

## iMM is recruiting a Bioinformatician under an Employment Contract

### Reference IMM/CT/65-2023

The iMM – Instituto de Medicina Molecular João Lobo Antunes is a leading Portuguese private non-profit research institute that offers a vibrant scientific environment, aiming to nurture innovative ideas in basic, clinical and translational Biomedical Research. Created in 2002, iMM Lisboa has established itself as a leading national and internationally competitive biomedical institute. Its strategy has been defined by promotion of excellence, leveraged by high-quality human resources, increasing expenditure in infrastructures and knowledge transfer to the society.

**What iMM seeks:** At this moment, iMM is looking for a Bioinformatician to join the Biology & Physiology of Malaria Laboratory coordinated by Doctor Maria Mota, under the research project ***“Plasmodium liver stage schizogony: high replication and genetic diversity”***, funded by **European Commission**, under the supervision of Maria Mota.

#### Work Plan Activities

- Analyze and interpret large-scale genomic, transcriptomic, or proteomic datasets to derive meaningful insights;
- Develop and implement computational pipelines and analytical workflows for data processing, analysis, and visualization;
- Collaborate with researchers to design and optimize experiments, including study design, sample size estimation, and data collection strategies;
- Apply statistical and computational techniques to identify patterns, correlations, and potential biomarkers from complex biological datasets;
- Integrate multiple data types and perform data integration and mining to uncover novel relationships and biological mechanisms;
- Independently design and lead bioinformatics projects, and assist in grant writing and securing funding.
- Contribute to the development of new methodologies and computational tools to address research challenges.

#### Profile of Candidate

- Ph.D. and/or Master's degree in bioinformatics, computational biology, computer sciences, or a related field;
- Proficiency in analyzing large-scale genomic, transcriptomic, or proteomic datasets, with experience in relevant software tools and programming languages (e.g., R, Python, Perl);
- Strong statistical and data analysis skills, with expertise in applying bioinformatics methods and algorithms;

- Familiarity with databases, data integration techniques, workflow managers (e.g. Snake), and machine learning approaches;
- Ability to work independently and collaboratively in a multidisciplinary research environment;
- Excellent problem-solving skills and attention to detail;
- Good communication skills to interact with researchers and present complex findings in a clear and understandable manner;
- Experience in project design and grant writing would be an advantage.

**What iMM offers:** iMM will offer outstanding working conditions in this area in Portugal, including a full-time contract, starting predictably in October 2023, and the possibility to work in the interface of research and research support facilities.

**Working Conditions:** - Employment contract; - Annual salary will be determined according to the candidate's experience, in accordance with the project budget and iMM Career By-Law. The indicated amount will be subject to the mandatory taxes accordingly to Portuguese Labor Law.

**How to apply:** Please submit your Master's and/or PhD Certificate, Motivation Letter, Detailed CV and contacts of 2 references in PDF format through iMM website by clicking in the **"Apply"** button below the position job ad, **from 21<sup>st</sup> of August of 2023 until 8<sup>th</sup> of September of 2023.**

**Note:** *Candidates who incorrectly formalize their application or do not submit the documents proving the compliance with the requirements indicated in the call will be excluded. The jury has the right to require to any candidate, in case of doubt, to present documents proving their statements.*

**Non-discrimination and equal access policy:** iMM promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

**International environment and experience:** Diversity is a fundamental aspect of the essence of iMM, where researchers and non-researchers of different nationalities, backgrounds and areas of study work together, promoting the exchange of experiences and interactions, contributing to the personal and professional development of each person and to the existence of an international, inclusive and stimulating environment.

Pursuant to Decree-Law nr 29/2001 of 3<sup>rd</sup> February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honor, their respective disability degree, type of disability and communication / expression means to be used during selection period on their application form, under the regulations above.

**Evaluation Criteria:** Applications will be evaluated by Doctors Maria Manuel Mota, Inês Fernandes Bento and Ana Margarida Almeida, in accordance with the following method:

- 1<sup>st</sup> Phase: Curricular evaluation: 60% and Motivation Letter: 10%. Only candidates with an evaluation above 50% will be evaluated on second phase;
- 2<sup>nd</sup> Phase: Interview: 30%

**Results:** Both admitted and excluded candidates list and final classification list shall be posted at IMM website at <https://imm.medicina.ulisboa.pt/jobs/#results> and all admitted candidates will be notified by email.

**Preliminary Hearing and Final Decision Deadline:** After notification, all candidates have 10 working days to respond. Panel's final decisions are pronounced within a period of 90 days, from application deadline.

The present call is exclusively aimed at filling the indicated vacancy and may be terminated until the homologation of the final candidates' ranking list and expires with the respective occupation of the position on offer.

**Lisbon, 18th August 2023**

