



EURAXESS

Early-Stage Researcher (ESR) position in Biomedical Sciences and Engineering. Athens, Greece

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Marie
Skłodowska-Curie
Actions

19 Dec 2022

Hosting Information

Offer Deadline

Tue, 31 Oct 2023 - 12:00

**EU Research Framework
Programme**

H2020 / Marie Skłodowska-Curie Actions

Country

Greece

Organisation/Institute

Organisation / Company	National and Kapodistrian University of Athens
Department	Division of the Vascular Surgery
Is the Hosting related to staff position within a Research Infrastructure?	No

Contact Information

Organisation / Company Type	Higher Education Institute
Website	https://www.uoa.gr
Email	drfsigala@yahoo.gr

Description

General objectives of the DECODE project

DECODE focuses on the training of young scientists on the use of drug-eluting devices to combat the burden of peripheral artery disease (PAD). DECODE will provide young researchers with excellent scientific, technological and complementary skills through a multidisciplinary training programme having as an outmost scientific aim the development, optimization, and assessment of a drug eluting balloon system for the improved treatment of PAD. The aim of DECODE is twofold: a) to enhance the competitiveness and research careers of young researchers at European level as after the completion of the programme they will be able to face current and future challenges on the domain of biomedical engineering, b) to convert knowledge, ideas and expertise from both the academic and non-academic sectors into a novel product which will improve the monitoring and treatment of patients suffering from PAD and their quality of life, providing thus a significant economic and social benefit.

For more information: (<https://www.decodeitn.eu/>)

Specific Information for the position

A position for a PhD candidate is open at the National and Kapodistrian University of Athens (www.uoa.gr), Greece, in the Division of the Vascular Surgery of the 1st Propaedeutic Surgical Clinic, Medical School,

Hippokrateion Hospital, of Prof. Sigala Fragiska.

The **position for ESR14** is related with the following research topic: **“Evaluating the effect of drug coated balloon angioplasty on intimal hyperplasia in a porcine animal model”**.

The Vascular Unit is actively involved in clinical and basic science research. It has experience on the study of molecular pathways of carotid and peripheral atheromateous disease, the use of experimental animal models, the assessment of novel treatments based on pharmaceutical agents, and the *in vivo* and *in vitro* analysis of their effects on different types of tissues/organs with emphasis to the cardiovascular system.

In DECODE, the Vascular Unit is in charge of the animal study which will be performed at the state-of-the-art large animal facilities of the Biomedical Research Foundation of the Academy of Athens. It is also in charge of the *in vitro* assessment of the Drug Coated Balloons (DCBs) and will contribute to the analysis of the clinical parameters related to PAD.

The ESR will participate in the **experimental activities of the project and will be primarily trained** on the biological analysis related to the animal study of the project and the *in vitro* and *in vivo* assessment of the DCBs.

The ESR14 will gain:

1. Expertise on the treatment of animal models with drug coated balloons
2. Clinical experience of peripheral arterial occlusive disease and treatment
3. Skills and knowledge of biological data collection and analysis

A major secondment to the Biomedical Research Foundation of the Academy of Athens and to the CBSET is planned.

Additional Information

According to the EU rules for the ITN projects, the recruited researchers must comply with the following conditions:

- are, at the date of recruitment, **early-stage researchers** (i.e. NOT have a doctoral degree AND be in the first 4 years (full-time equivalent research experience) of their research career).
- are recruited under an **employment contract/equivalent direct contract** (i.e. other contract with equivalent benefits and social security coverage), including: sickness, parental, unemployment and invalidity benefits - pension rights and - benefits for accidents at work and occupational diseases.
- be employed for at least 3 months and up to 36 months. In this specific case, due to budget constraints, the duration of the contract can only be **up to 14 months**.
- **be employed full-time**.
- work **exclusively** on the research training activities.
- must comply with the following **mobility rule**: not have resided in the country of the recruiting beneficiary for more than 12 months in the 3 years immediately before the recruitment date (and not have carried out their main activity (work, studies, etc.) in that country) — unless as part of a procedure for obtaining refugee status under the Geneva Convention. For beneficiaries that are international European interest organizations or international organizations: not have spent with the beneficiary more than 12 months in the 3 years immediately before the recruitment date.

Requirements

- You have a background in veterinary medicine or general medicine, preferably with experience in

experimental animal models, anesthesia, surgical procedures or laboratory analyses.

- You are ambitious, well organised and have excellent communication skills.
- You are verbally and written fluent in English and have the ability to work effectively and collaboratively.
- You are an enthusiastic, self-motivated individual, who is willing to take part in personal skills training, international travel and public outreach activities.
- You have demonstrated commitment to high-quality research.

Application

Applications must contain the following documents:

- a personal (motivation) letter and curriculum vitae,
- a copy of degree certificates and associated certificates,
- a copy of degree projects and any previous publications,
- a proof of English language skills,
- two recommendation letters (or the names and email addresses of two references).

The documents should be sent to email of Prof Fragiska Sigala: drfsigala@yahoo.gr.