

One full-time post-doctoral position is available in the lab of Prof. Paola Bruni at the Department of Biochemical Sciences, University of Florence, starting on November 2009 for 1 year, renewable, to work at a Telethon-funded project dealing with the role of bioactive lipids in skeletal muscle regeneration.

Particular attention will be devoted to understanding the role of sphingosine 1-phosphate (S1P) in the biological response of cytokines and growth factors implicated in physiological muscle repair. For this purpose both pharmacologic and genetic approaches (small interference RNA, recombinant plasmids, dominant negative mutants, etc) will be used to modulate S1P biosynthesis and S1P receptor-mediated signaling in order to define its involvement in the biological response to growth factors and cytokines. The ideal candidates should have a Ph. D. degree, an advanced level of independence and at least 1 scientific publication. Expertise in a broad range of molecular- and cellular-biology and biochemical techniques (i.e., cell culture, transfections, protein electrophoresis and western blotting PCR, purification of DNA, RNA, proteins, viral vector use, etc.) is highly desirable. Good written and spoken English language skills are necessary.

For consideration, please send a cover letter, including CV by e-mail to: paola.bruni@unifi.it

Assignment of the post-doc position requires the participation to a public competition and successful selection pass. Presumed deadline for public competition registration: September 2009.