

## Public Notice – Principal Investigator

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**Deadline: 06/10/2023**

*Pursuant to paragraph 1 (b) of article 21 of the Statutes of Universidade Nova de Lisboa, homologated by the Normative Dispatch no. 3/2020, of February 6, published in the DR, 2ª série, no. 26, of February 6, the Director of the Faculty of Science and Technology of Universidade NOVA de Lisboa, Prof. Doctor José Júlio Alves Alferes, makes it known that, by order of 03/07/2023, from the Rector of Universidade NOVA de Lisboa, Prof. João Sâágua, is open, for a period of 15 working days from the day immediately following the publication of this Notice in the Official Gazette, an international documentary competition, with internal reference “ERA Chair CryoEMOVA-Inv-Prin”, for the recruitment of 1 Principal Investigator, under an individual contract 393/2018 of June 28, in the scientific area of Biochemistry and subarea Cryo-electron microscopy (CryoEM), within the scope of the ERACHair project, CryoEM@NOVA, with the reference: 101087571, financed by the HORIZON-WIDERA-2022-TALENTS-01-01, a HORIZON Europe Program of the European Union.*

*This tender is governed by the provisions of Regulation no. 393/2018, of 28 June, (Regulation on the careers, recruitment and employment contracts of Researchers under the employment contract regime of the New University of Lisbon).*

*In compliance with paragraph h) of article 9 of the Constitution of the Portuguese Republic, Universidade NOVA de Lisboa, as an employer, actively promotes a policy of equal opportunities between men and women in access to employment and professional progression, scrupulously providing in order to avoid any and all forms of discrimination.*

### **I - Workplace:**

*Facilities of the Faculty of Science and Technology of Universidade NOVA, located on the Campus of Caparica, Almada*

### **II – Activities and Functions:**

*1. NOVA FCT has been awarded a Horizon Europe ERA Chair Action from Jan 2023 till Dec 2027 for the creation of a biological cryo-electron microscopy (cryoEM) laboratory called CryoEM@NOVA. The ERA Chair requires the hiring of an experienced cryoEM team leader to drive the actual set-up and implementation of the ERA chair program*

*2. The selected candidate will work as a Principal Researcher at FCT NOVA and will perform the following tasks:*

- a) Develop research in the area of Structural Biology, namely in high-resolution cryoEM structure solution in the context of drug discovery;*
- b) Set-up the entire cryoEM pipeline from sample preparation and cryo grid preparation to highly specialized storage and computation servers;*
- c) Participate in the conception of research and development programs and their translation into projects and applications for external funding;*

- d) *Coordinate and guide the implementation of research and development projects and services in the specific scientific area;*
- e) *Develop training actions in the scope of scientific research and the development of single particle analysis (SPA) cryoEM methodology;*
- f) *Supervise postdocs and graduate students and participate in the institution's PhD or MSc training programs.*
- g) *Have an active role in promoting international collaborations in the specific scientific area;*
- h) *Have an active role in science dissemination and public engagement activities.*

3. *The position to be filled within the scope of this international call is aligned with the Sustainable Development Goals (SDGs) of the 2030 Agenda, 9 - Industry, innovation and infrastructure and 3 - Quality health.*

### **III - Remuneration positioning:**

*In accordance with Regulation no. 393/2018, of 28 June, the contract to be signed will have the basic value of 3.738,45 € corresponding to the 1st remuneration position, remuneration level 62A.*

### **IV – Applicant Admission Requirements**

In accordance with paragraph 1 of article 11 of the Statute of the Scientific Research Career (ECIC - Decree-Law no. 124/99, of 20 April) of Portugal, it is a general requirement for applying to the present recruitment process, to hold a PhD degree and to have a relevant scientific curriculum in the area of the call.

*Therefore, candidates to the present recruitment procedure must hold:*

- *A PhD in the area of Biochemistry, Biophysics or related area;*
- *A scientific and professional curriculum showing a profile appropriate to the activity to be developed, including extensive international professional experience in CryoEM.*

### **V – Application instructions**

1. *The application must be instructed by filling in the respective application form, which is available at <https://www.fct.unl.pt/faculdade/concursos/investigadores>.*
2. *The application process must be accompanied by documentation in Portuguese or English.*
3. *The application should be submitted preferably by email, in person or by post, containing the following documents:*
  - a) *Curriculum vitae of the candidate, which must include:*
    - i) *The identifications “Researcher ID”, “Scopus Author ID” and “Google Scholar ID”.*
    - ii) *Research and development activities and all other activities considered relevant to this tender procedure, in accordance with the terms of this announcement.*
    - iii) *Scientific and technological development plan – the candidate must present, in a concise way (max. 2 pages), a scientific and technological development plan framed in the subject area of the competition, in accordance with the activities and functions to be performed and articulated with the*

*results of their scientific activity and previous professional experience, as well as their academic and professional training.*

*b) Certificate proving the Doctor's degree in the disciplinary area or similar to which the competition relates;*

*c) Published works, mentioned in the curriculum vitae, namely the most representative ones, with regard to their contribution to the development and evolution of the disciplinary area in which the competition is opened;*

*d) Declaration, under oath, that if the jury chooses to request the documentation indicated in the previous paragraphs or any other scientific documentation mentioned in the candidate's curriculum vitae, it will be delivered within 10 working days;*

*e) Other documents that candidates deem relevant for the analysis of their application.*

*4. 5. If a member who is not fluent in Portuguese participates in the jury, the pronunciation documents must necessarily be presented in English in the context of the prior hearing of candidates and complaints that must be considered by the jury.*

*5. In order to be valid, the applications must be accompanied by the documents listed in paragraph 3 otherwise they will be excluded.*

#### **VI – Presentation of the application**

*1. The documents supporting the application must be submitted by the 15th working day, counting from the day following the publication of this Notice in the Diário da República.*

*2. Candidates will submit their application documents by email to the following address: [div.rh.recruta.ndoc@fct.unl.pt](mailto:div.rh.recruta.ndoc@fct.unl.pt).*

#### **VII - Evaluation parameters**

*1. In this call the candidates' ability and performance will be evaluated in the various parameters under the terms of article 16 of ECIC.*

*2. The curricular evaluation of the various candidates in each of the parameters described below shall take into consideration the scientific area in which the call is open.*

*3. The parameters to be taken into consideration in the curricular evaluation of the candidates, in each of the sections, are as follows:*

*a) Quality of scientific and technical work (QSTW);*

*b) Professional experience and training (PET);*

*c) Contributions in scientific supervision activities (CSA);*

*d) Participation in management bodies (PMB);*

*e) Provision of services to the community (PSC);*

*f) Scientific and technological development plan (STDP).*

### **VIII - Interview**

1. *The Jury will deliberate at the first meeting on the need to carry out an interview with all the candidates.*
2. *The purpose of the interview is to obtain clarification or make explicit elements contained in the candidates' Curriculum vitae.*

### **IX - Classification by absolute merit of candidates**

1. *In accordance with paragraph 1 of article 27 of the ECIC, the jury will deliberate on the admissibility on absolute merit of the candidates, by justified nominal vote, expressed by the formulas Rejected or Approved.*
2. *Each member of the jury presents a justified rejection or approval proposal for each of the candidates, in accordance with paragraph 1 d) of article 19 of the ECIC.*
3. *The candidate who succeeds in obtaining a favorable vote of more than half of the members of the jury is considered approved on absolute merit.*

### **XI- Ordering and voting methodology**

1. Once the candidates who have passed in absolute merit have been identified, the jury will proceed to rank them in relative merit.
2. Each member of the jury shall perform a curricular evaluation of the candidates by presenting a written opinion, to be later included in the minutes, in which they propose the ordering of the candidates based on the evaluation criteria indicated in this notice, scoring each candidate for each criterion on a numerical scale from 0 to 100 points.
3. The evaluation criteria indicated shall be weighted as follows:

**a) Quality of scientific and technical work (QSTW): 20%**

-With emphasis on publications as first and/or corresponding author and demonstrated ability to obtain major national and international funding.

**b) Professional experience and training (PET): 50%**

-With emphasis on (1) the experience with setting up the complete cryoEM SPA workflow from membrane protein purification to cryo grid preparation & cryoEM data collection to computational analysis and (2) professional experience in the industry.

**c) Contributions to scientific orientation activities (CSA): 5%**

-Particularly the experience in the supervision and the advanced training of graduate and post-graduate training students in cryoEM (theoretical and hands-on), structural biology and biophysics.

**Participation in management bodies (PMB): 5%**

-International experience in project and group management.

**d) Provision of services to the community (PSC): 10%**

-With particular emphasis on the experience with drug discovery projects in collaboration with industry and in public awareness activities.

**e) Scientific and technological development plan (STDP): 10%**

Quality of the proposed scientific and technological development plan for the next 5 years.

4. The ordering of the Approved candidates is done by voting of the members of the jury, respecting the ordering presented in the opinion referred to in the previous number, in the following terms:

- a) The first vote is intended to determine the candidate to be placed in first place;
- b) In the voting referred to in the previous paragraph, if a candidate obtains more than half of the votes to be placed in first place, he will be ranked in this position;
- c) If the situation referred to in the previous paragraph does not occur, a new vote is held, only among the candidates who obtained votes for 1st place, after removing the candidate least voted for that place in the previous vote;
- d) If there is more than one candidate to be withdrawn, due to an equal number of votes, with a minimum of one vote each, a vote is held only on these candidates to determine the candidate to be withdrawn from the next vote; in this voting, each member will vote, among the candidates with equal votes, for the candidate who occupies the lowest position in the ordering contained in his/her opinion;
- e) If there is a tie, the tiebreaker is done through the tiebreaker vote or casting vote of the president of the jury, under the terms of paragraph 3 of article 19 of the ECIC.
- f) Voting is repeated until it is determined, by the procedure described above, which candidate to rank first. If there are only two candidates left and each one of them gets half of the votes, the tiebreaker is done through the casting vote of the president of the jury;
- g) Once the candidate for first place is chosen, he is removed from the voting and the whole process is repeated for second place and so on until an ordered list of all candidates is obtained.

**XII – Notifications and Hearing of Interested Parties**

1. *There is a prior hearing, under the terms of the Code of Administrative Procedure, of candidates who have been rejected, and of candidates ordered in place of the ordering list of candidates that cannot be provided in the job position in the competition. All candidates are notified of the homologation of the jury's final deliberation.*
2. *Notifications are made by email.*
3. *The tender process can be consulted by the candidates, at the Human Resources Division of FCT NOVA, under the terms indicated in the aforementioned notification.*

**XIII – Jury composition**

*President: Doctor José Júlio Alves Alferes, Full Professor and Dean of the Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa, por delegação de competência.*

*Vogais:*

*-Doctor Maria Joao Romao, Full Professor at the Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa*

*-Doctor Manuel Prieto, Full Professor (retired) at Instituto Superior Técnico da Universidade de Lisboa*

*-Doctor Nenad Ban, Full Professor at the ETH Zürich, Switzerland*

*-Doctor Holger Stark, Professor at the Max Planck Institute for Multidisciplinary Sciences (MPIMS), Germany*

*- Doctor Herbert Nar, Director of Structural Research at Boehringer Ingelheim, Germany*

**Data Protection**

*In accordance with the RGPD – General Data Protection Regulation, the data collected will be processed exclusively for the processing of the application.*

The present Notice is published for the record.

The Dean, Prof. Doctor José Alferes.