

Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa

WORK AGREEMENT IN THE SCIENTIFIC RESEARCH CAREER OF UNIVERSIDADE NOVA DE LISBOA - PRIVATE LAW REGIME

NOTICE OF THE OPENING OF INTERNATIONAL COMPETITION FOR RECRUITMENT OF ASSISTANT RESEARCHER

Professor José Alves Júlio Alferes, Dean of the NOVA School of Science and Technology | FCT NOVA competences delegated by Order n.º 8558/2022, July 12th from the Rector of the NOVA, Professor João Sàágua, hereby informs that an international call for applications with the internal reference “CP_CEECINST_00042_2021_UNL” is open, for a period of 15 working days, counting from the day immediately following the publication of this Notice, recruitment procedure for a job, under an employment contract, under private law, of Assistant Researcher in the scientific areas of Mathematics and Mechanical and Industrial Engineering, with emphasis on Mathematics for Industry, in the aforementioned Organic Unit of this University.

This recruitment procedure is documentary, has international scope and is governed by the provisions contained in Articles 9.º and following of Regulation n.º 393/2018 published in the Diário da República, 2nd Series, n.º 123, of 28 June.

This call is open under the program contract signed between FCT, I. P., and UNL to support the development of R&D activities, and in accordance with the provisions of n.º 4 of article 28 of the scientific employment regulation (REC), published in the Diário da República by regulation n.º 607-A/2017 of 22 November.

I. Rector's authorisation order

This recruitment process was opened by order n.º 80/2022 of May 5th, 2022, of the Rector of the UNL, given after the execution of the aforementioned agreement program between FCT, I.P., and UNL, the confirmation of the existence of adequate budget and that the job now offered is provided for in the personnel map of the NOVA School of Science and Technology | FCT NOVA and there characterised by the category.

II. Job Description:

1. Workplace:

Faculdade da Ciências e Tecnologia

Campus de Caparica, 2829-516 Caparica

III. Admission Requirements

General requirements:

1. Under the terms of number 1 of article 10 of the ECIC, it is a general admissibility requirement to this competition that candidates must hold a PhD degree Mathematics, Statistics, Data Science, Artificial Intelligence, Engineering, or

related areas and to have a relevant scientific curriculum in the area of the competition:

National, foreign, and stateless candidates may apply to this competition, holding a PhD degree duly registered and/or recognized in Portugal [mandatory requirement].

Specific Requirements:

The procedure is open for recruitment of a position in the Scientific Area(s) Scientific Area(s) of Mathematics, Mechanical and Industrial Engineering with emphasis on Mathematics for Industry. It is intended to develop and apply mathematical skills, namely statistical and optimization methods, including the use of machine learning techniques and artificial intelligence in business and industrial contexts. It is intended that the researcher contributes to the enhancement and transfer of mathematical knowledge in business and industrial contexts, and to the objective of the 2030 Agenda.

This work plan is intended to contribute to the objective(s) of the 2030 Agenda, namely: Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

IV. Remuneration:

The Researcher(s) to be hired will receive a gross monthly remuneration of 3,248.27 euros, based on the 1st salary position in the category of Assistant Researcher under private law, full-time contract with exclusive dedication, in accordance with Annexes I and II of Regulation n.º 393/2018, of 28 June, with the salary updates determined by Decree Law n.º 10- B/2020, of 20 March and Decree Law n.º 109-A/2021, of 7 December.

V. Application Process:

Applications must be submitted until the 15th working day, counting from the day after the publication of the Notice in the Diário da República, by sending, by email to div.rh.recrutamentondoc@fct.unl.pt, a single PDF file containing the following documents, written in Portuguese or English:

1. The application process must be accompanied by the following documentation:
 - A. The filled Application form, using the template available at <https://www.fct.unl.pt/faculdade/concursos/investigadores>;
 - B. Certificate attesting the doctoral degree in the scientific area in which the position is opened;
 - C. Candidate's curriculum vitae, organised in accordance with the system in point V of this Notice;
 - d. Works mentioned in the CV; Information relevant for the evaluation of the candidate's scientific and curricular path on the relevance, quality and actuality.

2. Applications duly instructed with the documents mentioned above in n.º IV, must be submitted until the 15th working day, counting from the day after the publication of the Public Notice in the Diário da República..
3. The lack of any supporting documents, which could not be supplied of its own motion, will determine the rejection of the application.

VI. Evaluation Criteria:

1. The works of the Jury will respect the operating rules established in the ECIC.
2. Under the terms of subparagraph a) of article 9 and paragraph 2 of article 10 of the ECIC, this competition is a documentary competition that will perform an assessment of the candidates' curriculum vitae and scientific work, and, depending on the Jury decision, under the terms of paragraphs 2 and 3 of article 10.º, an interview aimed at obtaining clarification or elucidation of elements contained in the applications documents of the admitted candidates;
3. The Jury may decide to proceed with the exclusion of candidates who, in absolute merit and considering the global curriculum in its aspects of scientific, technical, professional performance and performance in other activities relevant to the mission of FCT NOVA, do not fall within the area or areas to which the competition relates or do not reach the level of quality compatible with the category for which it was opened. In this case, the candidates are notified by the jury, for the purposes of the prior hearing;
4. In the evaluation of candidates admitted on absolute merit, the following criteria will be used:

Criterion A (50%) - evaluates the quality of scientific and technical work in the area and sub-area of the competition of the last five years considered most relevant by the candidate; Knowledge and experience in the areas of application of statistical and optimization methods will be especially valued, including the use of machine learning techniques and artificial intelligence in the context of mechanical engineering and industrial engineering and management.

Criterion B (30%) - evaluates professional experience, professional training, and contributions to scientific orientation activities, namely: ability to organize and lead scientific teams, raise projects, as well as the activity demonstrated in advanced training guidance (masters, PhD and post-docs); Activities and projects for the transfer of mathematical knowledge in business and industrial contexts will be especially valued.

Criterion C (5%) - evaluates the participation in management bodies and the provision of service to the community in the last five years, namely the activities of extension and dissemination of knowledge developed in the area and sub-area of the competition, considered of greater relevance by the candidate for participation in bodies management of the institution and the provision of service to the community

Criterion D (15%) - evaluates the quality of national and international scientific recognition revealed by the candidate's curriculum

5. Weighting Factors of Selection Criteria:

Criterion A: 50%; Criterion B: 30%; Criterion C: 5%; Criterion D: 15%

VII. Composition of the Jury

The competition jury is composed by the following members:

Doutor António Carlos Bárbara Grilo Professor Catedrático da Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa;

Doutor Adérito Luís Martins Araújo, Professor Associado da Faculdade de Ciências e Tecnologia da Universidade de Coimbra;

Doutora Ana Maria Alves Coutinho Rocha, Professora Associada da Escola de Engenharia da Universidade do Minho;

Doutora Maria Cândida Mourão, Professora Associada com Agregação do Instituto Superior de Economia e Gestão da Universidade de Lisboa;

Doutora Maria Isabel Azevedo Rodrigues Gomes, Professora Associada da Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa.

Chair: Dean of the NOVA School of Science and Technology.

Under his competences, the Dean may delegate chairing of the jury in another member.

VIII. Application Evaluation Process:

1. After the deadline for applications is reached, the jury will convene for the evaluation and ranking of the applications.
2. Each member of the jury will carry out their individual assessment exercise, scoring each candidate in relation to each criterion on a numerical scale from 0 to 100 points.
3. Based on the assessment of the curricula, their suitability for the scientific area where the competition is open, of the other tender documents and on the classifications awarded, according to the indicator criteria and weights provided for in paragraph V above, the jury proceeds to the admission of candidates with a final classification, in absolute merit equal to or greater than 50, or to their exclusion, when they have a final classification is lower than 50.
4. Having determined the list of candidates admitted, based on the procedure described above, the jury produces a written report with the ranking of these candidates and their respective classification.
5. The ranking of the admitted candidates is done by a majority voting by the members, respecting the order presented in the opinion referred to in number 3 above.

6. All candidate not admitted will be notified and may submit comments to the jury.

IX. Hearing of Interested Parties

The lists of admitted and excluded candidates, as well as the final classification list and ranking of all the candidates, shall be subject to a hearing process of the interested parties, in accordance with the provisions of Articles 121 and 122 of the Portuguese Code for the Administrative Procedures.

X. Final Decision

The final deliberation of the Jury will be homologated by the Dean of NOVA School of Science and Technology who is also responsible for enacting the hiring process.

The list of admitted and excluded candidates and the final ranking list will be sent by e-mail, with receipt of delivery, to all candidates.

XI. Policy of non-discrimination and equal access

NOVA School of Science and Technology actively promotes a policy of non-discrimination and equality, whereby no candidate may be benefited, prejudiced, or deprived of any duty on the basis of ancestry, age, gender, disability, sexual orientation, chronic illness, nationality, ethnic origin or race, religion or political convictions.

XII. Data Protection

In accordance with the GDPR - General Data Protection Regulation, the data collected will be processed exclusively for processing of the applications.

XIII. Probationary period

The Assistant Researcher recruited under the scope of this competition has a probationary period of three years, which ends with the favourable opinion referred to in article 39 of the Statute of the Career of Scientific Research, and provided that he/she has a performance evaluation above a level defined for that purpose.

XIV. Final provisions and interpretative precedence

- a) It is the responsibility of the Jury of this competition to decide on its processing and on any doubts and complaints, in the light of Regulation n.º 393/2018, of 28 June, and of the applicable provisions of the Administrative Procedure Code (Decree-Law no. 4/2015, of 7 January, updated by Law n.º 72/2020, of 16 November).
- b) For interpretative purposes, in case of doubt, the text of the notice published in Portuguese shall prevail over the notice published in English.

25 de julho de 2022 - The Dean, Prof. Doutor José Júlio Alves Alferes.