

A **post-doc position** is available in the Vascular Biology Lab at the Department of Oncology (www.dep-oncology.unito.it) of the University of Torino in collaboration with the Candiolo Cancer Institute-IRCCS (www.ircc.it), in Torino (Italy). The research field will be the **signaling mechanisms sustaining the activation of endothelial cells**, with emphasis on the relationships between metabolic enzymes and endothelial-mesenchymal transition.

Profile and main duties

Outstanding Postdocs with interest and experience in signal transduction pathways. Ideal candidates will have skills in protein biochemistry, gene expression manipulation and cell biology, and the ability to independently design, execute and troubleshoot experiments. Team player attitude, independence and problem-solving skills are requested.

The Department and the Lab

The **Department of Oncology** is a comprehensive academic centre, with the Candiolo Cancer Institute being the pre-clinical cancer research branch of the Department. The Faculty is constituted by 67 members and the Department hosts about 200 Post-docs, PhD students and resident Physicians. The primary mission is to develop a continuum of research from basic and translational research medicine to health care based on the intense collaboration between cancer-cell biologists and clinicians. State-of-the-art core facilities and a vivarium hosting 10,000 mice are available. The **Lab of Vascular Oncology** mainly works on the molecular mechanisms activating vascular cells in tumors and on circuits occurring between vascular cells and cancer cells, which contributes to tumor progression and to resistance mechanisms.

The PI of the Lab is **Federico Bussolino**, Professor of Biochemistry at the Medical School. He has a long experience in the field of vascular biology and seminal contributions encompass the role of HGF and colony stimulating factors in promoting angiogenesis, the cooperation between adhesive systems and tyrosine kinase receptors in endothelial cells, the regulation of vascular remodeling by neuronal cues. The current research activities are focused on transcription factor EB in regulating endothelial cell (10.15252/embj.201798250) and fibroblast metabolism and mesenchymal transition.

https://scholar.google.com/citations?user=HYsvXxdI_lkC&hl=en

Job Offer

1. Working with an enthusiastic PI and an already-setup laboratory in a creative scientific environment
2. Research activities covered by national and international long-term grants
3. The lab aspires to produce significant scientific information able to promote real step forwards in vascular biology
4. Basic science approaches to address relevant oncological needs
5. Two years contracts renewable
6. Salary will be based on the level of experience and skills

Cover letter, CV and references contacts may be directed to federico.bussolino@unito.it