



OPENING for
One Post-Doctoral Position
within the project

ARCHERS: Advancing Young Researchers' Human Capital in Cutting Edge Technologies in the Preservation of Cultural Heritage and the Tackling of Societal Challenges

Exclusively funded by the Stavros Niarchos Foundation



ΙΔΡΥΜΑ ΣΤΑΥΡΟΣ ΝΙΑΡΧΟΣ
STAVROS NIARCHOS FOUNDATION

Ref. 642

Patras, 16.03.2017

The Institute of Chemical Engineering Sciences (ICE/HT) of the Foundation for Research and Technology Hellas (FORTH), in the framework of the project ARCHERS, aimed at reducing or even reversing the brain drain, which is funded by an exclusive donation of the Stavros Niarchos Foundation, is seeking to recruit one post-doctoral researcher.

Title of research assignment: Drug Delivery/Targeting Systems- Nanomedicines

Description:

The research work concerns the following: (a) Lab-scale study for the development of lipid or polymeric or hybrid nanoparticles (or liposomes) with high targeting affinity for specific receptors/targets (such as cancer cell or brain endothelial cell targeting); The previous NPs may also be engineered from cells or exosomes; (b) Physicochemical characterization of NPs for their size-distribution, surface properties and integrity/stability, morphology; also during incubation in physiological media, using advanced analytical methods (e.g. DLS, AFM, XPS, DSC, SEM, TEM, XRD, FTIR-ATR, HPLC, GC-MS, GC-FID, UV-Vis and spectroscopic techniques. (c) Evaluation of the targeting capability of the NPs in in vitro models, and development of appropriate models

Eligibility Criteria

- PhD in Pharmacy, Chemical Engineering, Biology, Chemistry, or other project-related discipline, such as Pharmaceuticals or Nanobiotechnology, etc.
- Good knowledge of Greek and English language

Criteria for Selection

- PhD in project related discipline (20%)
- Experience in nanoparticle/liposome development for drug delivery (15%)
- Experience in cell culture methodologies, flow cytometry, and cellular studies for evaluation (prediction) of NP/liposome toxicity and targeting potential and/or therapeutic efficacy (20%)
- Experience in microscopy techniques and sample preparation methods (such as fixation, cryotome use) (optical, electronic, confocal, etc.) (15%)
- Ability to perform independent research (10%)
- Previous Post-Doctoral experience, relative to project (10%)
- Experience in chromatographic and spectroscopic techniques (10%)

Location: ICE/HT-FORTH, Patras, GREECE

Expected start date: 1st of June, 2017

Duration of appointment: 12 months (with possibility of extension according to the needs of the project).

Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **April 25, 2017, 23:59 local time (Greece)** to the address kleanthi@iceht.forth.gr.

In order to be considered, the application must include:

- Filled-out Application Form (attached)
- Detailed curriculum vitae (CV) of the candidate
- Copies of academic titles/transcripts
- At least one reference letter (optionally, the reference letter could be enclosed in an envelope that must reach Ms. Kleanthi Zacharopoulou at the address: FORTH/ICE-HT, Stadiou street, Platani, Patras 26504 by the closing date for applications; the closed envelope will be handed to the evaluation committee)

Any application received after the deadline will not be considered for the selection**Contact**

For information and questions regarding the application and selection procedure, candidates are asked to contact Ms. Kleanthi Zacharopoulou (kleanthi@iceht.forth.gr, Tel. +30 2610 965 278).

Selection Announcement

The result of the selection will be announced on the website of ICE/HT-FORTH.

Candidates have the right to appeal the selection decision, by addressing their written objection to the ICE/HT secretariat within five (5) days after the result announcement on the web. They also have the right to access (a) the files of the candidates as well as (b) the table of candidates' scores (ranking of candidates results). All the above information related to the selection procedure will be available at the secretariat of ICE/HT-FORTH in line with the Hellenic Data Protection Authority.

TO :
FOUNDATION OF RESEARCH AND TECHNOLOGY (FORTH)
INSTITUTE OF CHEMICAL ENGINEERING SCIENCES (ICE/HT)
STADIOU STR., PLATANI, P.O. BOX 1414
GR-26504, PATRAS
HELLAS

APPLICATION FORM FOR POSTDOCTORAL POSITION

NAME	
SURNAME	
DATE OF BIRTH	
NATIONALITY	
TELEPHONE	
EMAIL	
SUBMITTED WITH THIS APPLICATION	1. 2. 3. 4.

Hereby I submit my application as a candidate for a Post Doctoral position:

..... [Job Description]

in the framework of the project ARCHERS, carried out by the Foundation for Research and Technology Hellas (FORTH), and funded by the Stavros Niarchos Foundation.

I certify that:

- A) I accept the terms and conditions of the job announcement
- B) I possess all the necessary certificates and documents and I can present them in their original form without any delay if I am asked to do so

DATE & SIGNATURE