Looking For A PhD Candidate, University Jean Monnet , Saint-Etienne, France

Understanding The Functional Relationship Between Hypothalamic-Pituitary-Adrenal Axis, Skeletal Muscle And Liver Metabolisms During Cancer Cachexia.

We are looking for a PhD candidate for a 3-year fully funded scholarship at the University Jean Monnet in Saint Etienne (France) under the supervision of Pr Damien Freyssenet (LIBM, Saint Etienne) and Dr Julien Gondin (INMG, Lyon). The successful applicant will become part of a unique training and research environment within the multidisciplinary Inter-University Laboratory of Human Movement (LIBM, Pr Damien Freyssenet) in close relationship with NeuroMyoGen Institute (INMG, Dr Julien Gondin).

The PhD student will be responsible for:

        Carrying out a research protocol, collecting and analyzing data

        Disseminating the results in international peer-reviewed scientific journal and conferences

        Completing a PhD dissertation within 3 years

Project Summary

Cancer cachexia is a hypoanabolic and catabolic syndrome characterized by an involuntary body-mass loss, essentially due to a severe depletion of skeletal muscle. If skeletal muscle plays a central role in the syndrome, cancer cachexia is a systemic metabolic syndrome that involves multiple tissues and organs with important metabolic functions. To provide new insights into the mechanisms involved in cancer cachexia and to understand as a whole the diversity and complexity of cancer cachexia, the aim of this project will be to explore the functional relationship between hypothalamic-pituitary-adrenal axis, skeletal muscle and liver metabolisms in a murine model of cancer cachexia.

Applicant Profile

Applicant will have a MSc and strong background in biology and physiology with special interest in skeletal muscle biology and physiology. He or she should have experience in biological technics such as RT-qPCR, western blots, or immunohistochemistry. Previous experience with animal care and handling will be appreciated. A good background in statistical analysis will be also requested. Speaking English is mandatory.

The complete application file must be sent to Damien FREYSSENET. It will include:

        - a cover letter discussing your interest in the position,

        - a detailed CV,

        - a full record of your academic tracks,

        - a letter of recommendation.

The hearing of the PhD candidate will take place by videoconference

Application must be sent before May 3rd 2021 to Damien FREYSSENET.

Beginning of PhD: September -October 2021

Contact

Damien FREYSSENET

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