



INSTITUTE  
FOR RESEARCH  
IN BIOMEDICINE

## POSTDOCTORAL FELLOW AT IRB BARCELONA

### POSTDOCTORAL POSITION GENE TRANSLATION LABORATORY

The Gene Translation Laboratory at the IRB Barcelona ([www.irbbarcelona.org](http://www.irbbarcelona.org)) has an opening for a postdoctoral position to work on human mitochondrial diseases. Our laboratory is focused on the functional connections between protein synthesis, and proteome quality control and human disease (see references).

Mitochondrial diseases caused by dysfunctional components of mitochondrial protein synthesis (MEALS, MERFF, etc.) represent a devastating set of conditions with no available cure. Moreover, experimental study of these diseases is hindered by the relative inaccessibility of mitochondria to genetic manipulation and biochemical analysis.

In our laboratory we are developing an animal model of human mitochondrial disease in *Drosophila melanogaster*. Our initial results have allowed us to obtain fly lines with mitochondrial defects in specific tissues that are now amenable to study. Using this approach we have been able to identify new essential components of mitochondria that are being characterized.

For this particular project we are seeking an enthusiastic postdoc with broad experience in cell biology interested in the study of the interface between cell biology and biochemistry and pathologies. Applicants should be ready to apply for competitive Spanish fellowships ('*Juan de la Cierva*' or '*Ramon y Cajal*'), that are currently open.

For more information on the fellowships please visit:

Ramon y Cajal Call:

<http://www.micinn.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnnextoid=b60f242046c26210VgnVCM1000001d04140aRCRD>

Call Deadline: March 2

Juan de la Cierva Call:

<http://www.micinn.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnnextoid=f900759903236210VgnVCM1000001d04140aRCRD>

Call Deadline: March 2

#### References:

1. Jones, Brown, Geslain, Alexander, and Ribas de Pouplana  
Molecular Cell 2008, **29** (3), 401-407.
2. Español, Thut, Schneider, and Ribas de Pouplana  
Proc Natl Acad Sci U S A. 2009 Nov **106** (46):19420-5.
3. Geslain, Cubells, Bori-Sanz, Alvarez-Medina, Rossell, Martí,  
and Ribas de Pouplana Nucleic Acids Research 2009 (ePub ahead of print).  
PMID: 20007146.

#### How to apply

Those interested should send full CV and a brief statement of experience and interests to the Laboratory Group Leader Dr Lluís Ribas de Pouplana [lluis.ribas@irbbarcelona.org](mailto:lluis.ribas@irbbarcelona.org)