

**INSTITUTO DE MEDICINA MOLECULAR
JOÃO T. BARATA LAB
Av. Prof. Egas Moniz
Edifício Egas Moniz
1649-028 Lisboa
Phone: +351 217 999 411
Fax: +351 217 999 412**

**CALL FOR A RESEARCH FELLOWSHIP
Reference of Fellowship IMM/BI/6-2016**

Instituto de Medicina Molecular opens a call for a Research Fellowship (Cell/Molecular Biologist position) financed by the European Research Council under the research project "**IL-7/IL-7R signaling networks in health and malignancy**" (ERC CoG-648455).

Work Plan and Goals

Roughly nine percent of T-cell acute lymphoblastic leukemia (T-ALL) pediatric patients display somatic mutations in the gene that encodes the interleukin 7 receptor (*IL7R*), leading to constitutive signaling. Whether these mutations are oncogenic *per se* or require other cooperating events remains to be determined. The selected candidate will be involved in the in-depth characterization of the intrinsic IL-7/IL-7R signaling network by performing transcriptomics analysis (and complementary analysis) in normal thymocytes, patient samples and established cell lines.

Scientific Area: Health Sciences - Oncobiology

Candidate's Profile

- Master degree in Human Molecular Biology
- Previous experience in IL-7 signal transduction in T-ALL cells (primary samples and cell lines) (mandatory)
- High quality publication(s) in the field of T-ALL and especially in IL-7R-related leukemia
- More than 3 years hands-on experience of all the following techniques (mandatory):
 - Flow Cytometry and FACS sorting;
 - Cell culture;
 - Quantitative PCR;
 - Western blotting
- Experience of:
 - RNA extraction and preparation of libraries for RNA sequencing;
 - Manuscript preparation.

Duration: Full-time, 12 months, eventually renewable not exceed the eligible period of the project.

Law and Regulation: Research Fellowship Statute (Law nr 40/2004, from August 18th, republished in attach to Decree-Law nr 202/2012, from August 27th), IMM Regulation Fellowship and IMM Lisboa Career By-Law

Predicted Start Date: March, 2016

Workplace and Scientific Orientation: The work will be developed at João Barata's Lab at IMM Lisboa under his supervision.

Fellow Monitoring Centre: The monitoring centre is open on Tuesdays and Thursdays from 10am to 12pm, at Human Resources Office of IMM Lisboa.

Monthly Remuneration: The net monthly remuneration is **980€** (tax free), according to the values defined in the applicable regulations. The amount will be paid through bank transfer. In addition, social security will be fully covered.

Necessary Documents for Applications

- 1) Detailed CV, including list of publications;
- 2) A motivation letter with a short description of previous research experience with relevance to the project, main scientific achievements, and why you believe we should hire you.

All documents must be in PDF format and sent by email to imm-hr@medicina.ulisboa.pt.

The not complying with these requirements determines the immediate rejection of the application.

Selection Method: Motivation letter (30%) and CV evaluation (70%), based on published articles and respective impact factor, field in which the articles were published (in particular IL-7/IL-7R in T-ALL), previous lab experience with methodologies of relevance to the project, and general adequacy of the track record to the project.

Evaluation: Applications will be evaluated by a jury composed of Drs. João Taborda Barata, Ana Rita Fragoso and Isabel Alcobia.

Deadlines and Presentation of Applications: The application call is open from **February 10 until February 23, 2016.**

Applications must be addressed to imm-hr@medicina.ulisboa.pt, with all documents detailed above in PDF format, indicating the reference of Fellowship. **Not complying with these requirements determines the immediate rejection of the application.**

Notification of Results

The results will be published at <https://imm.medicina.ulisboa.pt/en/job-opportunities/results/> and posted at the entrance lobby of the Institute.

Lisbon, January 26, 2016

The Executive Director of Instituto de Medicina Molecular
Professor Maria Manuel Dias da Mota