



Post-doctoral position available in cell physiology and nutrition

A Postdoctoral position is available in the group of Prof. Marc Francaux at the Université catholique de Louvain, Louvain-la-Neuve, Belgium for a young talented scientist with a strong background in cell physiology and/or nutrition. The research project is sponsored by ELEONOR a company active in the design and the development of health products. ELEONOR is motivated by the development of a strategy combining novel nutritional interventions and exercise to fight against muscle atrophy during ageing or during various physio-pathological states. To strengthen the know-how and the skills of the company, ELEONOR is willing to invest in research to improve the understanding of molecular mechanisms regulating muscle wasting and to shed light on the cellular signals linking diet, exercise and muscle anabolism.

Job description:

The project aims at determining the impact of dietary and exercise intervention strategies to preserve muscle mass in pathological states and to study the implication of various signaling pathways. The research will be carried out on a rodent model.

Education and experience:

- Mandatory: PhD in Nutrition and Health, Health Sciences, Biomedical Sciences or similar.
- Significant experience in research in cell physiology and/or nutrition including some experience in laboratory and student supervision or any equivalent combination of training and experience.
- Experience with laboratory animals.

Duties and responsibilities

- In collaboration with the PI, the selected candidate will identify the most relevant animal model, he/she will standardize the exercise protocols and he/she will confirm the selection of the potentially efficient nutrients.
- He/she will be responsible for the organisation and conduct of the intervention studies as well as for the analysis of the samples.
- He/she will write quarterly reports for the sponsor and scientific papers for publication in international journals.



Knowledge, skills and abilities

- Significant knowledge of developments in nutritional research, methods, and techniques.
- Good skills in laboratory techniques used in cell physiology research like immunochemistry, RTq-PCR, western-blot and enzymatic assays. Good ability to plan, organize and analyze intervention studies on in vivo models.
- This position also requires good skills in scientific writing.
- Excellent spoken and written English. French is not mandatory, but is an advantage for socializing.
- Ability to work independently.
- Good capacity to integrate a research group with good communication and social skills.

Contract: Temporary, 2 years. The vacancy is immediate. Salary: 3850 €/month brutto.

Additional information and application (CV, letter of motivation, 2 recommendations)

Professor Marc Francaux marc.francaux@uclouvain.be

<http://www.uclouvain.be/marc.francaux>