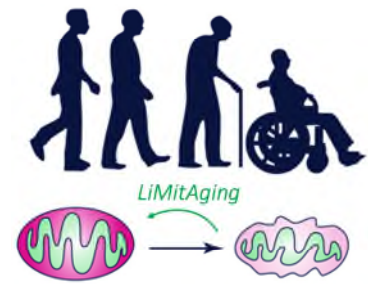




**POSTDOC
POSITION
AVAILABLE**



Postdoc position in cellular biology and mitochondrial metabolism available in Dr. Laurent Martinez lab in the Institute of Cardiovascular and Metabolic diseases (I2MC) at the University of Toulouse

<https://www.i2mc.inserm.fr/en/equipe-laurent-martinez-2/>

Keywords: Mitochondrial Dysfunction, Metabolic Reprogramming, Bioenergetics

The overarching goal of the research in the laboratory of Dr. Martinez (LiMitAging) is to explore the relation between some actors of mitochondrial functions and aging, and is driven by the hypothesis that enhancing mitochondrial health and mitochondrial quality-control mechanisms will promote healthy aging. In particular, the team's research in the field of lipoprotein and mitochondria led to identify original actors associated to lipid and mitochondrial energy metabolism.

<https://pubmed.ncbi.nlm.nih.gov/?term=martinez+LO&sort=date>

The project will aim to explore the regulation and function of a **novel regulator of mitochondrial oxidative phosphorylation (OXPHOS)** at the cell, organ, and whole-organism levels and in different pathophysiological conditions. Pharmacological approaches to target mitochondrial energy metabolism will be also explored.

We are seeking talented, conscientious, motivated and enthusiastic postdoctoral scientists interested in the field of mitochondrial dysfunction and metabolism to join our team. Dr. Martinez is committed to provide the training and resources needed for the lab members to achieve their goals at any point in their career path in an inclusive and inspirational environment.

Desired qualification:

- Molecular, biochemical and cellular imaging methods to study mitochondria
- Knowledge in mitochondrial energy metabolism
- Metabolic and functional studies in mice
- RNA-Seq and OMICs data Analyses
- Strong computer literacy including experience with image analysis, FlowJo, Prism, and Excel. Mastery of R and SAS would be a plus

Eligibility criteria:

- PhD in biology
- All nationalities

The Institute of Metabolic and Cardiovascular Diseases (I2MC) is recognized for its translational research in the field of metabolic (obesity, diabetes, dyslipidemias) and cardiovascular (thrombosis, atherosclerosis, cardiac and renal failure) diseases. Currently, the I2MC is composed of 11 teams. Translation to the clinic is greatly facilitated by the location within the Rangueil site of Toulouse University Hospitals. Notably, clinical departments devoted to nutrition, cardiovascular and renal diseases, obesity and diabetes are in close vicinity of I2MC.

I2MC offers scientists a diverse set of competence through its **7 core facilities** (Lipidomics, Imaging, Bioinformatics, Functional Biochemistry, Cytometry, Histology, Genomics & Transcriptomics).

Toulouse, with around 1.2 million people in its metropolis, is the fourth biggest city in France (behind Paris, Lyon, and Marseille). Nestled in south western France, Toulouse enjoys an almost Mediterranean climate. Those living in Toulouse are around an hour and a half from the Mediterranean sea and the Atlantic ocean. It is also within striking distance of the Pyrenees mountain range for those who like hiking and skiing.

Toulouse is the home of plane manufacturer Airbus where 21,000 people work and benefits from an important scientific community in various fields (space, medicine and biotechnology, A.I., mathematics, ...)

There is a strong expat community, largely because of the big international student population and the number of jobs available for foreigners.

Apply now to Laurent.martinez@inserm.fr with letter of motivation, CV and email of 2-3 references.