

# 2914

## Public Notice - International Selection Procedure

### Recruitment of a Marie Curie Early Stage Researcher for a PhD student (employment contract)

#### ActiveMatter GA 812780

**Research Field: Soft Matter Physics, Active Matter**

**FCiências.ID - Associação para a Investigação e Desenvolvimento de Ciências**, through its President of the Administration Board, hereby announces the opening of an international call for the **recruitment of a Marie Curie Early Stage Researcher for a PhD student** to be developed at the Center for Theoretical and Computational Physics (<http://www.cftc.fc.ul.pt>), University of Lisbon, Portugal, within the scope of the project **ActiveMatter: From Fundamental Science to Technological Applications** with the reference **GA 812780**, to be funded by the Marie-Sklodowska-Curie Innovative Training Network within the Horizon 2020 Programme of the European Union in the form of an employment contract for fixed term on an exclusive regime, according to the Portuguese Labour Code and complementary legislation.

#### I - Admission Requirements

The successful candidate must enrol as a PhD student in the PhD Programme in Physics at the Faculty of Sciences, University of Lisbon, Portugal.

The successful candidate must demonstrate eligibility according to the Marie Skłodowska-Curie Actions eligibility requirements as an Early-Stage Researcher (ESR). Please see page 17 at [https://ec.europa.eu/research/mariecurieactions/sites/mariecurie2/files/library/documents/2017-itn-applicant-guide\\_en.pdf](https://ec.europa.eu/research/mariecurieactions/sites/mariecurie2/files/library/documents/2017-itn-applicant-guide_en.pdf)

A master's degree<sup>1</sup> in Physics or related area as well as knowledge of modern research techniques in Soft Matter Physics is essential, while some expertise in active matter and Computational Physics is highly desirable. Moreover, the applicant must be in the first four years (full-time equivalent research experience) of his/her research career and have not been awarded a doctoral degree. The applicant can be of any nationality but should not have resided in Portugal for more than 12 months in the 3 years immediately prior to the reference starting date.

<sup>1</sup> Please note that Degrees obtained in foreign countries need a Portuguese Recognition issued by a Portuguese high degree Institution, according to the [Decree-Law nr. 66/2018](#), of august 16<sup>th</sup> and the [Ministerial Order nr. 33/2019](#), of January 25<sup>th</sup>. The presentation of such Recognition is mandatory for contract signature. More information can be obtained in: <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>.

#### II. Applicable Law

1. Portuguese Labour Code, as approved by Law No. 7/2009, of February 12<sup>th</sup>, in its current version (CT);

#### III. Work Plan

The ActiveMatter Consortium aims at training a new generation of physicists and engineers with the scientific insight and managerial skills to harness active matter at mesoscopic and nanoscopic length-scales and to exploit it in high-impact applications (e.g. the design and fabrication of biomimetic materials, the targeted localization, pick-up and transport of nanoscopic cargoes, drug delivery, bioremediation and chemical sensing). The ESR6 (position) aims at modeling and simulate the dynamics of active matter to identify and understand non-equilibrium patterns emerging in the presence of time-varying constraints.

#### **IV. Composition of the Jury**

The members of the jury are:

- President – Dr. Nuno Araújo
- 1st Evaluator – Professor Margarida Telo da Gama
- 2nd Evaluator – Dr. Cristóvão Dias
- 1st Alternate Evaluator – Dr. Jose Maria Cantista de Castro Tavares
- 2nd Alternate Evaluator – Dr. Pedro Manuel Alves Patricio da Silva

#### **V. Place of work**

The work will be developed at the Center for Theoretical and Computational Physics (<http://www.cftc.fc.ul.pt>) under the scientific guidance of Dr. Nuno Araújo and Professor Margarida Telo da Gama. The successful candidate will also go on secondments (lasting 1 to 3 months) to other partners of the ActiveMatter Consortium.

#### **VI. Contract Duration**

Applications are invited for an initial 12-month period work contract (Early Stage Researcher), renewable at a maximum of **36 months**, fully funded by the H2020 Marie Skłodowska-Curie Action and available from September 2019 (estimated date).

**The successful candidate has to enrol in the PhD Programme in Physics at the Faculty of Sciences, University of Lisbon, Portugal.**

#### **VII. Monthly Allowance**

The successful candidates will receive an attractive salary in accordance with the MSCA regulations for Early Stage Researchers. The exact (net) salary will be confirmed upon appointment and is dependent on local tax regulations and on the country correction factor (to allow for the difference in cost of living in different EU Member States). The salary includes a living allowance, a mobility allowance and a family allowance (if applicable). The guaranteed PhD funding is for 36 months. In addition to their individual scientific projects, all fellows will benefit from further continuing education, which includes internships and secondments, a variety of training modules as well as transferable skills courses and active participation in workshops and conferences.

#### **VIII. Evaluation of applications**

1. Failure to comply with the Admission Requirements implies the non-admission of candidates in absolute merit.
2. The final classification of candidates is given on a scale of 0 to 100%.
3. Evaluation of the relative merit of candidates, will rely on the following criteria:
  - a) Curriculum Vitae 60%;
  - b) Motivation letter 20%
  - c) Assessment of the references provided by the candidate 10%;
  - d) Interview, if deemed necessary by the jury - 10%.
4. The jury may decide to interview the three best ranked [in criteria a) to d) of paragraph 3)] candidates, for clarifications and improved explanations of curricular elements.
5. The jury shall deliberate by means of a roll-call vote based on the evaluation criteria.
6. Minutes of the jury meetings are drawn up, summarizing all relevant elements considered by jury members, as well as their individual votes and justifications.
7. After completion of the evaluation process, the jury will draw up a ranking of successful candidates with their classifications.

8. The evaluation results will be published on the website of the FCiências.ID (<http://www.fciencias-id.pt/Concursos> tab). The candidates will be individually notified of the evaluation results by e-mail sent to the address indicated in the "Personal Data" section of the submitted form.
9. After the publication of results the candidates have 10 working days to present in prior hearing a request of additional justification about the evaluation.
10. The communication between FCiências.ID and the candidates will be electronic and will comply with the following rules:
  - a) FCiências.ID will send an email message acknowledging documents received to the email address used by the candidates.
  - b) In case of absence of a confirmation receipt by FCiências.ID – showing the possibility of technical problems that should neither be the responsibility of the candidate nor FCiências.ID - the candidates should contact FCiências.ID to ensure delivery and proper receipt of the documents concerned.

#### **IX. Compliance with public policies**

1. FCiências.ID actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, benefited, disadvantaged or deprived of any right or exempt from any duty due to, inter alia, ancestry, age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs and trade union membership.
2. Under the terms of D.L. No. 29/2001, of February 3, a disabled candidate has a preference in equal classification, which prevails over any other legal preference. Candidates must declare their respective degree of disability, the type of disability and the means of communication / expression to be used in the selection process, under the terms of the above-mentioned diploma.

#### **X. Submission of Applications**

1. Applications must be submitted by attaching the following documents: Curriculum Vitae, certificate of academic degree, motivation letter, and up to two recommendation letters.
2. Applications will be submitted online from **28/06/2019 to 20/07/2019** through the electronic platform of FCiências.ID (<http://concursos.fciencias-id.pt>).
3. On the electronic platform, applicants will complete a *mandatory* section on Personal Data [name, address, date of birth, contact email, nationality and scientific identifiers] and upload files with the documents listed below:
  - i. Detailed curriculum vitae - *mandatory*;
  - ii. A motivation letter clearly demonstrating that the candidate has an adequate profile for the position and fully complies with the Admission Requirements - *mandatory*;
  - iii. Digital copies of documents proving formal academic degrees and/or other scientific and professional qualifications - original documents must be provided in case of actual recruitment-*mandatory*;
  - iv. up to two recommendation letters - *mandatory*;

**The application and all the required documents may be submitted in English.**

Informal inquiries can be directed only via email to Professor Nuno Araújo [[nmaraujo@fc.ul.pt](mailto:nmaraujo@fc.ul.pt)].

4. By decision of the President of the Jury, candidates who do not submit the documents identified in paragraph 3 will not be admitted to the call. In case of doubts, the President may also invite candidates to

substantiate specific data or statements with official supporting documents, before accepting the candidates' submission.

This Public Note was approved by the jury on 27 of June 2019.