

Notice of an international public call for Doctorate hiring under the Decree-Law no. 57/2016, 29th August

1. Call identification

This call, for the recruitment of a Doctorate to perform research activities on the scientific field of Data Science, in an employment contract for an indefinite period under the Portuguese Labour Code is raised, under the Decree-Law no. 57/2016, 29 August, for the project “Identifying and Reducing Antibiotic Under and Over Prescription”.

The candidate admitted will perform the following activities, among others:

- a) Analysis of antibiotics prescription state of the art, leading to the definition of a gold-standard.
- b) Computing analysis of the SPMS prescriptions data base.
- c) Outliers identification on the prescription standards.
- d) Implementation of a mitigation strategy and impact analysis.
- e) Participation in activities related to the project objectives, namely related to bibliography collection and synthesis and dissemination and production of scientific papers.
- f) Participation in documents related to the process as co-author.

2. The decision to open this call was taken by the Faculty Council Coordinator Committee of Faculdade de Economia/ Nova School of Business and Economics.

3. Non admission for the reason of lack of absolute merit

Candidates that do not obtain at least 50 points in a scale between 0 and 100 measuring the seriation criteria will not be selected for lack of absolute merit.

4. Applicable Law

Decree-Law no. 57/2016, 29 August, which approves the hiring regime of Doctorates, aiming to stimulate the scientific and technological job market in all knowledge fields (RJEC)

Law no. 57/2017, 29 August, that rules the first change of the Decree-Law no. 57/2016. Labor Code, approved by Law no. 7/2009, 12 February, in its current version.

5. Under the article 16th of the Decree-Law no. 57/2016, the authorization of the Government members responsible for the Finance and Public Administration areas is not needed, namely that defined in the no. 3 of the article 7th of the LTFP, the previous positive opinion of the Government members responsible for the Finance and Public Administration areas, as written in the no. 5 of the article 30th of the LTFP and the procedure for the recruitment of public workers on a requalification status, referred to at the article no. 265 of the LTFP.

6. As stated in the article 13th of the RJEC, the Call Jury has the following member composition:

- Professor Pedro Pita Barros, President of the juri
- Professor Joana Gonçalves de Sá
- Professor Qiwei Han
- Professor Jorge Carneiro

7. The workplace is the facilities of the Faculdade de Economia/ School of Business and Economics, without prejudice to any travelling justified by the job.
8. The monthly salary is as defined in the no.1 of the article 15th of the Law 57/2017, 19 July, corresponding to the level 40 of the “Tabela Remuneratória Única”, approved by the ordinance no. 1553-C/2008, 31 December: €2.488,78 (two thousand four hundred and eighty eight euros and seventy eight cents).
9. Will be admitted to this call any Portuguese, foreign or stateless candidate with a Doctoral degree in Data Science, Informatics, Theoretical Biology, Mathematics, Physics, Engineering, Biomedicine, or other quantitative field and an adequate scientific and professional curriculum, including post-doctoral experience in Modeling and Data Analysis. Preference will be given to candidates with computing experience. If the Doctoral degree was obtained in a non-Portuguese University it must obey to the stated in the Decree-Law no. 341/20107, 12 October, and any needed formalities must be completed until the end of the call.
10. There are special requisites to admission to this call those defined in the previous number.
11. Under the terms of the article 5th of the RJEC, the selection is done through the assessment of the scientific and professional curriculum of the candidates.
12. The assessment of the scientific and professional curriculum of the candidates is done considering the relevance, quality and actuality of:
 - a) The scientific production of the last five years considered most relevant by the candidate;
 - b) The applied scientific activities, or practice based, developed on the last five years e considered by the candidate as the most impactful;
 - c) The activities of extension and of knowledge dissemination developed in the last five years, namely on the context of culture and scientific practice promotion considered most relevant by the candidate;
13. The five years period stated in the previous number may be extended by the Jury at a candidate’s request if it is based on a scientific activity interruption due to socially protected reasons, namely parental leave, serious or prolonged illness and other situations legally protected
14. The assessment criteria are:
 - a) On the scientific performance parameter, the publication on the fields described in no. 9 with a strong computational and quantitative component in top peer-reviewed International journals. Preference will be given to candidates with experience in more than one of these fields.
 - b) On the applied research parameter, the participation in research projects in the field of Data Science or Biomedicine with a strong computational and quantitative component.
 - c) On the computing parameter, advanced knowledge of programming languages (example: Python, R, MATLAB)
 - d) On the pedagogical component, experience in teaching or theses advising or co-advising.

e) On the activities of work on projects, the assessment will be done through an interview with the jury.

15. The final classification system of the candidates is done in a 0 to 100 scale, according to the following evaluation table:

Criterion	Criterion weighting	Criterion Scoring
Scientific production and interdisciplinarity	25%	<ul style="list-style-type: none"> • Demonstrated ability to publish in peer reviewed journals ranked in the Q1 of its area – 100 • Demonstrated ability to publish in journals ranked in Q2 or Q3 – 40 • Interdisciplinary experience – 20 • Demonstrated ability to publish in other peer reviewed journals– 10 • Non demonstrated ability to publish in peer reviewed journals – 0
Applied Research	10%	<ul style="list-style-type: none"> • Participation in research projects with high computational and quantitative component – 100 • Participation in applied research projects with low quantitative component – 40 • No participation in applied research projects in the area of the project - 0
Computing	10%	<ul style="list-style-type: none"> • Knowledge of all the following computing languages: Python, R and MATLAB – 100 • Knowledge of some of the computing languages: Python, R, MATLAB – 50 • Absence of knowledge of any of the computing languages: Python, R, MATLAB - 0
Pedagogy	5%	<ul style="list-style-type: none"> • Experience in PhD thesis advising – 100 • Experience in Master thesis advising – 40 • Experience in advising students works not leading to thesis submission – 10 • Absence of student’s advising experience - 0
Attitude and work project competencies	50%	<ul style="list-style-type: none"> • Demonstration of the sensibility needed for a good project execution, as well as knowledge of the project field, assessed in an interview with the jury. A scale from 0 (inadequate attitude and competencies) to 100 (excellent attitude and competencies) will be used.

16. The jury deliberates through nominal voting justified according to the selection criteria adopted and publicized. Abstention is not allowed.

17. The minutes of the jury meetings must contain a brief description of the issues discussed, as well as each member's votes with justification, and candidates are entitled to read it if required.
18. After the application of the selection criteria, the jury must elaborate the ranked list of candidates with the respective classification.
19. The final deliberation of the jury must be homologated by the Head of the Institution who also decides on the hiring.
20. Applications:
 - 20.1. Applications are formalized through an application form available to download at the Nova School of Business and Economics webpage - <http://www.novasbe.unl.pt/about-us/hr-management> -, addressed to the School's Dean, containing the identification of the present Call, complete candidate name, names of father and mother, number and date of the identification document, fiscal number, date and place of birth, marital status, occupation, residency data and contact data, including e-mail address and phone number.
 - 20.2. The candidate should also attach documents that make proof of the conditions stated in articles 11 and 13, namely:
 - a) Copy of the certificate or Diploma
 - b) PhD Thesis
 - c) Detailed curriculum vitae, structured in accordance with items from article 14
 - d) Other relevant documents
21. The candidates should present their application forms as well as the other documents requested preferably in digital versions, PDF, to the e-mail address: researchposition@novasbe.pt, personally at the Faculty Affairs Department of the Nova School of Business and Economics ("Serviço de Apoio ao Docente"), Rua da Holanda, nº 1, 2775-405 Carcavelos, during working hours or by post to the same address. The applications sent by post must be registered with reception proving, until the last day of the call opening, which is 6 working days after the publishing of the Call at the Diário da República, that is, until 19 March 2019.
22. Candidates that do not fully formalize their applications or that do not make proof of the Call requisites will be excluded. The jury is allowed to require of any candidate any document that makes proof of any declaration on the application.
23. False declarations should be punished according to the law.
24. The list of the accepted and excluded candidates as well as the list with the final classification must be posted in the School's facilities, at Rua da Holanda, nº 1, 2775-405 Carcavelos, at the Universidade Nova de Lisboa and the School's webpages, and the candidates must be notified through e-mail with Delivery Report request.
25. Previous audience and deadline for final decision: As stated in the article no. 121 of the Administrative Proceedings Code ("Código do Procedimento Administrativo"), after being notified the candidates have 10 working days to reply. The final decision of the jury must be taken during the 10 days after the deadline for applications.

26. The current call is exclusively dedicated to fill the job position above mentioned and can be terminated until the homologation of the candidates final ranked list. It will expire at the moment that the job position is filled with the selected candidate.
27. Nondiscrimination and equal access policy: Universidade Nova de Lisboa actively promotes a nondiscrimination and equal access policy, under which, no candidate shall be prejudiced either favorable or unfavorable, deprived of any right or exempt from any duty, for reasons of, namely, descent, age, gender, sexual orientation, race, marital status, family or economic circumstances, education, origin or social condition, genetic heritage, reduced capacity for work, disability, chronic illness, nationality, ethnicity or race, territory of origin, language, religion, political or ideological convictions and union membership.
28. In accordance with D.L. nº 29/2001, of 3 of February, candidates with disabilities are preferred in case of equal classification, which prevails over any other legal preferences. The candidates must provide a declaration of honor with the respective degree of incapacity, type of disability, and the communication/expression media to be used in the selection process, under the legislation mentioned above.