





PhD fellowship position

A PhD fellowships position is opened for recruitment to collaborate 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: ERC131801

Scientific Domain: Health Science - Immunology

Qualifications: To be considered for this position, candidates **must (1)** be educated to a minimum of Master level in the field of heath science (final mark \geq 16, on a scale of 0-20) in the area of Immunology (2) have solid experience in mouse models (certified FELASA B or a similar certificate) and multicolor flow cytometry analysis (simultaneous detection of \geq 8 colours/parameters).

It is <u>mandatory</u> to include in the motivation letter (I) the title and broad area of the thesis, (II) detail clearly the level of experience (No/Rare/Extensive) in cytometry and in the simultaneous detection of ≥ 8 colours, and (III) in conducting animal experimentation in mice (mandatory attach the certificate).

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 one highly motivated PhD candidates 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. We take an integrative approach to examine TEC differentiation, proceeding from high-throughput analyses at cellular level to *in vivo* mouse models. We are seeking one highly motivated PhD student to integrate our ERC-funded team.

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 993.43€ (net and tax free, <u>http://alfa.fct.mctes.pt/apoios/bolsas/valores</u>)

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

Duration: The fellowship is initially for one year, eventually renewable. The starting date is 1st of December 2018.

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 12 and 23 November 2018. Applications and supporting documentation – **Maximum of One-page motivation letter, CV, certification to conduct animal experimentation and other relevant certificates -** are mandatory and only accepted *via* the online application system. <u>http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=ERC131801</u>