For Organisations

Universidade do Minho - 3 B's - Research Group - Biomaterials, Biodegradables and Biomimetics
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Unique identifier: 9b7b69c5-c71e-48ae-8a56-ad8aced8d6cc

English

1. Descrição do cargo/posição/bolsa
1. Job description

Job:
Assistant Researchers

Job/Fellowship Reference: AR_SEPTEMBER_2016_FORECAST

Main research field: Not available

Sub research field:

Job summary:

3B's Research Group

Biomaterials, Biodegradables and Biomimetics

ICVS/3B´s Associate Laboratory, University of Minho

Open Call for FIVE Assistant Researchers (AR)
under the H2020 European Project FoReCaST

Reference: AR_SEPTEMBER_2016_FORECAST

Job description:

The 3B's Research Group - Biomaterials, Biodegradables and Biomimetics of University of Minho (www.3bs.uminho.pt), Portugal, a member of the ICVS/3B's – Associate Laboratory, opens a call for 5 Assistant Researchers (equivalent to Assistant Professor) within the framework of the European project H2020-WIDESPREAD-2014-2 ERA Chairs entitled FoReCaST - Forefront Research in 3D Disease Cancer Models as in vitro Screening Technologies.

The FoReCaST project intends to create a new research area at 3B's-UMINHO consisting on the development of in vitro 3D cancer study models, which will copycat the complexity and hierarchically organization of natural ECM of tumor cells found in vivo. The 'ERA Chairs' team will support the Group of Excellence at 3B's- UMINHO to establish itself in the field of cancer research. By increasing the critical mass of excellent researchers, 3B's-UMINHO aims to further enhance its research outputs, including number of publications and citations. Moreover, by supporting the creation of a new research domain, FoReCaST will strength the UMINHO ability to attract competitive funding, at regional, national and international

levels, through an active policy of collaboration with different institutions and financing agencies, e.g. the EU framework programs. This open call has as main objective the hiring five Assistant Researchers, responsible for the Scientific Activities of the project, in respect to the development of advanced 3D tissue engineering models for cancer research, namely:

- RL1- *Metabolic glycoengineering for tumour imaging*;
- RL2- *Bioinformatics*;
- RL3- *Cell engineering*;
- RL4- *Nanotechnologies;*
- RL5- *Cell Metabolism & Signaling*;

The Assistant Researcher Contracts will be attributed under the following conditions:

1. **Contract Term and Legal Status**: The contract is expected to start by November 2016 until 30th of June 2020. It is a full time research contract.
2. **Profile of the candidate:** The selected researchers will be hired to the position of Assistant Researcher (equivalent to Assistant Professor). The experienced researchers (ERA Chairs team) to be hired should hold a PhD degree (more than 5 years experience after completion of the PhD). Excellent English with excellent verbal and written communication skills is also considered crucial. The profile of each researcher should be in accordance with the RL needs, namely:

   - RL1- *Metabolic glycoengineering for tumour imaging*;

She/he should hold a PhD in chemistry or biochemistry with a strong focus on glycan chemistry. Moreover, she/he should demonstrate expertise in cell culture and characterization. Knowledge in imaging techniques will be a great advantage.

- RL2- *Bioinformatics*;

She/he should hold a PhD level and educational background in bioinformatics, biomedical engineering or related subjects with a strong focus on modeling and simulation of biological processes.

- RL3- *Cell engineering*;

She/he should hold a PhD in Biology, Biomedical Engineering or related areas. She/he should have a background in Cellular and Molecular Biology and preferentially with previous experience in cancer research and cancer stem cells.

- RL4- *Nanotechnologies;*

She/he should hold a PhD in materials science, chemistry, biochemistry, biomedical engineering or related subject and her/his profile should comprise expertise in biomaterials and/or nanomedicine or related areas.

- RL5- *Cell Metabolism & Signaling*;

She/he should hold a PhD in Biology, Biomedical Engineering or related areas, with a background in Cell and Molecular Biology, preferentially with previous experience in indirect and direct co-culture of different cells populations.

3. **Work plan:** To execute a work plan involving the scientific objectives as described in Annex I of FORECAST Grant Agreement and be able to spend several periods in International partners, in the context of training activities (for more information visit http://forecast.3bs.pt).
4. **Scholarship Remuneration**: Salary (before taxes) will be in the order of 3,191.82 € per month, 14 months per year (Assistant Researcher).
5. **Legislation**: The contract will be written according to the Portuguese current law on fixed-term contracts and University of Minho internal standards.
6. **Place of work:** Research activities will be developed at 3B's Research Group – Biomaterials, Biodegradables and Biomimetics (http://www.3bs.uminho.pt/) building of the University of Minho in Caldas das Taipas – Guimarães.
7. **Evaluation criteria:** The selection will be based on: A – Curriculum vitae of the candidate; B – Professional experience relevant to the work plan; C – Motivation; D – Interview. The selection parameters will have the following weight percentages: 0.20 x A + 0.30 x B + 0.20 x C + 0.30 x D. The candidates will be classified with a scale of 1 to 20 for each criterion, and candidates classified with a score below 15 in the Curriculum Evaluation will not be admitted to the Interview.
8. **Jury Panel:** Prof. Rui L. Reis (President), Prof. Subhas C. Kundu (ERA Chair), Dr. Manuela Gomes, Dr. Joaquim Miguel Oliveira, Dr. Vitor Correlo and Ariana Santos.
9. **Results:** The final evaluation results will be publicized through an ordered list, and the approved candidate will be notified of the Jury decision by e-mail.
10. **Documents:** Motivation letter (maximum one A4 page), copy of the Certificate of academic degree(s), detailed Curriculum Vitae, Copy of relevant publications, Research ID (ISI) and ORCID number.
11. **Period of application:** The Applications should be submitted (using the Reference: AR_SEPTEMBER_2016_FORECAST) **until October 23rd**, by e-mail to info@3bs.uminho.pt or ordinary mail to:

A/c Prof. Rui L. Reis and Prof. Subhas C. Kundu
3B's Research Group - Biomaterials, Biodegradables and Biomimetics
University of Minho
Headquarters of the European Institute of Excellence on Tissue Engineering and Regenerative Medicine
AvePark, Zona Industrial da Gandra

S. Cláudio do Barco
4805-017 Caldas das Taipas – Guimarães, Portugal

For more information on the 3B's Research Group – University of Minho and the Headquarters of the European Institute of Excellence on Tissue Engineering and Regenerative Medicine, please see: http://www.3bs.uminho.pt or contact Tel.: +351 253 510900

Vacant posts: 5

Type of contract: Temporary

Job country: Portugal

Job city: Caldas das Taipas

Job company/institute: Universidade do Minho - 3B's Research Group

Application deadline: 23 Outubro 2016
(The Application's deadline must be confirmed on the Job Description)

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2. Dados de contactos da organização
2. Organization contact data

Organization/institute: Universidade do Minho - 3 B's - Research Group - Biomaterials, Biodegradables and Biomimetics

Address:
Avepark - Zona Industrial da Gandra
Guimarães - 4805-017
Portugal

Email: info@3bs.uminho.pt

Website: http://www.3bs.uminho.pt/

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3. Habilitações académicas
3. Required education Level

Degree:	The experienced researchers (ERA Chairs team) to be hired should hold a PhD degree (more than 5 years experience after completion of the PhD). Excellent English with excellent verbal and written communication skills is also considered crucial. The profile of each researcher should be in accordance with the RL needs.
Degree field:	Not available

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4. Línguas exigidas
4. Required languages

Language:	English
Priority:	High
Reading:	Excelent
Writing:	Excelent
Comprehension:	Excelent
Conversation:	Excelent

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5. Experiência exigida em investigação
5. Required research experience

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