Job: Research fellowship (BI)
Reference: BIOPOLIS 2021-21
Main research field: Biological Sciences

A Research Fellowship (BI) (Reference BIOPOLIS 2021-21), in the scope of the research group EVOCHANGE – Genomics of Evolutionary Change, is available at CIBIO/Associação BIOPOLIS to develop work in evolutionary genomics, with Dr. José Melo-Ferreira as scientific coordinator.

Main research field: Biological Sciences.

Admission requirements: Candidates must hold a MSc degree in areas compatible with the work plan, with training in Biological Sciences or related fields, attending a doctoral program in the area of Biological Sciences and with relevant experience in the analysis of genomic variation data. We seek candidates with i) experience in analyses of high throughput DNA sequencing data; ii) relevant bioinformatic skills in population genomics analyses; iii) relevant programming expertise; iv) good verbal and written communication skills in English; and v) good communication and teamwork skills. The candidate’s Curriculum Vitae must be compatible with the work plan.

Working plan: Within the scope of the work, the following tasks will be developed: 1) modelling parameters of divergence between pairs of population of house mice (Mus musculus), based on genomic data, and reconstruction of their population history; 2) inference of the heterogeneity of evolutionary patterns along the genomes and identification of introgression and isolation tracts; 3) preparation of manuscripts.


Work Place: The work will primarily be carried out at the CIBIO-InBIO pole of Vairão, Vila do Conde, and may be partly performed remotely.

Duration of the fellowship: The fellowship will have duration of 3 months, potentially renewable for additional periods, starting on January.

Monthly stipend: Monthly stipend is €1,104,64 according to the stipends established by FCT, I.P. in Portugal (https://www.fct.pt/apoios/bolsas/docs/Tabla_Valores_SMM_LOE_2021.pdf). Payment will be made by bank transfer on a monthly basis. The successful candidate will also be entitled to the reimbursement of Social Security payments (Seguro Social Voluntário) and work insurance.

Selection criteria: Assessment will be made in accordance with admission requirements (see above) and will be based on: a) the relevance of previous experience (70%); b) the quality of the curriculum vitae (30%). The jury may not award the fellowship if the quality of the candidates is inferior to that intended.

Jury composition: The Jury will be chaired by Dr. José Melo-Ferreira (CIBIO), having as effective members Dr. Paulo C. Alves (CIBIO) and Dr. Miguel Carneiro (CIBIO) and substitute member Dr. Fernando Sequeira (CIBIO).

Publicity and communication of results: The ranking of applications will be published at a visible and public area of Institution facilities, and all candidates will be informed by email about the result of their application.
**Application:** The call for applications is open between **6/12/2021 to 20/12/2021** (24:00 GMT). The applications are formalized at the electronic address http://www.cibio.pt with following documents in a digital form, in PDF format: Curriculum Vitae, certificate of qualifications and document demonstrating attendance of a doctoral program (other supporting documents considered relevant can be included).