



Marseille
Medical
Genetics



Postdoctoral position in Computational Biology / Bioinformatics

Keywords: Networks, Systems Biology, proteomics, phosphoproteomics, kinomics, interactomes

The *Networks and Systems Biology for Diseases* group in the Marseille Medical Genetics Unit (MMG, Inserm – La Timone Medical faculty – Aix*Marseille University), has an opening position for a computationally-oriented Postdoctoral fellow.

Project

The project is dedicated to the development of novel strategies to integrate various -omics data generated from neuroendocrine tumors in sensitive and resistant contexts. Neuroendocrine tumors are rare tumors characterized by a relatively slow proliferation and hormonal hypersecretion. They however display therapeutic resistances to common treatments, for which the molecular mechanisms are poorly understood. The proposed project intend to develop a network-guided framework to integrate genomics, interactomics, quantitative proteomics and kinomics data generated from tumor samples and cell lines, in order to decipher the signaling modules and potential therapeutic targets involved in neuroendocrine tumors resistance.

Environment

The successful applicant will work in an interdisciplinary team of computational biologists, bioinformaticians and systems biologist, involved in the development of network approaches to better understand human disease. Our group has strong theoretical roots, and the applicant will have the opportunity to collaborate closely with members of the MABIOS group from the Marseille Mathematics Institute. The project will be conducted in close collaboration with the *Differentiation and Proliferation in NeuroEndocrine Tissues (DiPNET)* group from the MMG Unit.

Qualifications

PhD in Computational Biology, Bioinformatics, Systems Biology or related fields. Experience in the design and implementation of algorithms applied to the analysis of a variety of biological -omics data, as well as strong analytical, programming (R, Python...), and communication skills are essential. Experience with common bioinformatic databases, tools and resources and in Biostatistics are important.

Please make sure your application includes a letter of motivation, a list of publications, a detailed CV and the contact information of 2 references (including email addresses and phone numbers).

Offer

Fully-funded position for 2 years in Marseille, a vibrant city from the south of France. The starting date is expected in Spring 2018. The salary will be based on experience. The MMG Unit is located in the La Timone faculty of Medicine campus, close to the hospital, and is leader in the field of rare genetic diseases. The working language of the group is English.

Application can be sent directly to “[anais.baudot – at – univ-amu.fr](mailto:anais.baudot@univ-amu.fr)”
<https://sites.google.com/site/anaisbaudot/job-offers>