Post-Doc position in the study of inborn errors of vitamin B12 metabolism

The overall objective of this project is to develop an innovative therapeutic treatment for patients with a genetic disease of vitamin B12 metabolism. These patients generally present with numerous hematological and neurological symptoms for which conventional treatment does not prevent fatal outcome or serious neurological consequences. Innovative therapeutic strategies are therefore necessary, and our preliminary results obtained in vitro and in vivo on transgenic animal models demonstrate that the inhibition of different forms of cellular stress based on the pharmacological activation of the SIRT1 enzyme could constitute a new therapeutic approach (Ghemrawi et al, Metabolism, 2019). The Post Doc recruited by FHU ARRIMAGE (https://arrimage.univ-lorraine.fr) will perform a preclinical study to evaluate in vivo the effects of selected compounds with anti-oxidant or sirtuin agonist activities and their potential synergic effects, using our transgenic mouse models.

Requirements

- PhD in biological sciences or post-doc scientists with no more than 2/3 years experience.
- Scientific publications in peer-reviewed journals and presentations at scientific conferences. Published evidence of aptitude for high quality research is essential.
- A strong background or experience in cell signaling and metabolism is mandatory. A background in the study of oxidative stress is a plus.

Terms and conditions

Position, financed by Région Lorraine and CHRU of Nancy, is open from February 2024. Salary is available for 1 year. Salary: 2.0-2.5 k€ net/month depending on the previous experience.

Environment

The person will be recruited within the NGERE laboratory (Nutrition Genetic and Exposure to Environmental Risks (https://ngere.univ-lorraine.fr), a joint research unit of the University of Lorraine and Inserm (U1256) whose research theme concerns study of interactions between genetics, epigenomics and metabolic and/or nutritional factors on normal or pathological aging.

How to apply?

Please send to the PIs: 1) a cover letter highlighting research interests, goals and previous scientific contributions; 2) a CV listing education, publications, meeting presentations and any other skills of interest; 3) at least 2 reference contacts.

david.coelho@inserm.fr   jean-louis.gueant@univ-lorraine.fr