of microRNAs and oncometabolites in SDH-deficient paragangliomas. The project includes *in vitro* cell studies as well as molecular studies on human tumor tissues. More details will be provided on demand. This postdoctoral position, funded by a grant from the **French National Cancer Institute** (INCA, PLBIO), will be based in the PARCC (Research center of the Georges Pompidou European Hospital (HEGP)) under the supervising of Dr Judith Favier. It will start as soon as possible and may be extended for a longer period if possible. There is no nationality restriction. The working language will be French or English.

The team is focused on the study of rare cancers, and in particular inherited paragangliomas associated with mutations in genes encoding mitochondrial enzymes (for review see *Favier et al, Nature Reviews Endocrinology 2015*). Our team tackles both basic science with the study of oncogenic pathways associated with mitochondrial deficiencies, and translational research with human genetics, biomarker identification and therapeutic proof-of-concepts. In order to achieve these extended goals, our strategy has been to develop numerous but strong and long lasting collaborations, to investigate these wide questions using cutting-edge technologies and with a unique access to patients and biosamples. This state-of-the-art multidisciplinary approach has led us to collaborate with several clinical departments (from HEGP and other hospitals) and with research teams involved in *in vivo* imaging, metabolomics or fluxomics.

The lab is part of the PARCC, a recent research center created to concentrate cardiovascular competence in the Paris area. Located in a new building situated between the Georges Pompidou European Hospital and the André Citroën Park in the 15th arrondissement, it houses research teams with a broad range of expertise in cardiovascular research as well as state-of-the-art technology platforms (see <http://parcc.inserm.fr/>).

We are looking for a highly motivated scientist with a good background in genomics and/or molecular and/or bioinformatics/computational biology. An orientation towards *in silico* analyses including interpretation in single seq RNA sequencing data and skills in biostatistics would be an advantage. A strong track-record of publications in peer-reviewed journal and a good ability to work in a collaborative environment and to supervise students are asked.

Please send us your application with a CV, a cover letter outlining your motivation, a short summary of your past research and the names of at least two references.

Contact: judith.favier@inserm.fr