



### **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:** Tec\_Pro-131503

**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 health science (final mark  $\geq 16$ , on a scale of 0-20), preferably in Immunology, **(2)** have at least one publication (first or co-author) in a peer-review journal and a strong background in T-cell biology and lastly **(3)** have experience in mouse models (certified FELASA B user), flow cytometry, molecular and cell biology (lentiviral transduction) and imaging 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 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](http://www.ibmc.up.pt/fellowships.php)). The salary is of 980€ (net and tax free, <http://alfa.fct.mctes.pt/apoios/bolsas/valores>).

**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 1<sup>st</sup> of January 2016.

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

**Juri:** Presidente: Nuno Alves (PhD)

Vogais efectivos: Rute Pinto (PhD), Rui Appelberg (Prof. 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 10-21 August 2015 Applications and supporting documentation – **brief motivation letter, CV and the names of three references** are mandatory - are only accepted *via* the online application system:  
[http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=Tec\\_Pro-131503](http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=Tec_Pro-131503)