



Evolution and biotechnology applications of RNA modifications

A 2-year Post-Doc contract is available to join the Luisa Figueiredo laboratory at Instituto de Medicina Molecular, in Lisbon. Funding is provided by La Caixa foundation.

We are looking for a highly-motivated scientist, holding a PhD in life sciences, interested in RNA biology. In the last decade, RNA modifications have been identified as key players in regulation of gene expression. By studying an ancient organism (*Trypanosoma brucei*), we discovered that poly(A) tails can be methylated and modulate messenger RNA stability (Viegas I et al., bioRxiv, 2020). The goals of this project are to characterize the evolution of poly(A) modifications and to investigate their biotechnological applications.

The position is available from February 2022. The stipend will be determined according to the candidate's experience. This project involves collaborations with Samie Jaffrey's laboratory, at Weill Cornell Medicine, New York. Experience in RNA biology is desired.

Our laboratory has been running for 11 years and is currently composed of 11 researchers (2 Masters student, 5 PhD students, 4 Post-docs) of 3 different nationalities, with a common interest in African trypanosomes. We cover a diverse range of projects including different aspects of molecular and cellular biology from the parasite and host perspectives. We are also interested in regulation of gene expression by lncRNAs. Over the years, we have been funded by Howard Hughes Medical Institute, European Research Council, EMBO, La Caixa and FCT.

Applications should be submitted to Luisa Figueiredo (lmf@medicina.ulisboa.pt) and Leonor Pinho (lpinho@medicina.ulisboa.pt). Application must include: a motivation letter, a short CV and contacts of two references. Letters of reference from qualifying candidates will be requested if necessary. Candidates should have first-author publication(s) in peer-reviewed, international scientific journals.

Call closes Nov 24th 2021.

Learn about us:

<https://imm.medicina.ulisboa.pt/investigation/laboratories/luisa-figueiredo-lab/@luisamfigueired>

Check here why we are the world's coolest parasitology lab: <https://youtu.be/W9bDh5Ww9u0>