

## CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

### One Post-Doctoral Fellowship

One Post-Doctoral Fellowship is open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project **PAC nº 16428 – MEDPERSYST - Redes sinápticas e abordagens compreensivas de medicina personalizada em doenças neurocortamentais ao longo da vida, POCI-01-0145-FEDER-016428**, financed by national funds by FCT / MCTES (PIDDAC) under the “Programa de atividades conjuntas”/ P2020 under the following conditions:

1. **Scientific Areas:** Neurosciences
2. **Requirements for admission** PhD in Biomedical Engineering, Physics, Mathematics, Bioinformatics, Data and/or Computer Science, or related fields.
3. **Factors preferred:** Previous research experience in Machine Learning, Data Mining, Statistical Analysis (especially multivariate analysis) and/or Medical Imaging (especially EEG, MRI and PET).
4. **Work plan:** This project aims to unveil biomarkers of diseases having synaptic dysfunction as a common denominator: 1- neurodegenerative diseases, 2- neuropsychiatric and neurodevelopment diseases. The tasks involved will include the development and computer implementation of brain connectivity measures and the assessment of their predictive power, as well as the assessment of connectivity tools developed elsewhere within the project. The fellow will develop and implement machine/deep learning algorithms for automated classification of the data acquired throughout the project and for the extraction of relevant biomarkers. He/she will also assist the Principal Investigator in the coordination of project tasks, including interacting with other groups in the project.
5. **Legislation framework:** Statute of the Scientific Research Fellowship, in accordance with Law 40/2004, of 18 August, as amended and republished by Decree-Law No. 202/2012 of 27 August, and as amended by Decree-Law No. 233/2012 of 29 October and by Law No. 12/2013, of January 29, and Decree-Law No. 89/2013 of 9 July; And also by the FCT, I.P. Fellowships Regulation, in force (<https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT.pdf>) and **FCiências.ID** Fellowship Regulation, as approved on 23<sup>rd</sup> February 2017.
6. **Place of work:** The work will be developed at Institute of Biophysics and Biomedical Engineering of the Faculty of Sciences of the University of Lisbon under the scientific guidance of Professors Pedro Almeida, Alexandre Andrade and Hugo Ferreira
7. **Fellowship duration:** This position is initially opened for 6 months and will begin on June 2018. The fellowship contract may be renewed until the end of the project, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P
8. **Monthly allowance:** The fellowship amounts to € 1495, according to table values of the fellowships awarded directly by the FCT, IP. (<http://www.fct.pt/apoios/bolsas/valores>). The fellowship holder will have a personal accident insurance and, if not covered by any social protection scheme can ensure the right to social security through adherence to the voluntary social insurance scheme, pursuant to Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social. The fellowship will be paid monthly by bank transfer.

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9. **Selection method:** Candidates will be assessed by the quality of their CV, in particular the number and impact of published papers, the roles of the candidate on financed projects and their relation to the work proposed, and a relative rank will be produced. The five best scored candidates will be interviewed. The final classification will result from the interview (40%) and the CV evaluation (60%)
10. **Selection Committee: President:** Prof. Pedro Almeida. **Members:** Prof. Hugo Ferreira, Prof. Alexandre Andrade. Prof. Nuno Matela will act as additional member for the jury in case of need.
11. **Publication/notification of results:** The final results of the evaluation will become public, through ordered list *final grade obtained* which will be posted at the entrance hall of the **FCiências.ID**, located at the Faculdade de Ciências da Universidade de Lisboa, C1 bdg – 3<sup>rd</sup> floor, Campo Grande, 1749-016 Lisboa, and the selected candidate will be notified by *e-mail*.
12. **Deadlines:** This call for applications is open from 22<sup>th</sup> May to 5<sup>th</sup> June 2018.
13. **Application:** Applications may be sent via e-mail to [palmeida@fc.ul.pt](mailto:palmeida@fc.ul.pt), with the subject “MEDPERSYST IBEB Postdoctoral position - 1” by attaching the following documents: motivation letter (2 pages maximum), Curriculum Vitae (4 pages maximum), reference contacts and degree certificates.