



FUNDAÇÃO CALOUSTE GULBENKIAN

Instituto Gulbenkian de Ciência



One post-doctoral position is immediately available in the Plant Stress Signaling group at the Instituto Gulbenkian de Ciência located near Lisbon, Portugal (<http://www.igc.gulbenkian.pt>). The position is initially for one year but renewable up to three.

Research in the lab focuses on energy signaling and its connection to environmental changes and growth. The *Arabidopsis* SnRK1 protein kinases play a central role during the stress response and are required for the proper integration of environmental cues into growth and development. Sensing and signaling stress-associated energy deprivation, SnRK1s trigger global gene expression reprogramming, enabling the adjustment of energy homeostasis necessary for coping with stress. Plant miRNAs, on the other hand, have recently been implicated in adaptive processes, mediating the response to various nutrients as well as to other abiotic and biotic stresses. The present position is aimed to explore the possibility that part of the SnRK1-mediated gene expression program is implemented through miRNAs.

Applicants should have a PhD in genetics, biochemistry or molecular biology, with excellent communication skills and a strong background in molecular biology and biochemistry. Experience in miRNAs/small RNAs and/or traditional biochemical methods (immunopurification, protein complex isolation, cell fractionation, etc) is a plus. Interested candidates should send CV, a letter of motivation with a brief description of previous research, and three letters of reference to ebaena@igc.gulbenkian.pt