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**Postdoctoral position in redox signaling kinetics**

Position: A postdoctoral Research position is immediately available for structure-function studies of proteins involved in redox metabolite signaling. Successful candidates will join an exciting research environment of the Messens VIB-laboratory at the Center for Structural Biology in Brussels. The Messens laboratory is recognized as a world leader in the redox field, and the lab provides an outstanding position in protein biochemistry and structural biology, in a highly dynamic and team-oriented research group. In this cutting-edge research environment, you will tackle essential biological problems in metabolite signaling.

Mission of the lab: We decipher how cells sense redox metabolites and transduce stimuli into downstream biological effects. Knowledge of the mechanisms by which sensors and transducers function are invaluable in understanding how redox homeostasis pathways can be engineered with the ultimate goal to improve oxidative stress resistance in plants and to identify therapeutic targets in redox diseases.

Your function in the lab: You will be involved in a project that exploits prokaryotic proteins for the design of de novo biosensors with a fluorescent read-out useful for both *in vitro* studies and live imaging of cellular metabolic changes. Further, your expertise will be needed for the structural and functional analysis of plant redox sensors to understand how organelle communication functions at the molecular level.

Requirements: Applicants should have obtained a PhD in the last 5 years within the field of protein biochemistry and should have hands-on expertise with protein purification and fast kinetic techniques. Fluency in English is a must. Experience with biophysical techniques and structural biology is a plus, but not required.

Please send a cover letter discussing your interests in the laboratory and the project as well as your CV and a list of 3 individuals as references to joris.messens@vib-vub.be.