

## Call for awarding one Research Fellowship

Ref. BI-MESTRE-IF/00069/2015

One Research Fellowship for Master degree holders is available with **Faculdade de Ciências da Universidade de Lisboa (FCUL)**, financed by National Funds through the Foundation for Science and Technology, I.P. (FCT)/MCTES, within the scope of the Exploratory Project of the Research Program FCT 2015, Ref. IF/00069/2015, with the following conditions:

1. **Scientific Area:** Mathematical Physics

2. **Requirements for admission:**

**Mandatory:**

- Master degree in Physics, Mathematics or related fields.

If the academic degree required in this Notice as a requirement for admission to the type of fellowship in question has been obtained abroad, you must take into account the mention in point 13 of this Notice regarding certificates of academic qualification.

**Preferential:**

- Scientific publications in the area of quantum integrable systems or conformal field theories or ODE / IM correspondence.

3. **Work Plan:**

- To study the ODE / IM correspondence of the Quantum KdV model in the large angular momentum limit;
- To develop numerical and theoretical methods to study the Puiseux series that must describe the differential operators corresponding to the excited states.

4. **Legislation framework:**

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, and by Decree-Law No. 89/2013, of July 9 (Lisbon University Fellowships Regulation), and the Research Grants Regulation of the University published in the Order (extract) No. 6977/2015, dated June 23, amended by Order No. 3146/2019, published on March 21, available in the link <https://dre.pt/application/conteudo/121357350> rectified by Declaration of Rectification no. 413/2019, of May 9, published in Diário da República, 2nd series, no. 89 and available in <https://dre.pt/application/conteudo/122263538>

5. **Place of work:**

The work will be developed at FCUL.

6. **Scientific supervision:**

Davide Masoero, PhD.

7. **Fellowship duration:**

The fellowship is expected to begin in October 2019. This fellowship is open for 06 (six) months, with an exclusivity regime, possibly renewable once, for 03 (three) months.

8. **Monthly allowance and Social Security:**

8.1. The fellowship amount corresponds to € 989,70 (nine hundred and eighty-nine euros and seventy cents), according to Lisbon University Fellowships Regulation, amended and published, in annex to the Order No. 3146/2019, published on March 21 (<https://dre.pt/application/conteudo/121357350>). It will be paid monthly by bank transfer;

8.2. 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.

**9. Selection criteria:**

Candidates will be assessed based on their *Curriculum vitae* (CV) evaluation and, eventually, on a selection interview.

If the selection jury decides to proceed with the selection interview it will be held to the 02 (two) candidates with the highest classifications in the CV evaluation. In this case, the final classification will be obtained with a weighted average considering the following weights: 70% for the CV evaluation and 30% for the selection interview.

**10. Selection Committee:**

Davide Masoero, PhD (President), Professor Carlos Armino Arango Florentino (1<sup>st</sup> Effective Member), Professor Jean-Claude Zambrini (2<sup>nd</sup> Effective Member), Miguel Tierz Parra, PhD (1<sup>st</sup> Alternate Member) and Professor Ana Bela Cruzeiro (2<sup>nd</sup> Alternate member).

**11. Publication/notification of results:**

The final results of the evaluation will become public, through a final grade ordered list which will be posted at the entrance hall of Faculdade de Ciências da Universidade de Lisboa, C4 building, Campo Grande, 1749-016 Lisboa.

All applicants will be notified of the results of the evaluation to the email address used for sending the respective application, or by post to the applicant's address.

**12. Deadlines:**

This call for applications is open from August 30th to September 12th, 2019.

**13. Application:**

Application may be sent via e-mail to [candidaturas@ciencias.ulisboa.pt](mailto:candidaturas@ciencias.ulisboa.pt), or personally, during office hours (9.30 a.m. to 4.00 p.m.), at the office address of Núcleo de Expediente da Faculdade de Ciências da Universidade de Lisboa, Edifício C5, piso 1, Campo Grande, 1749-016 Lisboa, until the deadline. **Whatever the form of submission of the application, it should mention the reference "BI-MESTRE-IF/00069/2015", under penalty of not being considered in the present call.**

Applications must be accompanied by the following documents:

- Requirement, prepared by the candidate, stating personal information (full name, ID number and expiration date, Nationality, and full address with postal code);
- Residence authorization, permanent residence authorization or long-term resident status, if applicable (In the case of not being Portuguese citizen);
- If you agree to be notified for your post address, please send obligatorily the declaration annexed to this Notice;
- Mandatory and under penalty of exclusion from this call, documents proving that the candidate meets the conditions required for the type of fellowship, namely certificates of qualification of the required academic degrees, with final average and with the classifications in all the curricular units carried out;  
In case the academic degree required in this notice, as a requirement for admission to the type of fellowship in question has been obtained abroad, one of the following documents must be submitted compulsorily and under penalty of exclusion from the call: (See also the note below).
  - a) Document proving the granting the recognition or equivalence or registration of the academic degree, by a Portuguese Institution;
  - b) Document proving that you have already applied for the recognition of the degree, whose request must be submitted until the deadline for apply to this call.
- Obligatory and under penalty of exclusion from this call, *Curriculum Vitae*, detailed and updated;
- Certificates that prove the qualifications contained in the Curriculum Vitae;

- Document of employment status, indicating the nature of the bond and functions; this document can be replaced by a declaration under honor commitment if there is any professional activity or the provision of services;
- Motivation letter;
- Optionally, reference letters.

NOTE:

- 1) The exhibition of proof of recognition or equivalence or registration of the degree is a mandatory condition for signing the contract;
- 2) For academic degrees obtained in foreign countries, to which was not yet granted the recognition or equivalence or the registration of the degree, it is necessary its recognition, according to the terms established in the Decree-Law no. 66/2018 of August 16, in conjunction with Ordinance no. 33/2019 of January 25.

For more information you can consult, for example, the following link of the University of Lisbon:  
<https://www.ulisboa.pt/info/reconhecimento-de-habilitacoes-estrangeiras>

## DECLARATION

\_\_\_\_\_ (name of the candidate), declare that if the selection jury chooses to communicate and or notify applicants by e-mail, I agree that such communications and or notifications are made to the email address used for submission of my application.

(Date)

(Signature)