

**ANNOUNCEMENT FOR THE OPENING OF AN INTERNATIONAL SELECTION TENDER
PROCEDURE FOR DOCTORATE HIRING OF DECREE-LAW NO. 57/2016 OF 29 AUGUST,
amended by 57/2017 Law of 19 July.**

Internal reference: RESEARCHER/Interreg/IBMC/2005/2022

The meeting of the Board of Directors of IBMC deliberated the opening of an international selection tender for 1 vacancy of doctorate to perform duties of scientific research in the scientific area(s) of Health Sciences, under a work contract with non-fixed term under the Portuguese labor Law in order to perform duties, as researcher within the project: “0702_MIGRAINEE_2_E: Análise e correlação entre a epigenética e a atividade cerebral para avaliar o risco de enxaqueca crónica e episódica em mulheres”, co-financed by the European Regional Development Fund (ERDF) through the INTERREG V Spain – Portugal, (POCTEP)

1. Summary and/or tasks to be performed

Migraine is a neurological condition of great socio-economic impact due to its prevalence (12% in Spain and Portugal) and incapacitating nature. The social challenge to improve the quality of life of these patients is of paramount importance, especially for women, the population most affected by migraine (75% of cases).

Although several studies focused on the genetics of migraine, there is scarce research on epigenetic factors or how this disease affects brain activity. The overall aim of this project is to generate new synergies aiming at a network of interdisciplinary and transnational cooperation to analyze epigenetic and neuronal factors in order to develop migraine biomarkers in women.

Biological material of migraineurs women and healthy controls from the North of Portugal and Castile and Leon were collected. Their clinical data, brain activity and epigenetic information will be analyzed. Genetic material will be sequenced and regions with different proportions of methylation in the samples will be obtained. Brain background activity will be acquired by means of electroencephalography. Subsequently, neural dynamics will be characterized using advanced signal processing methods.

The ultimate goal of this project is to correlate epigenomics data and brain activity in order to develop a tool to aid in the diagnosis of migraine.

2. Applicable Legislation

- Decree-Law no. 57/2016 of 29 August, amended by Law 57/2017 of 19 July, which approved the doctorate hiring regime destined to stimulate scientific and technological employment for all knowledge areas (RJEC),
- Portuguese labor law

- Regulatory Decree Nr 11-A / 2017, of 29th December.

3. Pursuant to article 13 of RJEC, the tender selection panel shall be formed by:

President: Carolina Lemos

Other members: Alda Sousa, Nadia Pinto

4. Workplace shall be at IBMC – Rua Alfredo Allen 208, PORTO, UnIGENe group

5. Monthly remuneration: Gross monthly Remuneration is 2.153.94€, in accordance with subsection a), section 1, article 15 from Law nr 57/2017, 19th July, and with the remuneration position at initial level predicted in article 2 of Regulatory Decree nr 11-A/2017, of 29th December, correspondent to level 33 at Tabela Remuneratoria unica, approved by Order nr 1553-C/2008, 31st December, with the category Junior Researcher.

6. Any national, foreign and stateless candidate(s) who hold a doctorate degree in Biochemistry or related scientific area and a scientific and professional curriculum whose profile is suited for the activity to be performed can submit their applications. 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. 66/2018 of 16 October, and all formalities established therein must be complied.

7. The tender admission requirements are:

- First/last author in at least 3 manuscripts published in a Q1-rated publication
- Strong experience in molecular biology techniques (DNA/RNA extraction and purification, PCR, Sanger sequencing) (mandatory)
- Advanced experience in Next Generation Sequencing techniques (WGS; WES; GWAS) (mandatory)
- Previous knowledge of research with Migraine (mandatory)
- Experience in bioinformatics and statistical data analysis
- PhD for less than 5 years
- Fluent in written and spoken English.

8. Pursuant to article 5 of RJEC, selection is to be made based on candidate scientific and curricular career evaluation.

9. Scientific and curricular career evaluation focuses on relevance, quality and in line with the current state-of-the-art:

- a) of scientific and technological production in the last five years, deemed most relevant by the candidate;
- b) of research activities, applied or based on practical work, developed in the last five years, deemed most impactful by the candidate;
- c) of the research projects in which he/she participated;
- d) of the activities developed in terms of student orientation;

- e) of the training courses in the areas covered by point 7;
- f) of knowledge extension and dissemination activities developed in the last five years, namely under the scope of the promotion of culture and scientific practices, deemed most relevant by the candidate.

10. The five-year period mentioned above can be extended by the panel, if requested by the candidate, whenever the suspension of scientific activities is reasoned by socially protected grounds like paternity leave, long-term serious illness, and other legal situations of unavailability to work.

11. Evaluation criteria are the following:

- a) Detailed CV:
 - List of publications and their respective impact factor (20%).
 - Research experience (technical and conceptual) with relevance to the subject of the project (40%).
 - Relevant research experience in migraine (30%)
 - Experience in the supervision of students (10%)

12. Candidate final classification system shall be given based on a scale 0-100.

13. The panel shall deliberate by means of roll-call vote justified under adopted and disclosed selection criteria, with no abstentions allowed.

14. Minutes of panel meetings shall be executed and shall include a summary of all occurrences of said meeting, as well as of all votes casted by the members and respective reasoning, and shall be provided to candidates whenever required.

15. After selection criteria application, the panel shall prepare a sorted list of approved candidates and respective classification.

16. Panel's final decision shall be validated by the leader of the institution, who is also in charge of deciding about the hiring.

17. Application formalization:

17.1 Applications shall include all supported documents encompassed by section 7 and 8 for tender admission, namely:

- a) Certificate or diploma copy;
- b) Curriculum vitae, written in English, detailed and structured pursuant to sections 10 and 12;
- c) Other documentation relevant for the evaluation of qualifications in a related scientific area;

17.2 Candidates shall submit their application filling in the required information and supporting documentation, in a digital form, in PDF format, from 23th May to 3rd June 2022 at the link:

<https://dozer.i3s.up.pt/applicationmanagement/#/addapplications/RESEARCHERInterregIBMC20052022>

18. All candidates who formalize their applications in an improper way or fail to prove the requirements imposed by this tender are excluded from admission. In case of doubt, the panel is entitled to request any candidate to present further documentation supporting their statements.

19. False statements provided by the candidates shall be punished by law.

20. Both admitted and excluded candidate list and final classification list shall be published in the website of the Institute and the candidates are notified by email.

After publication, all candidates have 10 working days to respond. Panel's final decisions are pronounced within a period of 90 days, from the application deadline, published at IBMC website.

The expected starting date is 1st July 2022.

21. This tender is exclusively destined to fill this specify vacancy and can be terminated at any time until approval of final candidate list, expiring with the respective occupation of said vacancy.

22. Non-discrimination and equal access policy: IBMC actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

23. The panel has approved this announcement in meeting held on 02/05/2022.

24. Pursuant to Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honor, their respective disability degree, type of disability and communication/expression means to be used during selection period on their application form, under the regulations above.