

## **Post-Doctoral Fellowship (m/f)**

**Internal Reference:** 3DEMT\_BPD\_02\_2016

**Project title:** “3DEMT - A 3D microarray platform for the high-throughput analysis of the role of the extracellular matrix in cancer-associated epithelial-to-mesenchymal transitions”, reference: PTDC/BBB-ECT/2518/2014 and POCI-01-0145-FEDER-016627 (financial support *Programa Operacional Competitividade e Internacionalização – COMPETE 2020 and Fundação para a Ciência e a Tecnologia – via OE*).

### **Candidate profile:**

We are looking for highly motivated candidates with a strong background in organic chemistry and polymers. We welcome candidates with a PhD degree in organic chemistry or related fields, with research experience in polymer synthesis and/or chemical modification, and physicochemical characterization (e.g. NMR, FT-IR and SEC/GPC, among others). Excellent spoken and written English is a requirement. The track record (publications) will be taken into consideration. Candidates should be motivated to work in a multidisciplinary environment in the fields of Bioengineering and Life Sciences.

### **Background and work plan:**

We are recruiting a motivated postdoctoral research fellow to carry out work in the framework of 3DEMT project. The work will involve the development of new formulations of hydrogels for 3D cell culture, and the establishment of a high-throughput 3D microarray platform for analysing cell behaviour inside those hydrogels. In particular, this platform will be used to study epithelial-to-mesenchymal transitions (EMT) implicated in cancer invasion processes. The successful candidate will join the Biocarrier group at i3S – Institute for Research and Innovation in Health in Porto-Portugal ([www.i3s.up.pt](http://www.i3s.up.pt)), and will work in Cristina Barrias’ Team.

### **Grant conditions:**

The fellowship is due to start in September 19th 2016. The initial grant will be awarded for 6 months, eventually renewable for up to 24 months. The monthly amount of the fellowship is € 1495 (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>) paid by bank transfer.

### **Legislation and applicable laws:**

Grants at INEB are regulated by current laws relating to the Statute of Science Research Fellows of Fundação para a Ciência e Tecnologia, I.P. - 2015, namely Law 40/2004 of August 18, amended and republished by Decree-Law No. 202/2012 of 27 August and Regulamento de Bolsas de Investigação Científica do INEB ([www.ineb.up.pt](http://www.ineb.up.pt) - “positions”).

**Jury:**

President – Cristina Barrias (PhD); Ordinary members: Ana Paula Pêgo (PhD) and Pedro Granja (PhD); Replacement members: Victoria Leiro (PhD) and Cristina Martins (PhD).

**Evaluation of applications:** Based on the written documentation (CV, motivation letter and references), the three most highly ranked candidates will be selected for a personal interview. The total evaluation will be based on CV (60%, distributed over 25% previous relevant research experience, 25% publication record and 10% motivation letter) and interview (40%).

**Application procedure:** Applications must include a motivation letter in English, CV, 2 reference letters/contacts and PhD certificate and they must be submitted online: [http://portal.i3s.up.pt/gestaocandidaturasineb/index.php?codigo=3DEMT\\_BPD\\_02\\_2016](http://portal.i3s.up.pt/gestaocandidaturasineb/index.php?codigo=3DEMT_BPD_02_2016), between **21<sup>st</sup> June to 5<sup>th</sup> July 2016**.

**Publication of results:** final result and ranking list will be displayed at INEB's webpage ([www.ineb.up.pt](http://www.ineb.up.pt), "positions"). The selected candidate will be notified by email.



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