



ERC-funded *Postdoctoral Scientist*

SIGNALING MECHANISMS IN ENDOTHELIAL CELL POLARITY

Laboratory of Endothelial Molecular Biology

Dept. of Molecular Biotechnology and Health Sciences, University of Turin, Italy

The Laboratory of Endothelial Molecular Biology led by Prof. Massimo Santoro is looking for highly motivated postdoctoral scientists to work in the field of angiogenesis.

Our lab is focused on studying endothelial cell behavior in normal and pathological conditions. In particular, we have recently identified a new metabolic-driven signaling pathway that is crucial to direct endothelial polarization during blood vessels development. Combining advanced genetic approaches in animal models as well as advanced biochemical and confocal approaches we are now planning to elucidate in more details the role of this metabolic-dependent mechanism during *in vivo* angiogenesis in mouse models. Such studies will offer unique prospects for designing new therapeutic strategies involved in pathological angiogenesis.

The candidate must be **highly motivated**, enthusiastic and efficient researcher with a PhD in a relevant discipline and experience in genetic, molecular and cellular biology methods (priorities will give to candidates with already established expertise in mouse genetic). The candidate needs an outstanding publication record in peer-reviewed international journals (including at least one paper as a first author in top-journal). The candidate must be capable of working in a team as well as independently. The candidate is expected to independently establish all necessary techniques, introduce new technology, coordinate ongoing collaborations, and instruct other scientists. Excellent communication skills in spoken and written English are required.

We offer a dynamic working environment, stimulating scientific surrounding in a young, enthusiastic, motivated team (with English as main language) and the opportunity to work on high-impact projects. To meet the increasing demands of performing multidisciplinary research, the Molecular Biotechnology Center at UNITO offers Core facilities including: Imaging (e.g. 2-photon and light sheet microscopy), state-of-the-art transgenesis techniques (e.g. iCRISPR), MassSpec and metabolomics (LC-MS Q-Exactive, LC-MS QQQQ, GC-QQQ), histology, animal facilities (mouse, zebrafish and rabbit facility), and more. We offer a competitive salary (European Marie Curie Fellow range) and social security contribution.

Contact

Please send your application including a CV, a motivational letter describing why you want to join our team, details of qualifications (including information about honors, awards) and contact information of three references who can judge your work to: ***massimo.santoro@unito.it***