

INSTITUTO DE MEDICINA MOLECULAR
Av. Professor Egas Moniz
Edifício Egas Moniz
1649-028 Lisboa
Phone: +351 217 999 411
Fax: +351 217 999 412

CALL FOR A POSTDOCTORAL RESEARCH FELLOWSHIP
Reference of Fellowship IMM/BPD/73-2016

The Instituto de Medicina Molecular (iMM Lisboa) opens a call for a Postdoctoral Research Fellowship with the funding support from the Swiss National Science Foundation under the project entitled "***The multiple roles of TERRA in telomere length maintenance, telomere integrity, cancer and cellular senescence***" (31003A_160338).

Work Plan and Goals

- To generate human cell lines KO for RNA metabolism enzymes using CRISPR/Cas9
- To perform high-end microscopy using mammalian cultured cells to localize RNA and DNA metabolizing enzymes at telomeres
- To perform molecular biology experiments using cultured mammalian cells and tumor samples
- To set up model system organism proof of principle experiments to test small molecule inhibitors of telomere transcription

Scientific Area: Biochemistry, Cell Biology, Molecular Biology

Candidate's Profile

- PhD in biology or related areas
- Publications in high profile, peer reviewed international scientific journals
- Extensive experience in molecular biology and cell biology laboratories (at least 10 years of Postdoctoral experience)
- Extensive experience in RNA biology (RNA extraction and manipulation, northern blotting, qRT-PCR, transcriptome sequencing, etc...)
- Advanced knowledge in fluorescence microscopy, confocal microscopy and live cell imaging
- Deep understanding of (possibly experience with) super-resolution microscopy
- Deep interest and experience in mammalian genome stability and in particular chromosome end protection in cancer
- Excellent knowledge of English (spoken and written)
- Excellent skills in writing scientific papers and grant applications
- Excellent communication and team spirit
- Excellent skills and proven experience in supervising younger Postdocs and PhD and Master students
- Critical mind, proactivity and independence
- Academic career orientation

Duration of Fellowship: 12 months on an exclusive basis and eventually renewable until the end date of the project.

Laws and Regulation: Estatuto do Bolseiro de Investigação (Lei nr 40/2004, de 18 de Agosto, republished in attachment to Decreto-Lei nr 202/2012, de 27 de Agosto), Regulation of Fellowships of iMM Lisboa and Career By-Law and Assessment Regulation of iMM.

The iMM undertakes to ensure compliance with the principles of non-discrimination and equality and provides that no candidate can be privileged, benefited, harmed or deprived of any right or exempted from any duty due, in particular, from ancestry, age, gender, sexual orientation, marital status, family status, economic status, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic disease, nationality, ethnic origin or race, place of origin, language, religion, political or ideological convictions and syndical association membership.

Predicted Start Date: October, 2016

WorkPlace and Scientific Orientation: The work will be developed at Claus Azzalin Lab of iMM Lisboa under the supervision of Claus M. Azzalin, PhD.

Fellow Monitoring Centre: The monitoring centre works on Tuesday and Thursday from 10am to 12pm, at Human Resources of iMM Lisbon.

Monthly Remuneration: The net monthly remuneration is **2334€**, according to the applicable regulation. The amount will be paid through bank transfer.

Necessary Documents for Applications

- Motivation Letter (include detailed description of previous laboratory experience)
- Detailed CV
- Academic Certificate degree

The non-compliance with these requirements determines the immediate rejection of the application.

Evaluation: Applications will be evaluated by a jury composed by Professors Claus Azzalin, Bruno Silva Santos and Maria Mota (all PhD's).

Selection Method: The candidate will be selected based on detailed analysis of the CV and studiorum (50%) and motivation letter (50%).

Deadlines and Submission of Applications: The call will be open for 10 working days, **starting on 11th July and ending on 22nd July, 2016.**

Applications should be sent to iMM Human Resources through the email imm-hr@medicina.ulisboa.pt, indicating the reference of fellowship (mandatory). **The non-compliance with these requirements determines the immediate rejection of the application.**

Communication 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, 24th June, 2016

The Executive Director of iMM Lisboa
Professor Maria Manuel Dias da Mota, PhD