



RESEARCH FELLOWSHIP (m/f)

One research fellowship is opened for recruitment in the Project “**Molecular control of self-renewal and lineage specification in thymic epithelial cell progenitors in vivo**”, financed by an ERC Starting Grant 2014 (reference 637843).

Internal Reference: ERC_BIM_2019

Scientific Domain: Health Science - Immunology

Duration: 6 months, eventually renewable. The expected starting date is 1st of July 2019.

Qualifications: Applicants must **(1)** be educated to a minimum of Master level in the field of Immunology (final mark of the Master degree ≥ 17 , on a scale of 0-20) **(2)** have at least one publication (first or co-author) in a peer-review in a journal or book chapter and lastly **(3)** have proven experience in mouse models (certified FELASA B user) and 15-colour flow cytometry analysis.

Job Description: Our laboratory studies the differentiation and function of Thymic Epithelial Cells (TEC), which provide chief microenvironments for T-cell development and tolerance induction within the thymus. Cortical (cTEC) and medullary (mTEC) subtypes define functionally distinct niches that derive from bipotent TEC progenitors. Yet, the genetic details that control cTEC/mTEC lineage specifications from TEC progenitors are unsettled. We are seeking for two highly motivated research fellows to integrate our ERC-funded team that aims to identify the nature of TEC progenitors and decipher the molecular principles involved in their self-renewal and cell-fate decision. Our goal is to select top candidates to apply in the near future to international and national PhD programs. We take an integrative approach to examine TEC differentiation, proceeding from high-throughput analyses at cellular level to *in vivo* mouse models. IBMC is a leading European research institute whose mission is to promote scientific excellence and innovation in Health Sciences. i3S/IBMC offers a state of the art, dynamic and international research environment. The working language is English.

Legislation and Salary: The fellowship is regulated by current laws relating to the Statute of Science Research Fellows, namely Law 40/2004 of August 18, and the Regulation of Scientific Research Studentships of the IBMC (www.ibmc.up.pt/fellowships.php). The salary is initially of 980€ (net and tax free, <http://alfa.fct.mctes.pt/apoios/bolsas/valores>) and can be eventually updated.

Location: i3S/IBMC/Thymus Development and Function Group, under the supervision of Dr. Alves.

Selection: The candidates will be selected according to their CV, and interview if necessary.

Juri: Presidente: Nuno Alves (PhD)

Vogais efectivos: Rute Pinto (PhD), Pedro Rodrigues (PhD)

Results: The results will be published at the IBMC website and the selected candidate will be informed by email.

Dates: The application call is opened between 14-25 June 2019. Applications and supporting documentation – **brief motivation letter, CV and a copy of all certificates and manuscripts** are mandatory - are only accepted *via* the online application system:

http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=ERC_BIM_2019

Selection criteria: Only candidates that fulfill all the requirements and presented all the supporting documents will be considered. Top candidates will be ranked by evaluation of curricular achievements, relevance of previous laboratory experience to the proposed project and motivation letter.

