



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: ERC131703

Scientific Domain: Health Science - Immunology

Duration: The fellowship is for 24 months. The expected starting date is 1st of April 2018.

Qualifications: Applicants must have (1) a Ph.D. in Immunology, or similar degree, (2) at least one publication as first author in Immunological journals, (3) a strong background in T-cell biology and autonomy to lead a scientific project. Proved experience in mouse models, flow cytometry, molecular biology 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 with less than three years of post-doctoral experience 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:

Fellowships are regulated by current laws relating to the Statute of Science Research Fellows, namely Law 40/2004 of August 18, amended and republished by Decree-Law No. 202/2012 of 27 August and the Regulation of Scientific Research Studentships of IBMC approved by Fundação para a Ciência e Tecnologia (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>).

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

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

Juri: Presidente: Nuno Alves (PhD)

Vogais efectivos: Rute Pinto (PhD), Pedro Ferreira (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 1-9 March 2018 Applications and supporting documentation – **brief motivation letter, CV and the names of two references** are mandatory - are only accepted *via* the online application system <http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=ERC131703>.

Candidates that meet the three qualifications criteria will be invited for an Interview. Interviews will take place within 12-16 March 2018.