

**IBMC - Instituto de Biologia Molecular e Celular**

**BIC - Bolsa de Iniciação Científica (m/f)**

**Internal Code:** Norte2020HOST35

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

IBMC/i3S is opening **1 (one) BIC Fellowship** to join its Research Program in Molecular biology of host-pathogen interactions and responses.

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

**Admission Requirements:**

We are looking for Master students in Microbiology, Biology, Biochemistry or related fields with experience and some autonomy to work on Microbiology, Molecular and Cellular Biology and Biochemistry. 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.

**Group:** Molecular Microbiology

**PI:** Didier Cabanes

**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”, we aim to use *Listeria monocytogenes* to provide targets to innovative approaches diminishing infectivity and reinforcing host defences to control infection. We analyse 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.

**Workplace:** The work will be developed at the Group of Molecular Microbiology, Instituto de Investigação e Inovação em Saúde - i3S, Porto, Portugal.

**Duration:** The BIC Fellowship will be for 5 months and is expected to start on August 1st, 2019.

**Monthly remuneration** Monthly remuneration is 388,81 euros accordingly to established remuneration values, paid by bank transfer, preferentially.  
(<http://alfa.fct.mctes.pt/apoios/bolsas/valores>)

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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:**

Didier Cabanes PhD; Sandra Sousa, PhD; and Rita Pombinho, PhD

**Selection criteria:** Only candidates that fulfill all the requirements and presented all the supporting documents will be considered. Candidates will be ranked by evaluation of curricular achievements (40%), relevance of previous laboratory experience to the proposed project (40%) and motivation letter (20%).

Applications are open from 3 to 17 July 2019 .

To apply for the Research Fellowship interested candidates must submit the following documents: a) Complete and detailed CV; b) Copy of Degree Certificate; and c) Letter of Motivation in English, *via* the online application system:  
<http://www.ibmc.up.pt/gestaocandidaturas/index.php?codigo=Norte2020HOST35>

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