

IBMC - Instituto de Biologia Molecular e Celular

BIM fellowship (f/m)

Internal Code: Norte2020HOST25

Project: NORTE-01-0145-FEDER-000012, Structured Programme on Bioengineering Therapies for Infectious Diseases and Tissue Regeneration

Title: Microbial modulators of the host inflammatory response as vaccine targets

IBMC/i3S is opening **1 (one) BIM** to join its Research Program in the “Virulence mechanisms as targets for innovative approaches to fight infectious agents”

We are looking for a Fellow holding a BSc in the field of biological/biomedical sciences (mark of 16* or higher) and Master Degree in the biological/biomedical field (mark of 18* or higher) and previous laboratory experience in infection and immunity, including working in a BSL2 laboratory and animal facility.

*according to Portuguese classification system, or equivalent international grades.

Due to the short duration of the fellowship, candidates must hold a Laboratory Animal Science course certificate and prove full autonomy in flow cytometry (8-color parameter or higher, data acquisition and analysis). Preference will be given to candidates with proved experience in: basic microbiology techniques, fluorescence microscopy, immunohistochemistry, protein purification, electrophoresis and Western blot, ELISA, nucleic acid extraction, qPCR, cell and tissue culture, antibody purification, and parenchymal organ leukocyte recovery. Experience on dendritic cell and T cell responses, and in vitro T cell suppression assays, may also be favorably considered. English language, both spoken and written, and good inter-personal relationships in the context of a multidisciplinary research team are essential attributes.

Group and PI: Immunobiology Group (M. Vilanova)

Work Plan: Culture of *Candida* spp and *S. epidermidis*. In vitro and in vivo infections with these microorganisms. Analysis of the T-cell mediated immune response (using flow cytometry, qPCR, ELISA, in vitro cultures) and immunopathology.

Selection: Candidates will be first ranked according to their CV and letter of motivation, using a scale ranging from 0 to 20. Candidates with a mark higher than 15 will be eligible for a personal interview by the Selection Committee, evaluated using a scale ranging from 0 to 20. Final candidate ranking will include curricular evaluation (weight of 50%) and outcome of interview (weight of 50%).

The Master Fellowship will be for 6 months, not renewable, and it is expected to start in March 1st 2018.

The fellowship amount is 980 euros, paid by bank transfer, preferentially.
(<http://alfa.fct.mctes.pt/apoios/bolsas/valores>)

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>)

Selection Committee:

Rui Appelberg, MD, PhD

Alexandra Correia, PhD

Manuel Vilanova, PhD

Applications are open from 1st February to 15 February 2018.

To apply for the BIM Fellowship interested candidates must hold a Master degree and submit the following documents a) Complete CV; b) Letter of Motivation*² and c) degree certificates via the online application system:

<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=Norte2020HOST25>

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

*² The Letter of Motivation must indicate prior working experience and acquired laboratory skills and the contacts of up to two references