

## Call for awarding one Post Doctoral Research Fellowship

Ref.<sup>a</sup> BIPD-IF/00069/2015

One Research Fellowship for PhD 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:**

- PhD in Mathematics, Theoretical Physics, or related fields, obtained until 3 years before the date of your application.

If the PhD 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:**

- Publications in the field of quantum integrable systems.

3. **Work Plan:**

- Study the ODE / IM correspondence for the excited states of the Quantum KdV model;
- Develop numerical and theoretical methods to study the solutions of the Bazhanov-Lukaynov-Zamolodchikov equations for “monster potentials”.

4. **Legislation framework:**

- 4.1. 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 (Research Fellowship Holder Statute);
- 4.2. FCT Regulation for Research Fellowships, published by Regulation no. 950/2019 in the Diário da República, 2<sup>nd</sup> series, no. 241, of 16<sup>th</sup> of December, and available in the link: <https://dre.pt/application/conteudo/127238533>.

5. **Place of work:**

The work will be developed at the Mathematics Department of FCUL.

6. **Scientific supervision:**

Davide Masoero, PhD.

7. **Fellowship duration:**

The fellowship is expected to begin in July 2020. This fellowship is open for 05 (five) months, with an exclusivity regime, without possibility for renewal.

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

- 8.1. The fellowship amount corresponds to € 1.600,00 (one thousand and six hundred euros), according to FCT Regulation for Research Fellowships, published by Regulation no. 950/2019 in the Diário da República, 2<sup>nd</sup> series, no. 241, of 16<sup>th</sup> of December, and available in the link: <https://www.fct.pt/apoios/bolsas/valores.phtml.pt>. 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 Jean-Claude Zambrini (1<sup>st</sup> Effective Member) and Léonard Monsaingeon, PhD (2<sup>nd</sup> Effective Member). The alternate members are Professor Carlos Armino Arango Florentino (1<sup>st</sup> Alternate Member) and Professor Ana Bela Cruzeiro (2<sup>nd</sup> Alternate member).

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

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, through a final grade ordered list.

12. **Deadlines:**

This call for applications is open from May 26<sup>th</sup> to June 8<sup>th</sup>, 2020.

13. **Application:**

Application must be sent via e-mail to [candidaturas@ciencias.ulisboa.pt](mailto:candidaturas@ciencias.ulisboa.pt), until the deadline. **The application must mention the reference "BIPD-IF/00069/2015", under penalty of not being considered in the present call.**

Applications must be accompanied by the following documents, sent within the deadline for applications, under penalty of not being considered in the present call (no document presented after the end of the deadline will be considered):

- Personal Data and Declaration of Consent to Receive the Results Via Email (**form below**);
- *Curriculum Vitae*, detailed and updated;
- Certificates of qualification of the required academic degrees, with final average;
- In case the PhD 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.
- Declaration of honor stating that the candidate meets all the obligatory conditions for the assignment of the present Research Fellowship (**form below**).

**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>

**PERSONAL DATA AND DECLARATION OF CONSENT TO RECEIVE THE RESULTS VIA EMAIL**

Full Name: \_\_\_\_\_

ID Number: \_\_\_\_\_ Valid until: \_\_\_\_/\_\_\_\_/\_\_\_\_

Nationality: \_\_\_\_\_

Complete address: \_\_\_\_\_

Postal-code: \_\_\_\_/\_\_\_\_ \_\_\_\_\_

☐ I 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.

\_\_\_\_/\_\_\_\_/2020

\_\_\_\_\_  
(signature)

**DECLARATIONS OF HONOUR  
(POST-DOCTORAL RESEARCH FELLOWSHIP)**

I, \_\_\_\_\_, following my application to the call to work within the Project \_\_\_\_\_, with reference \_\_\_\_\_, declare that it is my sole responsibility to certify that all the information in my *Curriculum Vitae*, as well as the information provided below, which cumulatively determine my admission or exclusion from this call, is true (please tick the conditions that you fulfill):

- ☐ My PhD degree was obtained in the three years preceding the submission date of my application for this fellowship;
- ☐ The work plan of the fellowship to which I am applying will be carried out in a different entity from the one where I conducted the research work that led to the award of my PhD degree;
- ☐ I declare that, with the conclusion of the fellowship contract in question, including possible renewals, it will not be exceeded an accumulated period of three years in this type of fellowship, continuous or interpolated.

I further declare that:

- ☐ I am being informed that any false declarations may imply my non-admission to the present call or, in case that I was the selected candidate, the termination of the fellowship contract in question, with the eventual return of the monthly allowance already paid;
- ☐ I am being informed that, in case that I was the selected candidate, I may be asked for additional elements/information to prove the veracity of the statements made above.

\_\_\_\_\_ 2020

\_\_\_\_\_  
(Signature of the candidate)