

PhD position in the field of “RNA biology and human diseases”

PhD Program in Translational and Molecular Medicine (DIMET)

Department of Biotechnology and Biosciences
University of Milano-Bicocca

Exciting opportunity for a PhD position is open in the field of “RNA biology and neurodegeneration”. The available scholarship is for an individual research project that usually last 3 years at the Department of Biotechnology and Biosciences, University of Milano – Bicocca (Italy) in the RNA Molecular Biology Laboratory headed by Prof. Silvia Barabino.

Our laboratory is interested in understanding the fundamental mechanisms of transcription and RNA splicing in the nervous system, and how alterations in these mechanisms contribute to neurodegenerative diseases. We are using iPSC-derived cells, gene editing and state-of-the art confocal microscopy to study protein-RNA interactions in ALS disease models. We are also studying the role of RNA-binding proteins in genome stability and how their dysfunction contributes to neurodegeneration.

The PhD project involves the characterization of the role of Heat Shock Protein chaperones in the regulation of the folding and aggregation of RNA-binding proteins involved in ALS pathology.

Education required

- University degree in a relevant discipline, e.g. biomedicine, biology or biochemistry.

Qualifications

- Experience with basic laboratory methods in molecular/cell biology and biochemistry
- Fluent written and oral communication in English
- High level of motivation and commitment
- Ability to work in a team

Deadline: May, 30th 2020

Additional information

More information can be obtained directly from Prof. Silvia Barabino:
silvia.barabino@unimib.it