

English version

THE RESEARCHER'S MOBILITY PORTAL • PORTUGAL



If you are a researcher planning your next move in Europe look here for career opportunities in Portugal and to find relevant information and assistance



Home page

For Organisations

- [Post research opportunities](#)
- [Find the ideal candidate](#)
- [List of registered organisations](#)

For Researchers

- [Post your CV](#)
- [Find research opportunities](#)
- [Practical information](#)
- [Foreign Researchers Guide](#)
- [Useful links](#)

Portuguese Mobility Centres

- [List and locate Portuguese Mobility Centres](#)

Research Landscape

- [Portuguese research landscape](#)
Find out how research is organised in Portugal.
- [Portuguese research policy](#)
Find out about research policy in Portugal.
- [Women in science](#)
Find out about the situation of women scientists.

Post Research Opportunities

Unique identifier: 8df1449d-bd20-4e72-9fa8-d477c6558499

English

Português

1. Descrição do cargo/posição/bolsa

1. Job description

Job:

Research Grant within the scope of the project: "Tricks or Treats? Toward Selective Organoruthenium(II) Glycoconjugated Anticancer Agents" (PTDC/MED-QUI/31468/2017)

Job/Fellowship Reference: Aviso n.º BI/4/FARM-ID/2020

Main research field: Not available

Sub research field:

Job summary:

Under the Regulation of Research Grants of the Foundation for Science and Technology, IP, Regulation No. 950/2019, published in Diário da República, 2nd Series, No. 241, of December 16, 2019, of the Regulation of Research Grants of the University of Lisbon, Dispatch No. 6238/2020, of 12 June, published in Diário da República, 2nd Series, no. 113, of 12 June 2020, and of the Statute of the Research Fellowship (EBI), Decree-Law no. 123/2019, of 28 August, published in the Diário da República, 1st Series, no. 164, of 28 August 2019, it is made known that a call for the award of a **Research Grant** within the scope of the project: "Tricks or Treats? Toward Selective Organoruthenium(II) Glycoconjugated Anticancer Agents" (**PTDC/MED-QUI/31468/2017**), funded by Foundation for Science and Technology, IP. (FCT, IP.).

Job description:

Under the Regulation of Research Grants of the Foundation for Science and Technology, IP, Regulation No. 950/2019, published in Diário da República, 2nd Series, No. 241, of December 16, 2019, of the Regulation of Research Grants of the University of Lisbon, Dispatch No. 6238/2020, of 12 June, published in Diário da República, 2nd Series, no. 113, of 12 June 2020, and of the Statute of the Research Fellowship (EBI), Decree-Law no. 123/2019, of 28 August, published in the Diário da República, 1st Series, no. 164, of 28 August 2019, it is made known that a call for the award of a **Research Grant** within the scope of the project: "Tricks or Treats? Toward Selective Organoruthenium(II) Glycoconjugated Anticancer Agents" (**PTDC/MED-QUI/31468/2017**), funded by Foundation for Science and Technology, IP. (FCT, IP.).

I. Scientific Area: Molecular & Structural Biology

II. Admission Requirements:

- Master's in Biology, Biochemistry, Chemistry, or similar areas;
- Enrolment in a PhD program, or in a course not conferring a degree integrated in the educational project of a higher education institution.

Preferred Requirements:

- Knowledge in structural & molecular biology
- Experience in molecular genetics laboratory techniques, recombinant protein production (E. Coli), determination of proteins 3D structure.

Research Grant can only be awarded to candidates with a Master degree registered in a non-degree course that do not exceed, an accumulated period of more than 2 years in the same Grant typology, consecutive or intercalated (no. 5 of article 6 of Regulation no. 950/2019).

Research grants may not be awarded to those who are in a situation of unjustified breach of the grant holder's duties during the previous contract (no. 3 of article 13 of Regulation no. 950/2019).

III. Research Grant Duration: The research will have a duration of 6 months, non-renewable, starting in March 2021, on an exclusivity regime, in accordance with the terms of the Regulation of Research Grants of the Foundation for Science and Technology, IP.

IV. Work plan: The objective of the work consists in the production of recombinant hexokinase 2 in *Escherichia coli*, crystallization, and determination of the 3D-structure of protein-ligand complexes, using organometallic glycoconjugated ligands developed throughout the project.

V. Workplace and Scientific Guidance: The work will be carried out in the Medicinal Chemistry Laboratory, at the premises of the Faculty of Pharmacy of the University of Lisbon, and in the Membrane Protein Crystallography laboratory, at the premises of Instituto de Tecnologia Química e Biológica, under the scientific guidance of Dr. Pedro Ricardo da Rocha Florindo e da Dr. Margarida Archer Baltazar Pereira da Silva Franco Frazão.

VI. Monthly maintenance stipend: The monthly maintenance stipend (grant) corresponds to 1074,64€, according to the table of values directly attributed by FCT, I.P. in Portugal (<https://www.fct.pt/apoios/bolsas/valores>). Payment will be made via bank transfer.

In addition to the monthly maintenance stipend the grant holder will also be awarded with the value correspondent to the payment of the first step of Seguro Social Voluntário (voluntary payment of Social Security), in case he/she chooses to be included in this regime.

VII. Formalization of applications: Applications must be sent in non-editable format (PDF), to the address concursos@farm-id.pt, containing the identification of the above mentioned notice. Applications in paper format will not be accepted.

VIII. Application deadline: The deadline for applications is from **1st to 12th February 2021 (10 working days)**.

IX. Evaluation and rating criteria:

Candidate's Merit:

- Adequacy of the Scientific Training Area (AACF): Candidates will be ranked based their performance in the respective Master Courses (Biology, Biochemistry, Chemistry, or related courses), with a maximum weighting of 20%;
- Laboratory Experience (FE): Candidates will be ranked based on their knowledge in structural and molecular biology, with a maximum weighting of 50%, specifically in:
 - o Molecular biology techniques, including expression and cloning;
 - o Protein purification and crystallization;
 - o Collecting and processing of X-ray diffraction data;
 - o Crystallographic refinement and structural and functional analysis of proteins;
 - o Biophysical characterization: fluorimetry, calorimetry, circular dichroism, and nuclear magnetic resonance.
- Specific skills for the proposed work plan (CEPTP): Candidates must have experience in molecular genetics laboratory techniques, recombinant protein production in *E. Coli*, and determination of protein 3D structure, with a maximum weighting of 30%, specifically:
 - o Previous experience in cellular culture, protein purification by affinity columns and gel filtration, and sample analysis by polyacrylamide gels (SDS-PAGE) and western blot;
 - o Solid knowledge in crystallography, data processing programs, refinement, and analysis of protein-ligand complexes 3D.

In case of differences in classification of less 1 point an individual interview may be held to the 2 (two) best candidates.

Individual Interview:

With a weighting of 30% and a maximum duration of 30 minutes, the individual interview aims to evaluate, in an objective and systematic way, the following criteria:

The score of the individual interview will be obtained by the simple arithmetic mean of the classification criteria, which will be done according to the following parameters: High (20 values), Good (16 values), Sufficient (12 values), Reduced (8 values) and Insufficient (4 values), by filling in an individual form.

Final Classification: The score obtained in the final classification results from the sum of the points obtained in the Candidate's Merit, in which an individual form will be filled for each candidate. In case an Interview is made, AACF will be worth 10%, FE will be worth 40%, and CEPTP will be worth 20%. The Interview will have a weight of 30% (or without weight).

X. Instruction of Application: a) Application form containing the candidate's identification (made available through the link https://www.ff.ulisboa.pt/farm-id/#tab_recrutamento); b) Curriculum Vitae containing the information necessary for the evaluation of the application; c) Certificate proving inscription in a cycle of studies, or course not conferring a degree (Course payment/Frequency obligatory only for acceptance of the grant); d) Work Plan to be developed; e) Declaration on honour stating that there is no professional activity that violates the exclusivity regime (available through the link <https://www.ff.ulisboa.pt/farm->

id/#tab_recrutamento); f) Letter of motivation (optional); g) Contact of two references (optional); h) Other supporting documents considered relevant.

The documents that instruct the application must be submitted in Portuguese or English language. No document that should have been submitted in the application phase can be submitted after the deadline set in the opening notice. Failure to comply with the deadline set for the submission of the application, as well as the lack or late submission of documents referred to in this point will determine the exclusion from the competition.

XI. Composition of the Jury: The Jury responsible for the selection will be constituted by the chairman, Dr. Pedro Ricardo da Rocha Florindo, and members Professor Rui Ferreira Alves Moreira, Dr. Margarida Archer Baltazar Pereira da Silva Franco Frazão, Dr. Rita Sofia Salvador Simões Capela (substitute member) e Doutora Marta Andreia Pais Carrasco (substitute member).

XII. Form of notification of results: All candidates will be notified of the final results of the evaluation by email, and will have 10 working days after the aforementioned notification to say something, in accordance with the terms of the Code of Administrative Procedure. After this notification, and in case there are no claims, the results will become final. In case of claims, and after the allegation is analysed and accepted or rejected, the results will become final after 10 business days.

After the final decision is made, a complaint/appeal can be filed to the Director of the FARM-ID - Faculty of Pharmacy Research and Development Association, Maria Beatriz da Silva Lima, PhD, Full Professor, within 10 working days from the date of notification.

XIII. Applicable legislation and regulations: Regulation of Research Grants of the Foundation for Science and Technology, I.P. (FCT, IP), Regulation no. 950/2019, published in the Diário da República, 2nd Series, no. 241, of December 16, 2019, of the Regulation of Research Grants of the University of Lisbon, Order no. 6238/2020, of 12 June, published in the Diário da República, 2nd Series, no. 113, of 12 June 2020, and of the Research Fellowship Statute (EBI), Decree-Law no. 123/2019, of 28 August, published in Diário da República, 1st Series, no. 164, of 28 August 2019.

Faculty of Pharmacy Research and Development Association, 15 January 2021.

Vacant posts: 1

Type of contract: Other

Job country: Portugal

Job city: Lisboa

Job company/institute: FARM-ID - Associação da Faculdade de Farmácia da Universidade de Lisboa

Application deadline: 12 Fevereiro 2021
(The Application's deadline must be confirmed on the Job Description)

[↑ Top of page](#)

2. Dados de contactos da organização

2. Organization contact data

Organization/institute: FARM-ID - ASSOCIAÇÃO DA FACULDADE DE FARMÁCIA PARA A INVESTIGAÇÃO E DESENVOLVIMENTO

Address:
AVENIDA PROFESSOR GAMA PINTO S/N
LISBOA - 1649-003 LISBOA
Portugal

Email: geral@farm-id.pt

Website: not available

[↑ Top of page](#)

3. Habilitações académicas

3. Required education Level

Degree: Mestrado em Biologia, Bioquímica, Química ou áreas afins.

Degree field:	Estar inscrito num programa doutoral ou num curso não conferente de grau académico integrado no projeto educativo de uma instituição de ensino superior. Not available
⬆ Top of page	
4. Línguas exigidas 4. Required languages	
Language:	English
Priority:	High
Reading:	Excelent
Writing:	Excelent
Comprehension:	Excelent
Conversation:	Excelent
Language:	Portuguese
Priority:	High
Reading:	Excelent
Writing:	Excelent
Comprehension:	Excelent
Conversation:	Excelent
⬆ Top of page	
5. Experiência exigida em investigação 5. Required research experience	
Empty	
⬆ Top of page	