

Job Title: PhD position, Marie Curie Initial Training Network (ITN) on the Biology of Ageing

Reference: EMBO Young Investigator PHD position

Location: Heraklion, Crete, Greece

Description: The PhD candidate will be part of a Marie Curie Initial Training Network (ITN) that focuses on the basic biology of ageing. Emphasis is placed on how maintenance of genomic integrity in self-renewing tissues is preserved under different metabolic rates. The key aim of this training program is the elucidation of the molecular pathway by which intrinsic genomic integrity can be modified by the extrinsic rate of metabolism. PhD candidates will become involved in studies addressing the role of mitochondrial biogenesis and function in ageing and senescent decline using model organisms such as *Caenorhabditis elegans*, cultured mammalian cells and mice. Specific activities include the proteomic analysis of mitochondria isolated from young versus aged animals, the assessment of the efficiency of mitochondrial protein import mechanisms in young vs. aged animals, and the investigation of the cause-and-effect relationship between mitochondrial protein translocation and ageing.

Qualification:

We invite applications from highly motivated and outstanding students with a background in molecular biology, genetics, cell biology and biological imaging. The following qualifications are also a plus: Master's in life sciences or equivalent degree, excellent writing and communication skills in English, a strong focus on results, respecting deadlines, and taking initiatives.

Compensation range: Standard Marie Curie ITN stipend, before tax according to the regulations of the host Institution.

Show compensation? Yes

Application deadline: 31 January 2013

How to apply: To apply, please forward by email the curriculum vitae, a motivation letter and university certificates to the address shown below. Two letters of recommendation should also be sent directly by referees.

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Show contact on job posting? Yes