

Post-doctoral fellowship at GHTM/IHMT

A post-doctoral fellowship position is open within the framework of the project "ZIKAlliance: A global alliance for Zika virus control and prevention", funded by European funds through the Horizon 2020 Program of the European Commission.

Scientific area: Life Sciences and Health; Experimental Biology - Genetics and Genomics

Admission requirements: PhD in the area of Biomedical Sciences or Biological Sciences. Preference will be given to candidates who demonstrate: (i) research experience in molecular genetics, in particular gene expression studies, transcriptomic and functional genomics analyzes, (ii) mastery of RNA-based techniques (e.g. real time RT-PCR, expression microarray, RNA-seq) and in DNA genotyping; iii) knowledge in the field of entomology, with emphasis on insecticide resistance.

Activity plan: The researcher will develop studies on mechanisms of insecticide resistance in natural populations of *Aedes aegypti* and *Aedes albopictus* mosquitoes, vectors of arbovirus such as Zika, Dengue and Yellow Fever. These studies will allow the investigation of the genes associated with the resistance phenotype in these mosquitoes, with the objective of developing new resistance monitoring methods and improving the rational use of insecticide in the control of these mosquitoes.

Place of work: The work will be developed at the Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa. Rua da Junqueira 100, 1349-008 Lisbon, Portugal.

Duration: 16 months, starting in March 2018.

Regulation: *Lei n.º 40/2004, de 18 de Agosto (Estatuto do Bolseiro de Investigação Científica); Regulamento de Bolsas de Investigação do Instituto de Higiene e Medicina Tropical (Diário da República, 2ª série, nº 70, de 10 de Abril de 2007, alterado pelo Regulamento n.º 229/2010 publicado no Diário da República, 2.ª Série, n.º 49, de 11 de Março de 2010).* Available at <http://www.ihmt.unl.pt>.

Stipend: 1495.00€ per month, according to the table of values for fellowships awarded by FCT (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>), plus Voluntary Social Security.

Selection Methods: Curricular evaluation (70%): research experience in the area of molecular genetics, domain of RNA and DNA based techniques, knowledge in medical entomology. Interview (30%): knowledge and experience in the area of molecular genetics and functional genomics, motivation for developing functions in the project, mastery of the English language.

Composition of the Selection Jury:

- Dr. João Pinto, Assistant Professor at IHMT/UNL (President);
- Dr. Lenea Maria Campino, Full Professor at IHMT/UNL;
- Dr. Carla Alexandra Sousa, Assistant Professor at IHMT/UNL;
- Dr. Ricardo Parreira, Assistant Professor at IHMT/UNL (Substitute).

Publication/notification of results: results of the evaluation will be presented as a list ordered by final score obtained, posted in a visible and public place of the Instituto de Higiene e Medicina Tropical. All candidates will be notified of the results by e-mail.

Application deadline and documentation: Applications are open from December 21, 2017 to January 19, 2018.

Applications must be formalized by sending the following documents: copy of certificates of academic qualifications, *curriculum vitae* and letter of motivation, which must include the name and contact of two references that can be contacted by the President of the jury.

If the candidate is unable to obtain the supporting documents until the deadline for application, he/she may replace them by a term of responsibility and send the official documents as soon as they are available.

Without prejudice to the previous point, applications that at the date of the evaluation do not have all the requested documents will not be considered for evaluation.

Applications must be sent by e-mail, with delivery/receipt notice, to the following e-mail address: jpinto@ihmt.unl.pt, with the subject: Zika BPD-RES

All documents sent by e-mail should have a .doc or .pdf extension.