



ref.ª SAI/2022/17

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Apply



27/12/2022

Job Information

Organisation/Company	NOVA Medical School
Research Field	Biological sciences » Biology
Researcher Profile	First Stage Researcher (R1)
Country	Portugal
Application Deadline	10/01/2023 - 23:59 (Europe/Lisbon)
Type of Contract	Other
Job Status	Other
Is the job funded through the EU Research Framework Programme?	Not funded by an EU programme
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

Research Grant (BI), for the conduct of R&D activities by a graduate with a Master degree enrolled in a course non-leading to an academic degree

ref.ª SAI/2022/17 - 1 vacancy

There is an open call for applications for a Research Grant (BI), for the conduct of R&D activities by a graduate with a Master degree enrolled in a course non-leading to an academic degree, under reference SAI/2022/17 in the scope of the project EXPL/MED-OUT/0599/2021, at the institution Faculdade de Ciências Médicas|NOVA Medical School (FCM|NMS) from Universidade NOVA de Lisboa (UNL), supported by income from the above mentioned project financed by the *Fundação para a Ciência e a Tecnologia, I.P.*, under the following conditions:

Field of study: Biomedicine

Admission requirements(eligibility criteria):

- Master Degree in the area of Biomedicine, Health Sciences, Biology or related fields;
- Enrolment in a course non-leading to an academic degree, in the area of Biomedicine, Health Sciences, Biology or related fields (The Proof of enrolment in a course non-leading to an academic degree could be obtained until contracting. The assessment made here will only take into account if the candidates meet the conditions for enrolling in a course non-leading to an academic degree.);
- Experience working with induced pluripotent stem cells (iPSCs)

Work plan:

Choroideremia (CHM) is an X chromosome recessive genetic disorder that leads to the degeneration of the retina, caused by mutations in the CHM/REP1 gene that encodes a Rab GTPase protein essential in the regulation of several cell trafficking pathways.

In this project, we will study the mechanisms of cell death involved in CHM with particular emphasis on retinal pigmented epithelium (RPE) cells. Particular importance will be given to the contribution of lysosomes to the molecular and cellular mechanisms of cell death in RPE cells using a cellular model of the CHM disease, namely RPE cells differentiated from patients' iPSC.

Legislation and applicable regulations:

The fellowship is legally framed by the Research Fellowship Holder Statute and the FCT Regulation for Research Studentships and Fellowships in force.

Place of work:

The work will be carried out at Molecular Mechanisms of Disease Research Group of Faculdade de Ciências Médicas|NOVA Medical School (FCM|NMS) from Universidade NOVA de Lisboa (UNL), under the scientific supervision of Dr. Pedro Antas and Dra. Ana Sofia Falcão.

Fellowship duration and predicted start date:

The fellowship will last for 3 months and is expected to start on January 15, 2023.

The fellowship contract is eventually renewed for an equal period until the end of the project.

Monthly Scholarship Amount:

The monthly amount of the fellowship corresponds to € 1144.64 (one thousand one hundred and forty-four euros and sixty-four cents), paid monthly by bank transfer, according to the table of stipend values of FCT, I.P., in the country.

Selection Methods:

The motivation letter and CV of the candidates will be evaluated according to the weighting of the factors indicated below.

Preferential Factors and assigned values in %:

- Experience in IPS cells culture and their differentiation into retinal pigment epithelium - 20%;
- Advanced microscopy and image processing techniques, in particular, confocal microscopy - 20%;
- Experience in quantification macros of the Image J program - 20%;
- Experience in flow cytometry and Western Blot - 10%;
- Experience in computer programs for data analysis and processing (e.g. GraphPad Prism, INKscape, FlowJo) - 10%;
- Articles, scientific posters or oral communications relevant to the area - 10%;
- Motivation letter (in English) - 10%;

Candidates who have suitable expertise and skills sets for the position will eventually be invited for an interview accounting for 40% in the final classification.

Selection Jury:

- President of the Jury – Prof. Miguel Seabra, FCM|NMS;
- 1st Effective Jury Member – Dr. Pedro Antas, FCM|NMS;
- 2nd Effective Jury Member – Dra. Ana Sofia Falcão, FCM|NMS;
- 1st Alternate Jury Member – Dr. André Marques, FCM|NMS;
- 2nd Alternate Jury Member – Dra. Sandra Tenreiro, FCM|NMS.

Form of publicizing/notifying the results:

The results of the evaluation will be send by email to the candidates who submitted the application within the deadline. The candidates will also be notified by email that if they wish to comment at the prior hearing, they should present their comments by email within 10 working days.

Application deadline and form of presentation of applications:

The call is open from December 28,2022 to January 10, 2023 (*10 working days*), and is published on <https://euraxess.ec.europa.eu/> and in <https://www.nms.unl.pt/en-us/NMS/Join-NMS/Recruiting> (Portuguese and English versions on this website).

Applications have to be submitted by email, to rh.recrutamento@nms.unl.pt, mentioning the reference SAI/2022/17 in the Subject of the message.

Applications are formalized by sending a Letter of Motivation accompanied by the following documents: *Curriculum vitae*, Certificate of Qualifications, proof of enrolment in a course non-leading to an academic degree or statement on the CV or on the letter of motivation saying that the candidate wants to enter a course non-leading to an academic degree, and other supporting documents deemed relevant.

FCM|NMS reserves the right not to award the proposed grant if the candidates do not meet the requirements indicated in this announcement.

Lisboa, December 27, 2022

Requirements

Research Field	Biological sciences
Education Level	Master Degree or equivalent

Additional Information

Work Location(s)

Number of offers available	1
Company/Institute	Nova Medical School
Country	Portugal
City	Lisbon

Where to apply

E-mail	rh.recrutamento@nms.unl.pt
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Contact

City	Lisboa
Street	Campo Mártires da Pátria 130