

**PUBLIC NOTICE OF OPENING OF AN INTERNATIONAL RECRUITMENT
COMPETITION FOR ONE PHD HOLDER FOR THE PROJECT “TRAITOR -
TRACKING TRANSGENERATIONAL EPIGENETIC INHERITANCE OF
METABOLIC DISEASES TRANSMITTED VIA OVERWEIGHT OR OBESE
FATHERS”, AT ICBAS-UP (FIXED-TERM CONTRACT)**

1. The Dean of the Institute of Biomedical Sciences of Abel Salazar of the University of Porto (ICBAS-UP) approved in January 20, 2021, the opening of an international recruitment competition for a PhD holder to carry out research in the area of Biomedical Sciences, by means of an individual fixed-term employment contract (“contrato individual de termo resolutivo incerto”) under the Portuguese Labour Code. The successful candidate will work in the research project “TRaitor - Tracking TRAnsgenerational epigenetic Inheritance of metabolic diseases Transmitted via overweight or obese fathers”. The project is funded by FCT, with the reference PTDC/MEC-AND/28691/2017.

The purpose of this contract is to perform the following tasks:

- a) Establish animal models for metabolic diseases;
- b) Establish the metabolic profile of Sertoli cells and spermatozoa by NMR;
- c) Characterize the expression and activities of transporters and enzymes related to cell metabolism;
- d) Use molecular biology techniques to identify markers for sperm quality;
- e) Validate biomarkers identified in human spermatozoa and Sertoli cells;
- f) Perform advanced statistical analysis.

Termination of the project or termination of the financing shall determine the expiration of the contract.

2. Applicable law

Decree-Law No. 57/2016, of August 29, the regulations for hiring PhD holders to stimulate scientific and technological employment in all areas of knowledge (RJEC), with the amendments introduced by Law No. 57/2017, dated July 19, also taking into account the provisions of Regulatory Decree No. 11-A/2017, of December 29; Regulamento do pessoal de investigação, de ciência e tecnologia da Universidade do Porto – Regulamento n.º 487/2020; Portuguese Labour Code, approved by Law No. 7/2009, of February 12, in its current wording.

3. Under the terms of Article 18 of RJEC, the present competition is exempt of: i) authorization from the Government officials in charge of the areas of Finance and Public Administration, as specified in

point 3 of Article 7 of the Public Service Labour Law (“Lei de Trabalho em Funções Públicas – LTFP”); ii) prior favourable opinion from the Government officials in charge of the areas of Finance and Public Administration (as specified in point 5 of Article 30 of the LTFP); and iii) the legal procedure for the recruitment of workers in the process of requalification, as specified in Article 265 of the LTFP.

4. In compliance with Article 13 of RJEC and Article 22.º of Regulamento n.º 487/2020, the selection panel of this competition is composed as follows:

Chair:

Professor Doutor Artur Manuel Perez Neves Águas, Professor Catedrático e Vice-Presidente do Conselho Científico, ICBAS

Jury Members:

Professora Doutora Branca Maria Cardoso Monteiro da Silva, Professora Associada com agregação, Faculdade de Ciências da Saúde, Universidade da Beira Interior;

Professor Doutor Carlos Pedro Fontes Oliveira; Professor Auxiliar, Departamento de Química, Universidade de Aveiro;

Professora Doutora Lídia Mariana Rodrigues Pereira Monteiro, Professora Associada, ICBAS;

Doutor Marco Aurélio Gouveia Alves, Investigador Auxiliar, ICBAS;

Alternate member:

Professor Doutor Rui de Albuquerque Carvalho, Professor Associado com agregação, Universidade de Coimbra.

5. The workplace shall be at Instituto de Ciências Biomédicas Abel Salazar da Universidade do Porto.

6. The monthly remuneration to be paid is of €2.134,73, corresponding to level 33 of the Single Salary Table, approved by Order no. 1553-C/2008 of December 31 and level 5, position 1 from the Regulamento n.º 487/2020.

7. The competition is open to national candidates, foreigners and stateless persons who hold a doctoral degree in Biomedical Sciences or related areas and a scientific and professional path that reveals an adequate profile to the activity to be developed.

If the candidate holds a doctoral degree awarded by a foreign higher education institution, it must be recognized by a Portuguese higher education institution, in accordance with the provisions of article 25 of Decree-Law no. 66/2018 of 16 August, which approves the legal regime for the recognition of academic degrees and higher education diplomas awarded by foreign higher

education institutions and Article 4 (2) (e) of Decree-Law no. 60/2018 of 3 August, and any formalities established therein be fulfilled up to the date of the contracting act.

8. According to Article 5 of RJEC, the selection is made through the evaluation of the scientific and curricular path of the candidates.

9. The evaluation of the scientific and curricular path of the candidates focuses on the relevance, quality and timeliness of:

- a) The scientific–production of the last five years considered to be more relevant by the applicant;
- b) The applied or practice-based research activities developed over the last five years and considered as having the greatest impact by the candidate;
- c) The activities of extension and dissemination of knowledge developed during the last five years, considered to be of greater relevance by the candidate.

10. The period of five years referred to in the previous number may be increased by the selection panel, at the request of the candidate, when justified in suspending the scientific activity for socially protected reasons, namely for reasons of parental leave, serious illness prolonged work, and other situations of unavailability for work legally protected.

11. Special requirements for admission:

- a) Experience in animal experiments, preferably with the course in laboratory animal Science (Felasa, category C);
- b) Experience in cellular and molecular biology techniques (cell cultures, PCR, Western Blot, Microscopy, Enzymatic assays);
- c) Experience in cell culture;
- d) Experience in metabolic studies.

12. The preferred requirements are:

- a) Experience in Biology of reproduction, with ability to perform cell cultures, particularly of Sertoli cells and evaluation of sperm parameters;
- b) Experience with laboratory animals;
- c) Experience in the evaluation of expression and function of enzymes involved in membrane transport;
- d) Experience in NMR data handling;
- e) Proficiency in English;

f) Immediate availability (to mention in motivation letter)

13. Evaluation methods are: scientific and curricular path

C1) Academic, scientific, technical and professional curriculum, and its adequacy to the work program - 35%;

C2) Laboratory experience in relevant techniques for the development of the project, namely in cell and molecular biology techniques (Cell cultures, PCR, Western Blot, Microscopy, enzymatic assays) - 25%;

C3) Experience in animal science - 10%;

C4) Experience in metabolomics and cell metabolism (particularly using Nuclear Magnetic Resonance) - 15%;

C5) Experience in transmembrane transport study techniques - 10%;

C6) Proficiency in the English language – 5%.

The Interview (E) will be conducted to a maximum of three of the best placed candidates after the curriculum evaluation, and is intended solely to clarify aspects related to their research, weighing 10 % for final rating.

14. The final score (FS) to each of the candidates is expressed on a scale of 0 to 100 points.

$$FS = 0,35 C1 + 0,25 C2 + 0,1 C3 + 0,15 C4 + 0,1 C5 + 0,05 C6$$

$$FS \text{ with interview} = (0,35 C1 + 0,25 C2 + 0,1 C3 + 0,15 C4 + 0,1 C5 + 0,05 C6) * 0,90 + 0,10 * C7$$

15. The selection panel will make decisions based on the selection criteria above using nominal voting (voting by roll call). Abstentions are not allowed.

16. Minutes of the selection panel meetings will be drawn up containing a summary of what has taken place in them, including the votes cast by each of the members and respective justification. Minutes will be available to the applicants if requested.

17. When the selection procedure has been concluded, the selection panel will elaborate a sorted list of successful candidates based on the obtained scores.

18. The final decision of the jury is approved by the maximum leader of the institution that also decides on the hiring.

19. Submission of applications:

19.1. Candidates must submit their applications, addressed to the Chair of the selection panel, identifying the competition they are applying to, full name, affiliation, number and date of issue of identification card, citizen's card, or passport, tax identification number, date and place of birth, home and contact address, including e-mail address and telephone number.

19.2. Applications must include all supporting documents that prove that the conditions set out in the requirements (points 7 to 12) are fulfilled, in particular:

- a) Copy of PhD certificate or diploma;
- b) Documents confirming the conditions described in points 11 e 12;
- c) Detailed Curriculum vitae;
- d) Motivation letter written in English;
- e) Other supporting documents that the applicant considers relevant for the assessment of its merit.

19.3. Applicants submit their requirements and supporting documents in PDF format to the electronic address candidaturasrh@sp.up.pt, and also to peessoal@icbas.up.pt and alvesmarc@gmail.com In the subject of the message, please include the reference of the post "ICBAS | 1 Investigador/a Doutorado/a | Traitor"

19.4. Applications must be submitted by 11.59 pm (local time) on the 10th working day following the publication of this notice in the 2nd series of the Diário da República, on the Bolsa de Emprego Público, on the Eracareers portal, on the University of Porto's Recruitment page and ICBAS website).

20. Candidates whose applications are not properly completed or who fail to fulfil the requirements established in the call are excluded from admission. In case of doubt, the selection panel is entitled to request further documentation to support the applicant's declarations.

21. False statements provided by applicants are punishable by law.

22. The minutes regarding the evaluation phases will be sent by email to the address provided by the candidates on their Curriculum Vitae.

23. Prior hearing and deadline for final decision: in compliance with the provisions of the Article 121 of the Code of Administrative Procedure ("Código do Procedimento Administrativo"), after being notified, candidates have 10 working days to submit a formal rebuttal. p to a maximum of 90 days

counted from the deadline for submitting applications, the selection panel will have passed the final decisions.

24. This selection is exclusively intended to fill this available position. It may be closed at any time before the legally binding homologation of the final ranking lists, and will expire when the position is filled.

25. ICBAS-UP actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, benefited, disadvantaged or deprived of any right or exemption from any duty owing, in particular, to ancestry, 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, territory of origin, language, religion, political or ideological beliefs and trade union membership.

26. The selection panel approved this public notice at the meeting held on 20th December 2020.

Porto, January 20, 2021

The Dean of the Institute of Biomedical Sciences of Abel Salazar of the University of Porto, Professor Doutor Henrique Cyrne Carvalho