



POSTDOCTORAL POSITION

A postdoctoral 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: ERC201502

Scientific Domain: Health Science - Immunology

Qualifications: Applicants must have (or be finalizing their studies towards) a Ph.D. in Immunology, or similar degree, at least one publication as first author, a strong background in T-cell biology and autonomy to lead a scientific project. Experience in mouse models, flow cytometry, molecular and cell biology (lentiviral transduction), imaging analysis and/or bioinformatics (RNA-seq analysis) will be valued.

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 postdoctoral candidate 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. 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 1495€ (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. Nuno Alves.

Duration: The fellowship is initially for 24 months, eventually renewable up to 48 months. The expected starting date is 1st of August 2015, which can be further extended to the 1st of October 2015.

Selection: The candidates will be selected according to their CV (50%) and interview (50%).

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 1-10 July 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=ERC201502> Interviews will take place within 13-24 July 2015.