



Co-tutored PhD Position at Università degli Studi di Milano-Bicocca (IT) and University of Surrey (UK)



“Deciphering the FUS RNA interactome and its implications for neuronal homeostasis”

Project Description

We are seeking an enthusiastic and highly motivated candidate to join our laboratories studying how the RNA-binding protein FUS regulates neuronal homeostasis via the interaction with long noncoding RNAs, an emerging class of regulators of gene expression. FUS is a multifunctional protein involved in transcription, processing and transport of mRNAs, as well as in DNA repair. Misregulation of FUS expression or disruption of its function due to mutations or sequestration into nuclear or cytoplasmic inclusions have been linked to the pathogenesis of neurodegenerative disorders such as amyotrophic lateral sclerosis and frontotemporal dementia.

Our labs use cutting-edge techniques to characterize the biological functions of RNA-binding proteins. These approaches include (but are not limited to) genome editing, NGS, proteomics, and in vivo imaging,

About the position

The doctoral fellow will be hired on a 36 months fellowship. The primary working premises for the PhD fellow will be the University of Milano-Bicocca, but 12 months will be spent at the University of Surrey.

Opening of the call March, 21st, 2023. The starting date will be November, 1st.

Candidate Profile:

The candidate should obtain a M.Sc. (Laurea Magistrale) in Biology, Biotechnology, Biochemistry, or related subjects prior to November, 1st. The candidate is expected to have the proper qualifications to perform the work as part of a PhD program, including presentations of the work in English at conferences and publications in scientific journals.

For more information about the PhD project and about the call for applications, please contact:

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