European Union
European Social Fund
OPERATIONAL PROGRAMME EDUCATION AND LIFELONG LEARNING
investing in knowledge society
MINISTRY OF EDUCATION, LIFELONG LEARNING AND RELIGIOUS AFFAIRS
MANAGING AUTHORITY
NSRF 2007-2013
EUROPEAN SOCIAL FUND
Co- financed by Greece and the European Union

Call for expression of interest
BSRC "Alexander FLEMING", Vari, Greece-Kontoyiannis Lab

The Kontoyiannis' lab is seeking highly motivated applicants for **one (1) post-doctoral and one (1) pre-doctoral position** to support a national project (ARISTEIA I) entitled "*Post-transcriptional determination of inflammatory states: coupling ribonomes to signaling adaptors"*. **The program is covered by the Operational Program "Education & Lifelong Learning" and is co-funded by the European Union (European Social Fund) and national funds.** The project aims to identify post-transcriptional networks of mRNA usage that determine the plasticity of innate immune subsets; it encompasses a variety of methodologies to assess ribonucleoprotein interactions in vivo and in the context of transgenic permutations. Research under this program will take place in the facilities of BSRC"Alexander Fleming", at Vari, Attiki, Greece and for a period of 36 months-starting immediatelly.

The call is intended for applicants that did not apply in the previous call on the 26/06/2012 for positions that were not filled due to the lack of qualified applicants.

1 Post-Doctoral Position

Applicants should hold a PhD and have a proven record in molecular biology. The project focuses on **RNA populations interacting with ribonucleoprotein groups** to guide the polarization/plasticity of innate cells by means of RNA-immunoprecipations, holistic sequencing approaches and validation platforms in transgenic systems. Experience in RNA biology/biochemistry, nucleic acid:protein interactions and high through-put sequencing platforms will be beneficial. The knowledge of the English language is compulsory.

1 Pre-Doctoral Position

Applicants should hold a BSc and an MSc with specialization in bioinformatics and computational biology. The project involves the development and/or application of algorithmic platforms for the analysis of data derived from high-throughput sequencing platforms for the identification of cis-element/miRNA/RNA-binding protein relationships and modelling of data behaviour in the context of prototypical immune reactions. Prior experience is those areas will be beneficial.

All applicants should send a full CV along with a short presentation of their qualifications/interests and the names of three referees at kontoyiannis@fleming.gr by the 31st of October, 2012.

Relevant Publications:

- Yiakouvaki A., et al. **(2012).** Myeloid cell expression of the RNA-binding protein HuR protects mice from pathologic inflammation and colorectal carcinogenesis. ***J. Clin. Investigation.*** *122:48-61*
- Papadaki O, et al. **(2009)**, "Control of Thymic T Cell Maturation, Deletion and Egress by the RNA-Binding Protein HuR", ***J Immunol****, 182: 6779-6788.*
- Katsanou V, et al. **(2005).** HuR as a negative posttranscriptional modulator in inflammation. ***Mol. Cell*** 19:777-789.

More lab information & publications at : http://www.fleming.gr/en/investigators/Kontoyiannis/index.html