

Title: One postdoctoral fellowship in mathematics

One postdoctoral fellowship is opened at Centre of Mathematics and Applications (CMA) within the scope of the project *Semigroups: Conjugacy, Computation, Crystals and Combinatorics*, Ref.^a PTDC/MAT-PUR/31174/2017 / NOVA.ID.FCT – Associação para a Investigação e Desenvolvimento da FCT (Mathematics/UI297), with the reference **#B01NI**, which is financed by national funds from FCT/OE.

1. **Scientific area:** Mathematics
2. **Admission Requirements:** Applicants must have completed, before the date of submission of the application, a PhD degree in Mathematics, preferably in Semigroup Theory.
3. **Work Plan:** A scientific collaboration with the members of the project PTDC 2017 - PTDC/MAT-PUR/31174/2017 "*Semigroups: Conjugacy, Computation, Crystals and Combinatorics*" (funded by the Portuguese Foundation for Science and Technology) is expected. The successful candidate will have to take an active part in the research activities of the working group.
4. **Rules and Regulations:** Law n^o 40/2004, of 18th August altered and republished by Decree-Law n^o 202/2012 of August 27th (Scientific Research Fellow Statute) and altered by the Decree-Law n^o 233/2012 of October 29th and by the Law n^o 12/2013 of January 29th. Regulations for Advanced Training and Qualification of Human Resources, I.P in force (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>).
5. **Working location and supervisor:** The work is to be carried out at the facilities of the Department of Mathematics, at Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa (FCT-NOVA) under the scientific supervision of António Malheiro.
6. **Fellowship duration:** The fellowship is for an initial period of 12 months, renewable during the term of the project. The contract should start in 2018.
7. **Salary and benefits:** According to the regulations of the FCT Scientific Fellowships in Portugal (<http://alfa.fct.mctes.pt/apoios/bolsas/valores.phtml.en>) the net salary will be of 1495 EUR/month, which will be paid monthly by bank transfer. The fellow will be covered by a personal accident insurance and can contribute voluntarily to the national social security system, according to Decree-

Law nº 40/89, of 1 February.

8. **Selection methodology:**

The selection methodology has two stages. In the 1st stage candidates are ranked (on a scale from 0 to 100) taking into account their curricular evaluation. In the 2nd stage there will be an individual interview-based selection (through Skype) of the first three candidates from the 1st stage. The final weights of the first three candidates considers:

- curricular evaluation (60%);
- interview (40%).

The juri will analyse the Curriculum Vitae of the candidates in terms of the quantity and quality of the research outputs, valued for its impact and recognition within the scientific community, with emphasis on those in the area of the project. The evaluation will not be limited to the analysis of the scientific production at the time of presentation of the application documentation, but also in assessing the inherent productivity and potential that may be associated with it.

9. **Jury members:**

President of the Jury: António Malheiro, CMA and DM-FCT-UNL.
Effective Jurors: Alan Cain, CMA-FCT-UNL;
João Araújo, DM-FCT-UNL.
Substitute Juror: Michael Kinyon, University of Denver.

10. **Notification of Results:** The evaluation results will be publicly announced through a sorted list in a public, visible place at the Department of Mathematics of FCT-UNL. Additionally, the candidates will be notified by e-mail. The jury reserves the possibility of not selecting any of the candidates, if a minimum

quality threshold is not guaranteed.

11. **Application Procedure:** Application from 6th to 19th November of 2018.
Candidates should send by email the following documents in *pdf* format:

- (a) Curriculum Vitae;
- (b) Recommendation letter (optional).

Candidates must supply the certificate of the PhD by the start of the contract.

Applications should be sent to the email: ajm@fct.unl.pt with the subject “[SemiComb] Application to fellowship”.