Open Call for a Fixed Term Contract

Applications are open for a Postdoctoral Work Contract Position under the Project “CANCEL STEM: Tackling cancer stem cells: a challenge and an opportunity to advance in anti-cancer therapy”, with the reference POCI-01-0145-FEDER-016390, at the IGC – Instituto Gulbenkian de Ciência, Oeiras, Portugal, and financed by Fundação para a Ciência e a Tecnologia (FCT), through national funds (PIDDAC) and co-financed through the European Regional Development Fund (FEDER) with the following conditions:

Scientific Area: Computational Biology

Selection Criteria: The candidate must have a PhD in Bioinformatics or in Computational Biology. The selected candidate will have a strong and traceable track record in bioinformatics and/or computational biology. Previous experience in network biology and skills in statistics and programming would be highly appreciated. The selected candidate will demonstrate a strong motivation towards the proposed project, be an independent thinker with genuine willingness to work in a multidisciplinary environment.

Subject of Activities: The candidate will define and analyse a multi-scale model to uncover mechanisms that could explain observed links between Epithelial-to-Mesenchymal Transition and its reverse process (EMT/MET) and acquisition of stemness features. More precisely, the candidate will build on a qualitative, logical model of the molecular pathways involved in EMT/MET and will establish an extended network including major stemness markers. Systematic analyses and validation against public data will be performed to validate this model, which will then be integrated in a multi-cellular context to account for the role of the tumour cell microenvironment. The model will be further refined using data produced by our i3S partners who will also experimentally validate a selection of in silico prediction on targets affecting EMT/MET and/or stemness features.

Laws and regulations: Portuguese Labour Law in its present legislation.

Work Place: Work will take place in the IGC – Instituto Gulbenkian de Ciência, Oeiras, Portugal, under the Scientific Orientation of Dr. Claudine Chaouiya - Network modelling lab.

Duration of the Work Contract: The contract will have the duration of 12 months, expected to start in January 2017 possibly renewable for up to two times until the end date of the Project (December 31, 2019).

Monthly Stipend: According to the qualification 8 (doctorate), index 195 in full-time, of the Salary Table of the Auxiliary Researcher Career. Payment will be made by bank transfer.

Selection Procedure: CV (40%), motivation letter (20%) and references (10%). The top three candidates will be interviewed (30%).
Selection Juri: President Dr. Claudine Chaouiya.
Other Members: Dr. Pedro Monteiro e Dr. Florence Janody.

Form of advertising / notification of results: The assessment results will be sent to all candidates by email and to FCT by registered surface mail.

Application Period: From December 19th 2016 to January 20th 2017

Application documents: the following documents must be sent directly by e-mail with “Candidatura PostDoc CANCEL STEM” as subject to chaouiya@igc.gulbenkian.pt:

a) CV;
b) motivation letter (one page);
c) proof of degree;
d) 2-3 reference letters.

In case of any doubt please contact Claudine Chaouiya (chaouiya@igc.gulbenkian.pt).