Postdoctoral Scientist

REDOX SIGNALING IN TUMOR ANGIOGENESIS

Laboratory of Endothelial Molecular Biology
Vesalius Research Center-VIB, KU Leuven

The Vesalius Research Center (VRC) is one of the research departments of the Vlaams Instituut Biotechnologie (VIB -Flanders Institute of Biotechnology) located at KU Leuven – Campus Gasthuisberg. Actually within the VRC we have 9 research groups with an employment of about 147 researchers, technical and administrative collaborators.

For the **Laboratory of Endothelial Molecular Biology** we are looking for a postdoctoral scientist, who will focus his research on the **role of redox metabolism in tumor angiogenesis.**

Using mouse genetic approaches as well as advanced molecular and microscopic techniques we wants to elucidate how redox metabolism regulate tumor angiogenesis (cancer). The project will focus on pathological angiogenesis of mouse models of Ubiad1, a new redox rheostat enzyme we recently identified (Mugoni et al., 2013, Cell; Mugoni et al., 2013 Nature Protocols). Our laboratory and Department have acquired strong experience in biochemistry, genetic, molecular and cellular biology of endothelial cells in different animal models (www.vrc-lab.be). Zebrafish and mouse animal facility, advanced stereo/confocal/light sheet microscopy equipments, advanced gene-editing techniques and metabolic core facilities are all available in the laboratory and department for such vascular-related studies.

The candidate must be a **highly motivated**, enthusiastic and efficient researcher with a PhD in a relevant discipline and strong experience in mouse genetic, molecular and cellular biology methods. 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. Candidates at first post-doc experience will be privilege. Excellent communication skills in spoken and written English are required. Strong interest in pursuing top-level research in a stimulating and competitive field of science.

Salary will be based on previous experience and skills.

Contact
Applications should include a cover letter, a CV and three reference letters from direct supervisors.
Please sent your applications and references to Massimo M. Santoro (Massimo.Santoro@vib-kuleuven.be).

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