

Job offer

JOB PORTUGAL

[Faculdade de Ciências da Universidade de Lisboa](#) | Posted on: 20 November 2024

RESEARCH GRANT FOR PHD STUDENTSHIP (Ref.^a BI-DOUTORANDO-STAR-TRACKER)

Apply now [🔗 \(mailto:candidaturas@ciencias.ulisboa.pt?subject=RESEARCH GRANT FOR PHD STUDENTSHIP \(Ref.^a BI-DOUTORANDO-STAR-TRACKER\)\).](mailto:candidaturas@ciencias.ulisboa.pt?subject=RESEARCH%20GRANT%20FOR%20PHD%20STUDENTSHIP%20(Ref.%20BI-DOUTORANDO-STAR-TRACKER).)

 Share

20 Nov 2024

Job Information

Organisation/Company	Faculdade de Ciências da Universidade de Lisboa
Research Field	Astronomy » Astrophysics
Researcher Profile	First Stage Researcher (R1)
Positions	Master Positions
Country	Portugal
Application Deadline	4 Dec 2024 - 23:59 (Europe/Lisbon)
Type of Contract	Other
	Other

Type of Contract Extra Information

Job Status	Full-time
Is the job funded through the EU Research Framework Programme?	Not funded by a EU programme
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

At the Faculty of Sciences of the University of Lisbon (Ciências ULisboa), a call is open for the attribution of 1 (one) research grant for a PhD Studentship, financed by Ciências ULisboa under the scope of the Project "STAR-TRACKER" (1003SPID_CIENCIAS.1.1.), according to the following conditions:

Work plan:

Continue the development of a dynamic model of the evolution of the structure of the Milky Way defined by open clusters (OCs). The model updates include:

- Prediction of the kinematic evolution of the OC population.
- Exploration of alternative Galactic potentials.
- Disruptive effects of the internal dynamics of the OCs. Simulations using the model will be compared with observational data from ESA's Gaia satellite through detailed statistical analyses

Fellowship duration:

The grant is expected to start on January 2024. The contract, with an initial duration of 12 (twelve) months, on an exclusive basis, may eventually be renewed for a maximum limit of 17 months (including the initial contract), subject to budget availability.

Form of presentation of applications:

Applications may be sent by e-mail, to the address candidaturas@ciencias.ulisboa.pt, with the reference " Ref.^a BI-DOUTORANDO-STAR-TRACKER ", under penalty of not being considered for the competition.

Applications must be accompanied, compulsorily and under penalty of exclusion, by the following documents. No document, which must be submitted at the time of application, may be submitted after the deadline for submission:

- Personal data form and declaration of consent for communication of results via e-mail;
- Declaration under oath;
- Proof of enrolment, in the PhD in Physics and Astrophysics in the academic year 2024/2025;
- Detailed and updated Curriculum Vitae;
- Photocopy of the qualification certificate(s) of the academic degree(s) required - MSc degree;
- If the academic degree, required in the present announcement as an admission requirement for the type of scholarship in question, was obtained abroad, you must submit one of the following documents: (See also the NOTES below)
 - Document proving the granting, by a Portuguese Institution, of the recognition or equivalence or registration of the academic degree;

- Document proving that you have already applied for the recognition of the degree, which application must be submitted by the deadline for receipt of applications, inclusive.

Notes:

- 1) The presentation of the proof of obtaining the recognition or equivalence or registration of the academic degree is a mandatory condition for signing the contract;
- 2) For academic degrees obtained in foreign countries, which have not yet obtained either recognition or equivalence or registration of the degree, it is necessary to recognise it, under the terms provided for in Decree Law no. 66/2018, of 16 August, combined with Ordinance no. 33/2019, of 25 January, as currently amended.

Where to apply

E-mail candidaturas@ciencias.ulisboa.pt

Requirements

Research Field Astronomy » Astrophysics

Education Level Master Degree or equivalent

Skills/Qualifications

Candidates must fulfil the following mandatory requirements:

- Master's degree in Physics and/or Astrophysics;
- Enrollment in the 2024/2025 academic year in the PhD program in Physics and Astrophysics at FCUL;
- Research experience in the structure and kinematics of stellar populations with data from the Gaia mission;
- Proficiency in using the "galpy" python package for galactic dynamics;
- Proficiency in statistical analysis using methods such as bootstrapping, kernel density estimation, and Bayesian inference in python.

Specific Requirements

Preference will be given to candidates with the following requirements:

- Object-oriented programming, programming in Java.

Languages PORTUGUESE

Level Excellent

Languages ENGLISH

Level Excellent

Internal Application form(s) needed**Formulários_1.pdf****English** (134 KB - PDF)Download [↓ \(https://euraxess.ec.europa.eu/sites/default/files/jobs/2024-11/Formul%C3%A1rios_1.pdf\)](https://euraxess.ec.europa.eu/sites/default/files/jobs/2024-11/Formul%C3%A1rios_1.pdf)

Additional Information

Benefits**Monthly allowance and social security:**

- The fellowship amount corresponds to € 1259.64 (one thousand two hundred and fifty-nine euros and sixty four cents), according to FCT Regulation for Research Fellowships, published by Regulation no. 950/2019 in the Diário da República, 2nd series, no. 241, of 16th of December, amended by Regulation No. 643/2021, published in the Diário da República, 2nd Series, No. 135, of 14 July, and available in the link:

https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf

It will be paid monthly by bank transfer;

- The candidate to be hired may exercise his right to social insurance by joining the voluntary social insurance scheme, under the terms of the Statute of the Research Fellowship. The financing entities assume the costs resulting from the contributions provided for this Social Insurance, according to the Statute of the Research Fellowship.

Selection process**Selection criteria:**

The applicable selection methods will be curricular evaluation and, eventually, a selection interview.

If the jury chooses to conduct a selection interview, it will be conducted with the three (3) candidates with the best classification in the curricular assessment.

In the event that the selection interview is held, the final evaluation will be obtained considering the following weightings: 50% for the curricular evaluation and 50% for the selection interview.

The selection methods are eliminatory, and candidates who obtain a score of less than 9.5 in one of the selection methods or stages of the procedure will be excluded, and the next method or stage will not be applied to these candidates.

Selection committee:

André Maria da Silva Dias Moitinho de Almeida (President), António Joaquim Rosa Amorim Barbosa (1st Effective Member), Paulo Jorge Valente Garcia (2nd Effective Member), José Maria Longras Figueiredo (1st Alternate Member) and Koraljka Muzic (2nd Alternate Member).

Form of publication/notification of results:

All candidates will be notified of the final result of the evaluation, sent to the email address used for sending the respective application, or by post, to the address given in the Personal Data Form,

through a sorted list, in descending order of the final evaluation obtained.

Additional comments

Legislation framework:

- Research Fellowship Holder Statute - Law no. 40/2004, of August 18, amended by Decree-Law No. 202/2012, of August 27, by Decree-Law No. 233/2012, of October 29, by Law No. 12/2013, of January 29, by Decree-Law No. 89/2013, of July 9, and by Decree-Law No. 123/2019, of August 28;
- FCT Regulation for Research Fellowships - Regulation no. 950/2019 in the Diário da República, 2nd Series, no. 241, of 16 of December, amended by Regulation No. 643/2021, published in the Diário da República, 2nd Series, No. 135, of 14 July.

To see the full offer please check the following link:

www.ciencias.ulisboa.pt/concursos?id=4787

Workplace:

The work will be developed at Laboratory 8.5.02, located in the Campus of the Faculty of Sciences of the University of Lisbon, located in Campo Grande, 1749-016 Lisbon.

SCIENTIFIC SUPERVISION: André Maria da Silva Dias Moitinho de Almeida

Website for additional job details <http://www.ciencias.ulisboa.pt/concursos?id=4787>

Work Location(s)






Number of offers available	1
Company/Institute	Faculdade de Ciências da Universidade de Lisboa
Country	Portugal
State/Province	Lisboa
City	Lisboa
Postal Code	1749-016
Street	Campo Grande
Geofield	

Contact

State/Province	Lisboa
City	Lisboa
Website	https://ciencias.ulisboa.pt/
Street	Campo Grande
Postal Code	1749-016
E-Mail	candidaturas@ciencias.ulisboa.pt

Apply now [✉](mailto:candidaturas@ciencias.ulisboa.pt?subject=RESEARCH GRANT FOR PHD STUDENTSHIP (Ref.ª BI-DOCTORANDO-STAR-TRACKER)) ([mailto:candidaturas@ciencias.ulisboa.pt?subject=RESEARCH GRANT FOR PHD STUDENTSHIP \(Ref.ª BI-DOCTORANDO-STAR-TRACKER\)](mailto:candidaturas@ciencias.ulisboa.pt?subject=RESEARCH GRANT FOR PHD STUDENTSHIP (Ref.ª BI-DOCTORANDO-STAR-TRACKER))).

Share this page

-  [X \(formerly Twitter\)](#)
-  [Facebook](#)
-  [LinkedIn](#)
-  [Whatsapp](#)
-  [More share options](#)