

**ANNOUNCEMENT FOR THE AWARD OF A RESEARCH FELLOWSHIP FOR MASTERS ENROLLED IN
A NON-ACADEMIC DEGREE COURSE**

38/ECUM/CMAT/2023 – SUMcohort (1)

A call for applications is now open for the attribution of one grant research fellowship within the scope of the R&D project Advances in Survival analysis under double truncation and Multi-State models. Software development and cohort based-studies at CMAT-Centre of Mathematics, with reference EXPL/MAT-STA/0956/2021 financed by national funds through financed by national funds through “Fundação para a Ciência e Tecnologia”, under the following conditions:

Scientific Area: Mathematics

Recipient category:

- a) Students enrolled in a MSc (2nd cycle) course in the areas of Mathematics, Computer Science or Statistics.
- b) Students be intended for R&D activities by graduates or masters enrolled in non-academic degree courses integrated into the educational project of the institution, developed in association or cooperation with one or more R&D units.

Requirement for granting the fellowship:

- The applicants may apply without prior registration in the course for which the fellowship is open. The requirement to enroll in a degree course or non-academic degree course will be verified on the date of contracting the fellowship;
- Only fellowships whose selected applicants present a valid proof of enrollment in a degree course or non-academic degree course will be contracted, according to the type of the fellowship, issued by the academic services of the Higher Education Institution, indicating, respectively, the academic year or its duration (star and term).
- Enrollment in non-certified courses (without curricular units) will not be considered as proof of enrollment.

Candidates profile:

- The candidates must have a profile that fits the research activities foreseen in the research project, namely in the R programming and also on Survival Analysis.
- Only fellowships whose selected applicants present a valid proof of enrollment in a degree course or non-academic degree course will be contracted, according to the type of the fellowship, issued by the academic services of the Higher Education Institution, indicating, respectively, the academic year or its duration (star and term).
- Enrollment in non-certified courses (without curricular units) will not be considered as proof of enrollment.

Applicants eligibility: Applicants must comply with the eligibility conditions laid down in article 9 of the Research Grants Regulation of the Portuguese Foundation for Science and Technology (2019).

Workplan and objectives to be achieved:

[SUMcohort BI] Recent advances and applications in the analysis of failure time data

In survival analysis researchers are interested in modelling and analysing the time until an event happens. It often occurs that the available data are censored and/or truncated, which means that some constraints may appear on the event times. Literature on survival data has proposed suitable methods to work with incomplete information on the event times like, for instance, censored data and truncated data. These features complicate substantially the statistical analysis of the data. The aim of this project is to solve a number of open problems related to time-to-event data, univariate and multivariate, that would represent a major step forward in the area of survival analysis and multi-state models. Real problems that we aim to solve appear in cohorts' studies.

Applicable legislation and regulations: Research Fellowship Holder Statutes, approved by Law no. 40/2004 of August 18, in its current version published by Decree-Law no. 123/2019 of August 28; Regulation of Scientific Research Fellowships of the University of Minho (RBIC), published in "Diário da República", 2nd serie, no. 119, through dispatch no. 6524/2020 of 22-06-2020, ratified by ratification declaration no. 447/2021 of 22-06-2021 and Regulation of Research Studentships and Fellowships (RBI) of the Foundation for Science and Technology, I.P. - in force.

Host/Contracting institution and scientific supervision: The workplan will be carried out in Centre of Mathematics of University of Minho, located in Campus de Gualtar or Campus de Azurém, under the scientific supervision of Carla Moreira, integrated member of CMAT, and Prof. Luís Meira-Machado, Associate Professor at Department of Mathematics.

Fellowship duration: The grant will take place for a period of **4 (four) months**, with a provisional starting date on the July of 2023. The fellowship grant may eventually be renewed according to the project and applicable legislation.

Amount of the research grant: The value stipend (Monthly Maintenance Allowance) is 875.98 euros per month, in accordance with the stipends values published by the Foundation for Science and Technology (FCT I.P.) in the country (Annex I – Monthly Stipends Values for the maintenance allowances of the [FCT Regulation for Research Studentships and Fellowships](#)) and Annex II of the Regulation of Scientific Research Fellowships of the University of Minho (RBIC), published in "Diário da República", 2nd serie, no. 119, through dispatch no. 6524/2020 of 22-06-2020, ratified by ratification declaration no. 447/2021 of 22-06-2021, according to the applicable regulation.

Payment is made on the 23st of each month, through bank transfer to the Bank Identification Number of the fellow identified in the contractualization process.

Other benefits: Reimbursement of Voluntary Social Security (Social Security contributions), corresponding to the 1st level of discounts (*for research grants with a total duration 6 months or higher*) and personal accident insurance.

Exclusivity regime: The grantee will perform the activities under exclusivity, as foreseen in article 5º of the Research Fellow Statutes and applicable regulations.

Selection panel:

President: Carla Maria Gonçalves de Macedo Moreira, junior researcher in CMAT, School of sciences at University of Minho

Effective member: Luís Filipe Meira-Machado, Associate Professor with habilitation at the Department of Mathematics, member of CMAT, School of sciences at University of Minho.

Effective member: Ana Paula Costa Conceição Amorim, Assistant Professor at the Department of Mathematics, member of CMAT, School of sciences at University of Minho

Substitute member: Marta Susana Ribeiro Ferreira, Assistant Professor at the Department of Mathematics, member of CMAT, School of sciences at University of Minho.

Substitute member: Raquel Menezes da Mota Leite, Associate Professor with habilitation at the Department of Mathematics, member of CMAT, School of sciences at University of Minho.

The first effective member will substitute the President of the selection panel in case of impediment, being nominate the first substitute member in the place of the first effective member.

The first effective member will substitute the President of the selection panel in case of impediment, being nominate the first substitute member in the place of the first effective member.

Criteria and procedures for applications assessment and selection: The applications assessment will focus on the candidate's merit and an interview, applying the following evaluation criteria, valued on a scale of 1 to 5 values:

AM - Applicant Merit (70%)

A1 - Academic path (considering the classifications of academic degrees), with a weighting of 45%

A2 - Personal curriculum (considering professional and scientific background, and the adequacy to the selected project), with a weighting of 30%

A3 - Motivation letter, with a weighting of 25%

The Applicant Merit classification (AM) will be obtained by applying the following formula:

$$AM = 0,45 A1 + 0,30 A2 + 0,25 A3$$

Candidates whose AM classification is lower than 3.50 are excluded, and the remaining candidates go on to the interview phase.

B- INT - Interview (30%)

B1 – Interpersonal skills, with a weighting of 30%

B2 – Demonstrated knowledge in the contested area, with a weighting of 40%

B3 - Motivation, with a weighting of 20%

B4 – Linguistic competences, with a weighting of 10%

The Interview classification (INT) will be obtained by applying the following formula:

$$\text{INT} = 0.30 \text{ B1} + 0.40 \text{ B2} + 0.20 \text{ B3} + 0.10 \text{ B4}$$

FC - Final Classification

The Final Classification (FC) will be obtained by applying the following formula:

$$\text{FC} = 0.70 \text{ AM} + 0.30 \text{ INT}$$

Candidates with a FC lower than 3.50 are excluded.

The academic degrees and diplomas documents, or their respective recognition when awarded by foreign higher education institutions are not mandatory in the application phase, being replaced by a declaration of honor of the candidate with the contents of academic results. The documents of academic qualification or respective recognition will be required in the contracting phase and must attest facts that occurred on a date prior to the application. In situations of divergence between the information contained in the declaration and the documentation submitted for contracting the grant, only the information contained in the latter will be considered. If the documents proving the ownership of the academic degree and diploma, or the respective recognition under the terms of Decree-Law No. 66/2018, of August 16, do not correspond to the classifications awarded in the evaluation of the academic path, which can change the candidate's ranking, the fellowship won't be contracted.

Notes: Applicants with degrees obtained abroad must present proof of recognition of qualifications in Portugal and conversion of the final classification obtained in them to the Portuguese classification scale or declaration under the terms indicated in the previous point. Candidates who do not comply with one of these provisions, the selection panel will assign "0" in the grade of the graduation and/or master course. Candidates will be evaluated on the remaining parameters.

Disclosure of results: The provisional results of applications, based in the selection panel minutes, will be sent to the applicants by email until 90 working days from the applications deadline.

If case of unfavourable results, the candidates have a period of 10 working days to comment, if desired, in a prior hearing to interested parties, pursuant to articles 121 and 122 of the Code of Administrative Procedure (DL no. 4 / 2015 of January 7th).

Complaint and appeal procedures: The final results of the evaluation will be published through an alphabetically ordered list, posted in a visible and public place of the host unit, as well as by email to all applicants, enclosing for that purpose, the minutes of the jury deliberations.

The selected candidate must inform its willingness to accept the grant, in writing. In case of rejection, the fellowship will be awarded to the next candidate in the ordered list of applicants.

The final decision can be contested within 15 working days, by sending to the President of the jury the corresponding claim. Interested parties may also submit an optional hierarchical appeal, addressed to the Pro-Rector for Scientific Projects and Research Management, Professor Doctor Sandra Paiva.

Constitution of a selection reserve list: The applicants ranked in the next positions on the ordered list will be included in a selection reserve list, which can be used until 31/12/2023.

Application deadline and submission: The call for applications is open for a period of **10 working days** from the date of publication on the Euraxess portal.

Applications must be formalized by sending an application letter with the following documents: curriculum vitae; qualifications certificate or declaration of the applicant; motivation letter; statement proving that meets the conditions for the grant typology, according to the application requirements; other documents important to the evaluation process.

Applications must be sent by email to **bolsas@ecum.uminho.pt**, indicating the reference of the call for applications in Subject: **38/ECUM/CMAT/2023 – SUMcohort (1)**. Applications submitted by other means will not be accepted.

Fellowship contractualization: The fellowship will be attributed by signing a fellowship contract between the University of Minho and the fellow, accordingly with the contract minute (annex IV of the Regulation of Research Fellowships of the University of Minho (RBIC), published in *Diário da República, 2nd Série, no. 119*, through dispatch no. 6524/2020 of 22-06-2020, ratified by ratification declaration no. 447/2021 of 22-06-2021, as indicated in 2.4 of the FCT document: [“Rules for Granting and Management of Grants within the scope of R&D projects, including infrastructure projects, the multi-annual financing program for R&D units and other FCT financing instruments \(Version 2021\)”](#).

The contract may only be concluded after all the documentation required is collected, which must take place within a maximum period of 6 months.

Once all the documentation has been received, the contracting entity has a period of 60 working days to conclude the scholarship contract. Once received, the fellow must return the contract duly signed within 15 working days.

The activities under the fellowship contract can only began after proper authorization by the contracting entity.

Term and cancellation of fellowship contracts: Without prejudice to the other causes provided the fellowship regulations (FCT and UMinho) and in the Statute of the Research Fellow, the fellowship ends with the completion of the work plan, as well as with the expiration date for which it was granted or renewed.

At the end of the fellowship, the grantee is obliged to present a Final Report of the work carried out, in accordance with the objectives and evaluation criteria defined with the scientific advisor, within 30 days after the end of the scholarship.

The **final report** must be prepared in accordance with Annex I of the Scientific Research Fellowships Regulation of the University of Minho (RBIC), published in *Diário da República, 2nd Série, no. 119*, through dispatch no. 6524/2020 of 22-06-2020, ratified by ratification declaration no. 447/2021 of 22-06-2021.

Note: The information above required should be submitted in the Euraxess Portal¹, in the fields reserved for those purposes².

¹ The USRH acts as administrator of University of Minho – Human Resources profile. After registration of the employee/researcher/teacher as individual user in the Euraxess, the USRH can add the individual user through the email as “member” of the entity “University of Minho”, allowing the user to publish the fellowship announcements in the Euraxess Portal.

² The FCT ended with the previous validation of the fellowships announcements. The R&D units must strictly follow the Rules for granting and managing research fellowships (2021).