

Announcement
Research fellowship

Reference: FELLOW_BIPD/FCT_PROJ2020/I3S/13042604/2021

i3S – Institute for Research and Innovation in Health (heinafter i3) is opening a call to award a grant for the development of R&D activities by PhD’s with less than 3 years of postdoctorate, within the project EndoSWITCH, refª PTDC/BTM-ORG/5154/2020, financed by national funds through FCT – Fundação para a Ciência e a Tecnologia.

Host Institution: i3S - Instituto de Investigação e Inovação em Saúde, Porto, Portugal.

Scientific Area: Bioengineering.

Project Title: “Harnessing endothelial plasticity for therapeutic vascularization of ischemic tissues: a bioengineering approach”.

Workplans: The work will be carried out within the scope of Tasks 1 and 2 of the project. Specific goals include: 1) synthesis/characterization of biofunctionalized polymeric hydrogels with tunable biochemical/physical properties to be used as bioinks; 2) establishment of a microfluidic device by extrusion-based 3D printing.

The drafts of the contract fellowship and the evaluation report are available at the i3S Research Fellowships Regulation, published at <https://www.i3s.up.pt/job-opportunities.php>

Admission Requirements: Mandatory requirements - candidates should hold a PhD’s with less than 3 years of postdoctorate in Bioengineering, Materials Engineering, Polymer Chemistry, Biofabrication or related areas. Advanced knowledge in chemical modification of polymers, polymer characterization techniques (physicochemical/ mechanical properties), and 3D printing techniques. Preferential requirements: knowledge on microfluidics and 3D culture, excellent English communication skills.

In the event the doctorate degree was awarded by a foreign higher education institution, said degree must comply with the provisions of Decree-Law no. 341/2007 of 12 October, and all formalities established therein must be complied with at the signature of contract.

The Doctorate beneficiary of this type of fellowship cannot exceed, with the conclusion of the fellowship contract, an accumulated period of three years under this type of scholarship, continuous or not continuously calculated. The calculation of the three years period considers also all the host entities to which the Doctorate has been linked by a postdoctoral fellowship.

Legislation and other applicable regulations: Research Fellowship Holder Statute enacted by Law no. 40/2004 of August 18th, as amended; FCT Research Grants Regulation, approved by way of Regulation nr. 950/2019, published in the II Series of DR of December 16th, 2019; i3S Research Grants Regulation.

Place: The research activities will be hosted at i3S, under the scientific coordination of Professor Cristina Barrias.

Length time: The duration of the fellowship is 12 months, eventually renewable. The expected starting date is may 2021.

Monthly maintenance stipend: €1.646,00, according to the values table of FCT, at Portugal (https://www.fct.pt/apoios/bolsas/docs/Tabela_Valores_SMM_LOE_2021.pdf). The payments will be made by bank transference.

Research grants may also include other components, as the voluntary social insurance, under the terms of the Research Fellowship Holder Statute, article 10.

Evaluation Criteria: The selection will be based on the scientific merit and research capacity of the candidates and will encompass two stages: 1) curricular evaluation (50% of the final score) through the analysis of the applicant's CV, research experience with relevance for the project work plan (as described in the Admission Requirements) and motivation letter; 2) the 3 most highly ranked candidates will be invited to an interview (50% of the final score). The final classification system for candidates is expressed on a scale from 0 to 100.

Evaluation Panel: President - Cristina Barrias, Panel members: Sílvia Bidarra, Rúben Pereira and Meriem Lamghari (substitute)

Information and Publicity of Funding Granted: The evaluation results will be published on the i3S website. The candidates will be notified by email. Candidates have a period of ten working days to, if they wish, to express their opinion at the prior hearing of the interested parties, by email rh@i3s.up.pt.

Applications: The call will be open between 13th april and 26th april. The applications must be submitted electronically at

https://dozer.i3s.up.pt/applicationmanagement/#/addapplications/FELLOW_BIPDFCT_PROJ2020I3S130426042021

The required documents composing the applications are: a) Copy of certificate or diploma; b) Detailed curriculum vitae, c) Letter of motivation in English;