



One post-doc position in the project

EUSMI

European infrastructure for spectroscopy, scattering and imaging of soft matter

(Call H2020- INFRAIA-01-2016-2017 - Integrating Activities for Advanced Communities, GA 731019)

Funded under H2020-EU.1.4.1.2. - Integrating and opening existing national and regional research infrastructures of European interest - RIA - Research and Innovation action



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

Ref. 45514

Heraklion 22/1/2020

The Institute of Electronic Structure and Laser (IESL) of the Foundation for research and Technology Hellas (FORTH), in the frame of the project EUSMI (P.I. Prof. D. Vlassopoulos), (Call: H2020- INFRAIA-01-2016-2017, Proposal number: 731019) funded under H2020-EU.1.4.1.2. – RIA, is seeking to recruit one (1) post-doctoral researcher.

Job Description

Microscopic response and nonlinear rheology of sheared colloidal yield stress systems by combined Microscopy/scattering and rheometry. Experiments with light scattering echo and dynamic differential microscopy of dense colloidal suspensions (such as colloidal glasses of soft and hard particles, colloidal gels and attractive glasses) under large amplitude oscillatory shear. Advanced analysis to follow and link microscopic particle rearrangements, shear induced diffusion and structural changes with the rheological response such as yielding (solid to liquid transition) or shear thickening.

Required qualifications

- PhD in experimental soft matter physics (25%)
- Experience with light scattering and differential dynamic microscopy (35%)
- Knowledge of colloid physics and rheology (15%)
- Experience with data analysis applied to scattering and microscopy (15%)
- Knowledge of English and presentation skills (10%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date: 1st of March, 2021

Project Duration: 10 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 **February 6, 2021, 23:59 local Greece time** to the address (hr@iesl.forth.gr), with cc to Prof. G. Petekidis (georgp@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 Prof. G. Petekidis (georgp@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) working 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.