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Aviso n.º 23990/2022



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Job Information

Organisation/Company	NOVA Medical School
Research Field	Biological sciences » Biology
Researcher Profile	Recognised Researcher (R2)
Country	Portugal
Application Deadline	05/01/2023 - 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

International selection competition procedure for the hiring of a PhD holder under Articles 18 and 20 of Decree-Law no. 57/2016, of August 29, as amended by Law No. 57/2017, of July 19

Pursuant to the provisions of article 11, paragraph 2, of Decree-Law no. 57/2016, of August 29, it becomes public that by Dean's decree of November 23, 2022, the opening of an international selection competition procedure was authorized for the completion of a PhD holder job vacancy for the exercise of scientific research activities, under the funding PTDC/BIA-BID/0681/2021, financed by Fundação para a Ciência e a Tecnologia, I.P. (FCT, I.P.), under an uncertain fixed-term employment contract, under the Labor Code, at Faculdade de Ciências Médicas|NOVA Medical School (FCM|NMS), Universidade NOVA de Lisboa (UNL).

1 - The work in the scope of the project PTDC/BIA-BID/0681/2021, is intended to perform the following functions:

a) Sequencing of single cell transcriptomes ("Single cell transcriptome sequencing"-scRNA) from *Drosophila melanogaster*.

b) Bioinformatic analysis of scRNA including the use of packages such as Seurat, Monocle and other relevant ones. Analysis of genetic ontology (eg PANTHER) and analyzes with Cytoscape.

c) Development of genetic tools to analyze gene function by gain-and-loss of gene function. Cloning and generation of transgenic RNAi lines, mutants, overexpression and fusions of fluorescent molecules in *Drosophila melanogaster*.

- d) Microdissection, immunofluorescence, smFISH and confocal microscopy of fixed and live tissues.
- e) Analyzes of *Drosophila* behavior in the larval or adult stages.
- f) Critical analysis of results and formulation of new hypotheses. Writing scientific articles and reports. Dissemination of scientific results at conferences and other dissemination channels.
- g) General laboratory maintenance tasks and laboratory supervision of students.

2 - General requirements of the application:

Candidates may be Portuguese nationals, foreigners and stateless persons, and should hold a scientific and professional curriculum that reveals an adequate profile for the activity to be developed, with the following requirements:

- a) Holder of PhD in Biomedicine or related areas.

3 - Specific requirements of the application:

The curriculum evaluation will take into account the following requirements:

- a) Experience demonstrated in the form of public papers in the preparation and single cell sequencing of *Drosophila* neuronal cells;
- b) Demonstrated experience (public articles and participation in specialized courses) in bioinformatics analysis of single cell transcriptomes, with experience in the use of Seurat, Monocle and analysis of GO Terms;
- c) Research experience using the *Drosophila melanogaster* model, including knowledge of the developmental biology of the brain of *Drosophila melanogaster*, knowledge of genetics and microdissection of *Drosophila melanogaster*, experience with flow cytometry;
- d) Publication of scientific articles in international indexed and peer-reviewed journals;
- e) Participation in national and international congresses in the form of poster presentations or oral communications;
- f) Participation in patents;
- g) Motivation and adequacy of the academic profile to develop a research project in the area of Neurobiology, brain development and neuronal maturation.

4 - Contracting:

The contracting is made through a fixed uncertain term work contract under the Labor Code, as a PhD holder, and is remunerated according to remuneration level 33 of the single remuneration table (TRU), pursuant to article 5 of Decree-Law no. 11-A / 2017, of December

29.

5 - Place of work:

The workplace is located on Faculdade de Ciências Médicas|NOVA Medical School (FCM|NMS), Universidade NOVA de Lisboa (UNL), at Campo dos Mártires da Pátria, 130, 1169 -056 Lisboa.

6 - Documents that must instruct the application:

i) Motivation Letter;

ii) Detailed curriculum vitae in accordance with the application requirements;

iii) Copy of doctoral certificate or diploma. If the authorization has been conferred by foreign higher education institution must be recognized by a higher education institution Portuguese, pursuant to the provisions of Decree-Law No. 66/2018, published in the Diário da República, 1st series, no. 157, of August 16, 2018, and any formalities established therein must be complied with up to the date of effectiveness of the contract;

iv) Other documents relevant to the assessment of the adequacy of the requested profile.

7 - Application deadline:

The applications, duly instructed with the documents referred to in item 6 of this Notice, must be submitted within 10 working days of the day immediately following the publication of this Notice in the Diário da República and must be sent by e-mail, indicating the reference in Title to the electronic address rh.recrutamento@nms.unl.pt

Applications can be submitted in Portuguese or English.

The deadline for submitting an application is 24 hours (00:00 hours in Portugal) of the last day of the term.

Non-compliance with the established application submission deadline, as well as the formalization incorrect application, determines the exclusion of the application. The exclusion decision is communicated to the candidates by email, for the purpose of holding the hearing of those interested.

False statements made by candidates will be punished under the terms of the law.

8 - Methods of selection and definition of the respective weights:

a) The curricular evaluation will be performed in a numerical scale ranging from 0 to 20 and will consider the items i) and ii) defined above ascribing the following ponderation: i) Motivation Letter (30%); ii) Detailed Curriculum vitae (70%).

b) If deemed necessary by the jury, the top three candidates will be selected for an individual interview.

c) In this latter case, the curricular evaluation will have a weight of 90% and the interview a weight of 10%. The final classification of each individual candidate will result from the average of the evaluations provided by the jury members.

d) In case there is no interview, the final classification will be equal to the classification obtained in the curriculum evaluation.

e) In the case of a tie, it is incumbent to the president of the jury to choose the candidate.

f) In accordance with Decree-Law no. 29/2001, of February 3, candidates with disabilities are favoured when equally classified. This prevails above any other legal preference. The candidates must declare their type and degree of disability in their motivation letter, as well as the means of communication/expression to be used in the selection process.

9 - In accordance with article 13 of Decree-Law no. 57/2016, of August 29, the Jury is composed as follows:

President of the Jury – Catarina Homem, Principal Investigator, Faculdade de Ciências Médicas|NOVA Medical School, Universidade NOVA de Lisboa;

1st Effective Member – César Mendes, Assistant Researcher, Faculdade de Ciências Médicas|NOVA Medical School, Universidade NOVA de Lisboa;

2nd Effective Member – Rita Teodoro, Invited Assistant Professor, Faculdade de Ciências Médicas|NOVA Medical School, Universidade NOVA de Lisboa;

1st Substitute member – Cláudia Almeida, Principal Investigator, Faculdade de Ciências Médicas|NOVA Medical School, Universidade NOVA de Lisboa.;

2nd Substitute member – Cláudia Santos, Principal Investigator, Faculdade de Ciências Médicas|NOVA Medical School, Universidade NOVA de Lisboa.

The Jury's deliberations are taken by reasoned nominal vote in accordance with the selection criteria adopted and disclosed, with no abstentions allowed.

10 - Participation of the interested parties and decision:

The final ordering is notified to the candidates, by email, so that they can comment on the purpose of holding the hearing for the interested parties, pursuant to article 121 and following of the Code of Administrative Procedure.

After the hearing of the interested parties, the jury assesses the allegations offered and approves the final ranking list of successful candidates.

The final deliberation of the jury is approved by the M.I. Rector of UNL, who is also responsible for decide on hiring.

11 - This Notice is advertised on the Bolsa de Emprego Público, at www.bep.gov.pt, on the first business day following its publication in the Diário da República, as well as on the <https://euraxess.ec.europa.eu> and on the electronic page of the Faculdade de Ciências Médicas|NOVA Medical School of the Universidade NOVA de Lisboa.

12 - In all that is not expressly provided for in this Notice, the procedure is governed, in particular, by the provisions contained in Decree-Law no. 57/2016, of August 29, as amended by Law no. 57/1017, of July 19, in Regulatory decree no. 11-A / 2017, of December 29, in the Constitution of the Portuguese Republic and in the Code of Administrative Procedure.

13 - Non-discrimination and equal access policy:

Faculdade de Ciências Médicas|NOVA Medical School, an organic unit of Universidade NOVA de Lisboa, actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, benefited, harmed or deprived of any right or exempt from any duty due, age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, language, religion, political or ideological convictions and trade union membership.

December 7, 2022. — The Director, Professor Helena Canhão.

Requirements

Research Field	Biological sciences » Other
Education Level	PhD 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	dr.recrutamento@nms.unl.pt
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Contact

City	Lisboa
Street	Campo Mártires da Pátria 130