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Unique identifier: f1d9fb43-5244-4e75-b0a7-c002a5300b4c

Português

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

Cargo/posição/bolsa:
BPD_IgYPurTech_2

Referência: BPD_IgYPurTech_2

Área científica genérica: Chemistry

Área científica específica:

Resumo do anúncio:

Job summary: to investigate aqueous two-phase systems composed of ionic liquids as an alternative platform for the purification of biopharmaceuticals, particularly immunoglobulin Y (IgY) from egg yolk. The major goal of this post-doctoral position comprises the understanding of the molecular-level phenomena responsible for the selective extraction of IgY in selected systems by spectroscopic studies and additional theoretical approaches.

Texto do anúncio

Project: IgY Technology: A Purification Platform using Ionic-Liquid-Based Aqueous Biphasic Systems (IgYPurTech)
European Research Council, Grant agreement no.: 337753

Job summary: to investigate aqueous two-phase systems composed of ionic liquids as an alternative platform for the purification of biopharmaceuticals, particularly immunoglobulin Y (IgY) from egg yolk. The major goal of this post-doctoral position comprises the understanding of the molecular-level phenomena responsible for the selective extraction of IgY in selected systems by spectroscopic studies and additional theoretical approaches.

Applications are open for the allocation of 1 post-doctoral fellowship, under the project "IgY Technology: A Purification Platform using Ionic-Liquid-Based Aqueous Biphasic Systems (IgYPurTech)", from an European Research Council (ERC) Starting Grant, Grant agreement no.: 337753, at the Chemistry Department, CICECO (Centre for Research in Ceramics and Composite Materials), in University of Aveiro.

Scientific field: Chemical Engineering

Sub research fields: Physical Chemistry

Requirements: (i) PhD in Chemical Engineering or related fields; (ii) Degree (Licenciatura) and/or MSc in Chemical Engineering, (Bio)Chemistry or Biotechnology; (iii) good English communication; (iv) Facultative: Relevant scientific experience in the field of this application.

Regulation: The fellowship is in accordance with Law No. 40/2004, 18th August (Research Fellow Statute) and the Regulation of Scientific Research Grants from the University of Aveiro – Regulation n.º 341/2011, published in Diário da República, 2nd series, n.º 98, 20th May.

Place of work and Scientific Orientation: The work will be carried out at the Chemistry Department, CICECO, University of Aveiro, Portugal. All the research activities will be supervised by Dr. Mara G. Freire and Dr. João A. P. Coutinho.

Duration of Activity: The fellowship has the duration of 12 months, renewable up to 36 months more, scheduled to start in March 1st 2014.

Components of the Fellowship: The value of the scholarship follows the Tables announced by FCT: 1495 € per month (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>). The periodicity of the fellowship's payment is monthly and via bank transfer.

Criteria for evaluation of the candidates: Applications will be screened on the basis of: (i) Scientific Curriculum Vitae; (ii) Previous and confirmed experience in the scientific field of this application; (iii) If the jury considers necessary, interviews with the candidates may be held.

Jury: The panel responsible for selection will be composed of the following members: Mara G. Freire, João A. P. Coutinho and Ana M. Fernandes.

Notification of results: The selected candidate will be notified by e-mail.

Opening date and deadline for applications: Applications must be submitted from 15th of January to 15th of February 2014.

Documents of application: The application must contain the following documents: (i) Motivation letter focusing the candidate interest on this project (and with full contacts of the applicant); (ii) Copies of certificates or documents confirming the academic degrees/classifications; (iii) Detailed Curriculum Vitae.

Applications should be sent by e-mail under the subject "ERC Post-doctoral Research Position (1)" to Dr. Mara G. Freire: maragfreire@ua.pt

Número de vagas: 1

Tipo de contrato: Informação não disponível

País: Portugal

Localidade: Aveiro

Instituição de acolhimento: Universidade de Aveiro

Data limite de candidatura: 15 February 2014

(A data limite de candidatura deve ser confirmada no texto do anúncio)

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2. Dados de contactos da organização

2. Organization contact data

Instituição de contacto: Centro de Investigação em Materiais Cerâmicos e Compósitos (CICECO) - Universidade de Aveiro

Endereço:
Campus Universitário de Santiago
Aveiro - 3810-193
Portugal

Email: ciceco@ua.pt

Website: <http://www.ciceco.ua.pt/>

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3. Habilitações académicas

3. Required education Level

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4. Required languages

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5. Experiência exigida em investigação

5. Required research experience

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