

**IBMC - Instituto de Biologia Molecular e Celular  
Research fellowship (f/m)**

**Internal Code:** Norte2020HOST16

**Project:** NORTE-01-0145-FEDER-000012 – « Structured Program on Bioengineered Therapies for Infectious Diseases and Tissue Regeneration »

IBMC/i3S is opening **3 (three) Research Fellowships (Master)** to join its Research Program in Host Interaction and Response.

**Title:** Molecular biology of host-pathogen interactions and responses for new therapeutic targets

**Group and PI:** Molecular Microbiology, Didier Cabanes.

**Admission Requirements:**

We are looking for Fellows holding a Master degree in Microbiology, Biology, Biochemistry or related fields with experience and autonomy in working in Microbiology, Molecular and Cellular Biology, Advanced Light Microscopy, Cell-based assays and data quantitative analysis. English language, both spoken and written, and good inter-personal relationships in the context of a multidisciplinary research team are essential attributes. Preference will be given to candidates with these characteristics.

**Work Plan:**

The main objectives of this Program are to comprehend virulence mechanisms of pathogens and molecular processes of the host immune/inflammatory response to develop novel prevention, diagnosis and anti-infective strategies.

In the framework of the research line “Molecular biology of host-pathogen interactions and responses for new therapeutic targets”, our objective is to use *Listeria monocytogenes* to provide targets to innovative approaches diminishing infectivity and reinforcing host defences to control infection, by analysing not only the strategies evolved by this pathogen to invade the host and manipulate/evade host defences, but also the mechanisms engaged by the host to sense, restrict/control and eliminate this infectious agent.

The work will be developed at Instituto de Investigação e Inovação em Saúde - i3S, Porto, Portugal.

**Selection committee:**

Didier Cabanes (PhD), Sandra Sousa (PhD) and Francisco Mesquita (PhD)

**Grant conditions:**

Each Research Fellowship will be for 10 months and is expected to start in March 1<sup>st</sup> 2017. The fellowship amount is 980 euros, paid by bank transfer, preferentially.

(<http://alfa.fct.mctes.pt/apoios/bolsas/valores>)

**Legislation and applicable laws:**

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>)

**Application procedure:**

To apply for the Research Fellowships interested candidates must hold a Master degree and submit the following documents a) Complete CV; b) Letter of Motivation; and c) Master Certificate, *via* the online application system:  
<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=Norte2020HOST16>

Applications are open from 16 January to 10 February 2017.

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