

**IBMC - Instituto de Biologia Molecular e Celular**  
**Postdoctoral Position (f/m)**

**Internal Code:** Norte2020HOST14

**Project:** NORTE-01-0145-FEDER-000008, “BIOENGINEERED THERAPIES FOR TISSUE REGENERATION AND INFECTIOUS DISEASES

**Title:** Harness the function of the Thymus during injury and regeneration.

**Host Institute:** Instituto de Investigação e Inovação em Saúde (I3s); Instituto de Biologia Molecular e Celular (IBMC), Porto, Portugal.

**Group and PI:** Thymus Development and Function, Nuno L. Alves

IBMC/i3S is opening **one Postdoctoral Position** to join its Research Program on “Host Interaction and Response”. The laboratory of “Thymus Development and Functions” is seeking for one highly motivate postdoctoral researcher to integrate our ERC-funded team. We study 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. Our goal is 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.

**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.

The contract offered will be different in accordance to the experience of the selected candidate:

- a Post-doctoral fellowship for candidates with less then three years of post-doctoral experience. 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>);
- a Fixed term contract (level 1, salary index 28 TRU) for candidates with more then three years of post-doctoral experience. The contract is regulated by the decree-law 57/2016 from August 29, and the Portuguese Labour Law.

**Starting date and duration:** The tentative start date is 1<sup>st</sup> of January 2017, but can be extended to the 1<sup>st</sup> of March 2017. The position is initially for one year, but eventually renewable. The host laboratory will support the selected candidate for future applications for National and International competitive funding.

**Selection Committee:**

Nuno Alves, PhD

Rute Pinto, PhD

Chiara Perrod, PhD

**Selection criteria:** The ranking of candidates will be performed by a global evaluation based on the publication record relevant to the project (50%), and his/her experience in previous projects relevant to the work-plan. The committee will evaluate the scientific and curricular achievements of the candidate, taking into the announced competencies, the quality of the scientific production and the motivation letter that should include a short description of the most relevant scientific achievements by the applicant. The five best-ranked candidates will be invited for personal interview (via Skype if the researcher is located abroad). The jury may not award this grant, if the expected quality and requirements of the candidates are not met.

Applications must be received from 1<sup>st</sup> of November until 10<sup>th</sup> December 2016.

To apply for the Researcher Position, the interested candidate must hold a PhD degree and submit the following documents *via* the online application system ([www.ibmc.up.pt/institute/open-positions](http://www.ibmc.up.pt/institute/open-positions)): a) Complete CV; b) Letter of Motivation; c) Names and contacts of 2 potential referees at:

<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=Norte2020HOST14>

The ranking list of candidates will be published at IBMC website, and the selected candidate will be notified by email.