

PhD Student Position in Molecular/Cellular
Biology
at University of Milano-Bicocca

Employer: PhD Program in Molecular and Translational Medicine,
University of Milano-Bicocca

Website: www.btbs.unimib.it
www.dimet.org

Location: Milano, Italy

A three years Ph.D. student position starting December 2010 - January 2011 for candidates in Switzerland/EU countries is available in the areas of Molecular and Cellular Biology in the general field RNA metabolism and neuronal development, at Department of Biotechnology and Biosciences, University of Milano-Bicocca, under the supervision of Dr. Silvia Barabino.

Our laboratory studies the role of RNA-binding proteins in neurodegeneration. The process of motor neuron degeneration is complex and involves multifactorial influences. Several alterations have been proposed as concurring to its pathogenesis, among them oxidative stress, mitochondrial dysfunction, impaired axonal transport. Recent evidence suggests that proteins with a role in RNA synthesis, processing, function and degradation play a role in the mechanism of degenerative disorders affecting the motor neuron. The first project will elucidate the function of the FUS protein, recently involved in the pathogenesis of Amyotrophic Lateral Sclerosis, a fatal neurodegenerative disease. The second project will focus on the characterization of the neuronal kinase SRPK2. The successful applicant will apply standard techniques in biochemistry, molecular biology, and cell biology including in vivo techniques.

Applications including full CV and contact information of 2 referees should be sent by e-mail to silvia.barabino@unimib.it

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