



Two (2) post-doc and one (1) research assistant position in the project

DynAMic

Dynamic adaptive microscopy for label-free multi-parametric imaging in biology and medicine

(Call: H2020-FETOPEN-2018-2019-2020-01, GA 863203)

Funded under RIA



**European
Commission**

**Horizon 2020
European Union funding
for Research & Innovation**

Ref. 68123

Heraklion 15/12/2021

The Institute of Electronic Structure and Laser (IESL) of the Foundation for Research and Technology Hellas (FORTH), in the framework of the project DynAMic, (Call: H2020-FETOPEN-2018-2019-2020-01, GA number: 863203) funded under – RIA-Research and Innovation action, is seeking to recruit two (2) post-doctoral researchers and one (1) research assistant.

Post-doc 1

Development of a hybrid optical, optoacoustic and Stimulated Raman Scattering microscope system

Required qualifications

- Degree in Physics or relevant fields (10%)
- PhD degree in Physics (20%)
- Experience in developing non-linear microscopy systems optoacoustics (30%)
- Knowledge of modern image processing methods in Matlab and Labview (30%)
- Relevant scientific publications in peer-review journals (10%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): February 1, 2022

Project Duration: 6 Months with possibility of extension according to the needs of the project

Budget: 1500 - 1700 euro (gross/month)

Post-doc 2

Optimizing operational characteristics of a hybrid non-linear microscope system

Required qualifications

- PhD degree in Physical Sciences or Engineering (20%)
- Experience in spectroscopy for biological applications (30%)
- Experience in imaging biological samples at microscopic level using ultrashort laser pulses (30%)
- Relevant scientific publications in peer-review journals (10%)

Desirable qualifications

- Experience in developing and upgrading prototype experimental imaging devices (10%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): February 1, 2022

Project Duration: 6 Months with possibility of extension according to the needs of the project

Budget: 1400 - 1600 euro (gross/month)

Research assistant

Neurodegenerative disease markers evaluation with hybrid microscopy technologies

Required qualifications

- Degree in Biology or relevant fields (10%)
- Master degree in Neuroscience (20%)
- Experience in designing imaging for 3d development of cancer cells with laser sources (30%)
- Experience in high temporal and spatial computational modeling of cancer tumor evolution (30%)
- English language knowledge (10%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): March 1, 2022

Project Duration: 6 Months with possibility of extension according to the needs of the project

Budget: aprox. 1000 euro (gross/month)

Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **December 30, 2021, 23:59 local Greece time** to the address (hr@iesl.forth.gr), with cc to Dr Giannis Zacharakis (zahari@iesl.forth.gr).

In order to be considered, the application must include:

- Application Form (please download file from the job announcement webpage (<https://www.iesl.forth.gr/en/jobs-bids/jobs/job-positions>))
- Brief CV
- Scanned copies of academic titles

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 the secretariat (hr@iesl.forth.gr), tel. +30 2810-391301.

For information and questions about the advertised position and the research activity of the group or the institute, please contact Dr Giannis Zacharakis (zahari@iesl.forth.gr).

Selection Announcement

The result of the selection will be announced on the website of IESL-FORTH.

Candidates have the right to appeal the selection decision, by addressing their written objection to the IESL secretariat within five (5) days since the results 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 IESL-FORTH in line with the Hellenic Data Protection Authority.

GDPR

FORTH is compliant with all legal procedures for the processing of personal data as defined by the **Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data**.

FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law.

FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one's legitimate legal rights' as defined in the Regulation EU/2016/679 and/or in national law.

We inform you that under the **Regulation EU/2016/679** you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws.

We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr.

You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.