

## Call for Expressions of Interest for Short-Term Research Internships at the University of Texas at Austin under the UT Austin Portugal Program

Year: 2023

The present Call for Expressions of Interest (EoIs) is launched according to Regulation no 913/2021<sup>1</sup> of the **Portuguese Foundation of Science and Technology, I.P. (FCT)**, which sets out the rules and requirements for awarding financial assistance to individuals undertaking Knowledge and Technology Transfer Activities.

The Call is aimed at **faculty, researchers, and Master's or PhD students affiliated with institutions in Portugal who wish to be considered for short-term research internships at the University of Texas at Austin (UT Austin) in 2023.**

The **EoI submission period** will run from **May 2, 2023, until June 5 (23:59 UTC+1), 2023**, and the **internships must take place** during UT Austin Fall Semester 2023, i.e., **between September 15 and December 31, 2023.**

### 1. Context

The **UT Austin Portugal Program** is a partnership in Science and Technology between FCT and UT Austin, supported by the Ministry of Science, Technology, and Higher Education in close collaboration with the Council of Rectors of the Portuguese Universities (CRUP).

Through the Management and Coordination Agreement “*Acordo para a Gestão e Coordenação do Programa UT Austin Portugal 2023 | CoLab*”, signed between FCT and the **Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência – INESC TEC**, the latter is the Program's host organization in Portugal, being accountable for the overall management and implementation of the Program's activity plan, including of this Call for EoIs.

### 2. Purpose of the Call

Through this Call, the Program will be selecting **faculty, researchers, or Master's and PhD students affiliated with a Higher Education Institution, R&D center or an R&D-performing company established in Portugal and interested in spending a limited period at UT Austin** to undertake R&D activities in one of the following areas of the Program:

- **Advanced Computing**, research work contributing to the advance or the use of high-performance computing, high-throughput computing or quantum computing. Of particular interest is the scalability of machine learning applications and the convergence with cloud computing.
- **Nanosciences and technologies**, with a particular focus on the discovery and development of innovative nanomaterials, with a range of unique properties suitable for applications in space, sensing, the internet of things, information technology and energy harvesting and storage, including quantum computing, medical diagnostics and therapy, efficient chemical and materials transformations.
- **Space-Earth Interactions**, with a particular focus on complex systems engineering and science towards an integrative approach to space technologies, climate and clean energy, earth and ocean science in the Atlantic, together with emerging methods of data science.

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<sup>1</sup> “Regulamento de Atribuição de Subsídios a Atividades de Transferência de Conhecimento e Tecnologia”

- **Medical Physics**, covering collaborative research work that contributes to the application of concepts and methods of physics to the advancement of newly emerging cancer therapies, in particular, proton beam therapy.

### 3. Objectives and Duration of the Short-Term Research Internships at UT Austin

Applicants admitted to the scheme will benefit from an immersive experience in UT Austin's ecosystem to explore and develop institutional/faculty/departmental-level collaborations, engage in interdisciplinary and collaborative research with scientific peers and acquire and transfer new knowledge.

In Medical Physics, internships may also be organized at **The University of Texas MD Anderson Cancer Center** (MDACC). However, effective approval of these internships is pending staff availability at MDACC to supervise selected applicants ("interns") under this Call.

Internships must last from **two months (minimum) to three months (maximum)** and **not extend beyond December 31, 2023**.

### 4. Beneficiaries and Eligibility Rules

To be eligible for internships, **applicants must comply with the following criteria at the time of submission of their EoIs and throughout their stay at UT Austin:**

- a) Hold Portuguese nationality or, in the case of non-Portuguese citizens, have permanent residence in Portugal;
- b) Hold a Master's or Doctoral degree or, if not, be enrolled in a Master's or Doctoral Program in Portugal;
- c) Be affiliated with a research institution, university or R&D-performing company established in Portugal.

Applicants who do not meet the required criteria for EoI submission and fail to submit any of the mandatory documents listed in the section **"Application Procedure and Deadline | Mandatory Documents"** of this announcement will be ruled ineligible. Their EoIs will not be evaluated.

By the time the placements commence, **interns must also be allocated to the exchange under a scheme of exclusive dedication**. Nevertheless, the Program is not in a position to prevent the affiliation organization of an admitted candidate from providing them with financial assistance in addition to the allowance received through the Program.

It is the participants' sole responsibility to check and notify the UT Austin Portugal Program about potential conflicting issues concerning their full-time participation in the exchange and the receiving of other funds prior to signing a contract with the Program. The same holds true for any changes in the mandatory requirements for which the applicants were ruled eligible at EoI submission.

**Candidates with fellowships funded directly or indirectly by FCT must check with the sponsor whether they can receive additional funding under this mobility initiative.**

**Failure to comply with the eligibility rules may result in the non-allocation or cancellation of the financial assistance foreseen under this Call.**

### 5. Identification of Hosts at UT Austin

Before EoI submission, **applicants must have identified at least one UT Austin faculty staff who could act as their scientific host during their stay at UT Austin.** Therefore, applicants are encouraged to proactively look for potential hosts at UT Austin and contact them in advance.

**In the area of Advanced Computing, potential hosts can also be affiliated with the Texas Advanced Computing Center (TACC).**

**With regard to Medical Physics, applicants may search for a potential host not only on UT Austin's faculty directory but also on MDACC's staff directory. However, internships at MDACC are pending staff availability to host interns under this Call.**

- UT Austin's faculty directory can be found [here](#) – Academics tab
- TACC's staff directory can be found [here](#)
- MDACC's staff directory can be found [here](#)

The Program is also available to assist candidates in this search through one of the following contacts:

- **Marco Bravo** | UT Austin Portugal - UT Austin Office ([bravo@austin.utexas.edu](mailto:bravo@austin.utexas.edu));
- **Andreia Passos** | UT Austin Portugal - PT Office ([andreia.passos@utaustinportugal.org](mailto:andreia.passos@utaustinportugal.org)).

## 6. Financial Support to Admitted Applicants

The support provided to admitted applicants will take the form of a **mobility allowance** for the duration of the exchange. Additionally, regardless of their degree, **selected applicants will be reimbursed for health insurance they must take out for the period of their stay at UT Austin. Master's and PhD students will also receive a travel allowance.**

**Admitted applicants will be given the status of *External Researcher* by INESC TEC and sign a contract with the latter that specifies, among other aspects, the components of such support:**

- 1) Monthly allowance (for all admitted applicants):
  - For beneficiaries with a PhD degree: 2500 euros
  - For beneficiaries with a Master's or Bachelor's Degree: 1950 euros
- 2) One-off Travel allowance: 600 euros (only for Master's and PhD students)
- 3) Health Insurance: up to 500 euros (for all admitted applicants)
- 4) Personal Accident Insurance, extendable to the USA during the mobility period, according to INESC TEC's plan (for all admitted applicants).

The financial support may be used to cover travel and living expenses during the internship period. All reservations and payments to cover travel expenses (airplane ticket, train ticket, taxi, etc.) and expenditures for accommodation, meals, and transportation will be made directly by the participant. There is no need for the presentation of receipts, and the participant will support all the expenses above the amount of the mobility allowance.

As for health insurance, admitted applicants will be reimbursed by the Program - through INESC TEC - according to predefined amounts after submitting the respective reimbursement form to the Program no later than 30 days after their internships.

The total funding for this Call is **€ 90 000 (ninety thousand euros)**.

## 7. Application Procedure and Deadline:

### Mandatory Documents:

To apply for an internship, applicants must fill out this **online application form** with the following documents attached:

- **Detailed Curriculum Vitae.**
- **Statement issued by the applicant's primary affiliation institution/employer or funding entity** authorizing their extended leave if the Program selects them.
- **One-page Motivation Letter** clearly outlining the applicant's research goals and potential collaboration with UT Austin extending beyond the duration of the internship. Applicants should clearly explain the potential impact of this exchange period on their careers.
- **At least one Recommendation Letter up to a maximum of two.**
- **Highest Degree Certificate<sup>2</sup>.**
- **Evidence of Portuguese Citizenship (or Proof of Permanent Residence in Portugal for Foreign Nationals only).**
- **Proof of Enrollment in Master's or PhD. Program in Portugal** (for applicants applying as Master's or PhD Students).

### Deadline:

Eols must be submitted no later than **June 5 (23:59 UTC+1), 2023**.

## 8. Evaluation criteria, selection and notification process

The evaluation, selection and notification process will be implemented strictly according to Articles 11 and 12 of Regulation no 913/2021. Eligible Eols will be evaluated by a **panel of three experts per Scientific Area. Experts will look into the applicant's scientific curriculum, personal motivation and reference letter(s)** .

### List of Experts per Scientific Area:

#### Advanced Computing

- Ricardo Fonseca (ISCTE – IUL)
- Pedro Alberto (University of Coimbra)
- Miguel Nóbrega (University of Minho)

#### Space-Earth Interactions

- Vasco Mantas (University of Coimbra)
- Maria João Costa (University of Évora)
- Pedro Camanho (University of Porto)

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<sup>2</sup> For degrees earned from foreign Higher Education Institutions (HEIs), candidates will be required to present proof of degree recognition by a Portuguese HEI as laid out in Article no. 8 of Regulation no 913/2021.

### Nanotechnologies

- Killian Lobato (University of Lisbon)
- Lorena Diéguez (International Iberian Nanotechnology Laboratory)
- Fátima Montemor (Instituto Superior Técnico)

### Medical Physics

- Salomé Pires (University of Coimbra)
- Paulo Crespo (Laboratory of Instrumentation and Experimental Particle Physics)
- António Rocha Paulo (Instituto Superior Técnico)

During the evaluation process, the panel appointed per Scientific Area may need to interview applicants to clarify any information provided through the EoI. Applicants should be available to meet with the panel or a panel member.

**Internships will be indicatively distributed as follows and depending on available funding:**

- **Nanotechnologies: 4 placements;**
- **Advanced Computing: 2 placements;**
- **Space-Earth Interactions: 2 placements;**
- **Medical Physics: 2 placements.**

Should an Area fail to fulfil its placements, the Program may consider transferring its resources to other Areas. Additionally, if the funding allocated to this Call is not exceeded, more vacancies can be granted beyond the total indicated in this announcement, regardless of the Area.

To be considered for funding, an EoI must achieve an overall qualifying score of 10. Only the EoIs above this threshold will be ranked in descending order, according to their overall score and, thus, entitled to financial support, depending on the availability of funds by Area. Applicants are highly recommended to consult the evaluation criteria and scoring method used by the Program [here](#).

**The evaluation process is expected to last approximately four weeks, with FCT being consulted on the final list of ranked candidates. After this consultation, the Program Leadership will notify applicants of their final score and whether they will receive financial support under this Call. Notification is sent by email with a delivery receipt notification.**

## 9. Filing of complaints or appeals after notification of the decision

Under paragraph 9, Article 11 of Regulation no 913/2021, the period for preliminary hearings will be dismissed. Nevertheless, applicants have the right to lodge a complaint or an appeal by at the latest 15 working days after receiving the notification email. Complaints or appeals must be submitted in writing to the Program's Board of Directors ([leadership@utaustinportugal.org](mailto:leadership@utaustinportugal.org)).

## 10. Requirements for granting financial support

For the period of the internships, INESC TEC will confer upon admitted applicants the **status of External Researchers**, whereby they will be subject to INESC TEC's applicable internal policies. Additionally, they **will sign a Financial Assistance Contract with INESC TEC that complies with Article 13 of Regulations no 913/2021 and will entitle them to receive financial support as laid out in No. 6 of this Announcement.**

**Contract signing and granting of financial support are dependent on admitted candidates providing proof that they still meet the eligibility requirements for which their EoIs were deemed eligible for the selection process. Additionally, they must submit a statement issued by their primary affiliation institution/employer or funding entity authorizing their extended leave.**

**Internships must take place during UT Austin Fall Semester 2023, i.e., between September 15 and December 31, 2023.**

### **11. Financial Assistance Contract**

The Financial Assistance Contract sets out the **rights and duties of admitted applicants, INESC TEC and designated supervisors** according to Articles 15, 16, 17, 18 and 19 of **Regulation no 913/2021**.

Admitted applicants will sign it before the commencement of the internship at UT Austin to receive an up-front instalment. This instalment will correspond to 50% of the monthly allowance due according to their academic degree at EoI submission, plus a one-off travel allowance if they are still enrolled on a Master's or PhD Program.

INESC TEC will retain a final portion of the total amount granted until interns submit a two-page post-visit report at the end of the mobility scheme.

If admitted candidates fail to comply with any requirements established by this Call and **Regulation no 913/2021**, sanctions will be applied, according to Article 22 of the same regulation.

### **12. Work Plans in Research Exchanges under the UT Austin Portugal Program and Program's Supervision**

Work Plans must underpin all internships supported through this mobility scheme. Before an internship starts, the host at UT Austin should meet with the admitted candidate to discuss both parties' expectations regarding the work plan and its outcomes. The host should devise a realistic work plan and share it with the admitted candidate and the Program - through INESC TEC - before the internship.

Work plans must:

- Fit the candidates' research needs and goals;
- Identify the host or hosts at UT Austin;
- Foresee, during the mobility period, the candidates' integration within a team or group at UT Austin, participation in projects and communications, advanced training activities, outreach activities and/or relevant networking events offered by the host teams/centres/ schools at UT Austin.
- Set the proper context for a two-way transfer of knowledge between the candidate and the host team/centre/ school and for potential collaborations extending beyond the duration of the placement.

After approval of the work plan by the host at the American counterpart, the activities developed by admitted applicants will be subject to the supervision of UT Austin Portugal's Directors in Portugal, José Manuel Mendonça and Rui Carlos Oliveira, both affiliated with INESC TEC.

### **13. Reporting and Acknowledgments**



At the end of internships, **admitted applicants will be asked to write and submit a report (maximum two pages) detailing their progress against the goals set in the work plan.** The report should include pictures and an **overall comment by the host at UT Austin on the participant’s performance and achievements.**

**UT Austin Portugal’s Directors in Portugal, acting as supervisors of admitted applicants, should provide an overall assessment of each internship based on the reports submitted by admitted applicants and on the comments of UT Austin’s hosts.**

**Publications or any other scientific outputs resulting from this funding must include an acknowledgement of FCT and the UT Austin Portugal Program.**

#### 14. Confidentiality and Privacy Policy

Before proceeding with Eol submission, applicants are advised to read the **Program’s Privacy Policy** carefully.

#### 15. Contacts

Should you have any queries about the Call, please contact us at [info@utaustinportugal.org](mailto:info@utaustinportugal.org)

#### 16. Indicative Timetable

