

# **Postdoctoral position in cardiac regeneration : Toulouse, I2MC, France**

A 30 months post-doctoral position (FRM french funding) is available for a highly motivated post-doc fellow to join a recent research group working in cardiac regeneration using resident cardiomyocytes (*Mias et al, Nature in revision*).

The Sénard/Galés team at the “Institute of cardiovascular & metabolic diseases” (I2MC) (<http://www.i2mc.inserm.fr/index.php/en/>), University of Toulouse III, France, provides a unique training environment for both discovery-based and translational therapeutic cardiac research combining cardiac medical doctors and researchers from both fundamental and physiological fields. Current projects in the team focus on investigating the molecular mechanisms underlying proliferation blockage of resident cardiomyocytes, using *in vitro* and *in vivo* approaches in mouse and rat models. The team demonstrates accurate skills to explore the cardiac tissue and cardiomyocyte architecture in high resolution microscopy (AFM/electron microscopy) but also in cardiac tissue histology. (*Genet et al, Circulation Research 2012; Dague et al, J Mol Cell Cardiol 2014; Lachaize et al, Letters in Applied NanoBioSciences 2015; Smolyakov et al, J Struct Biol 2017*)

In the frame of a “Bettencourt Schueller” prize awarded to Céline Galés, the successful applicant will fully benefit from a quite new laboratory with spaces dedicated to the cardiac experiments and optimization of adult cardiomyocyte purification/culture.

## **Requirements:**

The ideal candidate should hold a PhD or MD with a strong background with animal experiment and primary cell culture. Individuals with additional working knowledge of protein biochemistry, qPCR, cell biology and microscopy (confocal) are strongly encouraged to apply. Excellent knowledge of English, good interpersonal and communication skills are also required.

Please send a CV, names and contact information of three references and a short description of your scientific interests by email to Dr. Céline Galés ([celine.gales@inserm.fr](mailto:celine.gales@inserm.fr)).