ΑΝΑΡΤΗΤΕΑ ΣΤΟ ΔΙΑΔΙΚΤΥΟ

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΥΠΟΥΡΓΕΙΟ ΑΝΑΠΤΥΞΗΣ ΚΑΙ ΕΠΕΝΔΥΣΕΩΝ
ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΡΕΥΝΑΣ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑΣ

ΙΔΡΥΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΚΑΙ ΕΡΕΥΝΑΣ, ΙΝΣΤΙΤΟΥΤΟ ΠΛΗΡΟΦΟΡΙΚΗΣ
Ταχ. Διεύθυνση: Ν. Πλαστήρα 100, 70013 Ηράκλειο Κρήτης

Α.Π. 97115
Ηράκλειο, 22/12/2022

Call for expression of interest for one (1) position, for one (1) Biologist in the Institute of Computer Science (ICS) Foundation for Research and Technology – Hellas (FORTH)

Position(s): Biologist at ICS-FORTH
Project: «NeuronsXnets_MSCA RISE - GA101007926»
Desired starting date: 1-2-2023
Duration: 6 months with possibility of extension according to the needs of the project
Location: ICS-FORTH,Heraklion, Crete, Greece
Opening date: 22/12/2022
Closing date: 02/01/2023
Ref.: “MSCARISEBiologist2022”

Description

The post holder will provide raw and processed data of whole-cell patch clamp recordings from neurons belonging to specific circuits of the prefrontal cortex and calcium imaging recordings from mice exposed to the spontaneous alternation (passive learning) and delayed alternation (active learning) tasks, with the following key responsibilities:

- Mark neurons belonging to the specific circuits of the prefrontal cortex using the retrograde tracer cholera toxin
- Perform behavioral experiments (spontaneous alternation and delayed alternation task) in mice
- Perform whole-cell patch-clamp recordings from identified neurons in the prefrontal cortex from mice and acquire spontaneous current data
- Perform calcium imaging experiments and acquire neuronal activation data
- Analyze the spontaneous currents measured
- Present the data acquired and analyzed
- Write a report with the data acquired and analyzed

Program aims to provide to characterize the effects of learning on the electrophysiological properties of prefrontal cortical neurons and neuronal circuits.

Position: Biologist at ICS-FORTH

Required qualifications:
•University degree in Biology
•Registered student in postgraduate program
•Experience in behavioral techniques using mice
•Experience in in vitro neurophysiological techniques (field recordings and patch-clamp recordings)
•Excellent knowledge of the English language

Additional qualifications

- Specialization in the field of Neurobiology of memory-learning
- Experience in functional signal analysis programs (IgorPro, Matlab)
- Publications of research articles in journals or conferences related to the above areas

Application Submission
Interested candidates can submit their applications via http://www.ics.forth.gr/jobs/en/ using the link **"Apply for the position"** under the announcement. Applications must include:

- Application with reference to the position code
- Detailed Curriculum Vitae
- Scanned copies of academic titles
- Letters of recommendation, certificates of work experience documenting the requested experience or other information that the interested party wishes to include for the certification of experience mentioned in the resume.

Contact Information:
For information and questions about the advertised position, the activity of the group or the Institute, please contact M.Papadopouli at mgp@ics.forth.gr

Selection Announcement
The result of the selection will be announced on the website of ICS-FORTH. Candidates have the right to appeal the selection decision, by addressing their written objection to the ICS 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 ICS-FORTH in line with the Hellenic Data Protection Authority. Access to personal data of co-candidates shall be limited to personal data (and relevant data) and supporting documents which have been the basis of the evaluation of the candidates for the specific post(s). Prior to the announcement of the personal data and/or documents of the co-candidates to the applicant, FORTH will inform the data subjects in an appropriate way.

Disclaimer

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.