

ΑΝΑΡΤΗΤΕΑ ΣΤΟ ΔΙΑΔΙΚΤΥΟ



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ  
ΥΠΟΥΡΓΕΙΟ ΑΝΑΠΤΥΞΗΣ ΚΑΙ ΕΠΕΝΔΥΣΕΩΝ  
ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ ΕΡΕΥΝΑΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΑΣ

**ΙΔΡΥΜΑ ΤΕΧΝΟΛΟΓΙΑΣ ΚΑΙ ΕΡΕΥΝΑΣ  
ΙΝΣΤΙΤΟΥΤΟ ΠΛΗΡΟΦΟΡΙΚΗΣ**

Ταχ. Διεύθυνση: Ν. Πλαστήρα 100  
70013 Ηράκλειο Κρήτης

Αρ.Πρωτ. 27391  
Ηράκλειο 17.03.2020

**Call for expression of interest for one (1) Postdoc- Experienced Researcher position  
in the Institute of Computer Science (ICS)  
Foundation for Research and Technology – Hellas (FORTH)**



**Position:** 1 Postdoc- Experienced Researcher  
**Project:** Neuronal Networks in Epilepsy funded by Fondation Santé  
**Desired starting date:** 01.05.2020  
**Duration:** 2 months (with possibility of extension)  
**Location:** Heraklion, Crete, Greece  
**Opening date:** 17.03.2020  
**Closing date:** 01.04.2020  
**Ref. :** epilepsy\_sante\_2020\_1

**Description**

We seek a Postdoc- Experienced Researcher for our team with a strong background in machine learning and/or statistical analysis. The candidate will participate in our exciting new computational neuroscience project entitled **“Neuronal Networks in Epilepsy–Deciphering the Role of Activity Patterns in Focal Cortical Seizures”** funded by the Fondation Santé. The

main focus of the project is to decipher how abnormal activity patterns emerge across different cortical-neuron types, what EEG-patterns they correspond with, and how they evolve into full-fledged seizure events. For that, we apply various machine-learning and statistical analysis algorithms to identify what abnormal interactions between pyramidal neurons and different types of interneurons allow hyper-synchrony (seizure) to emerge. Researchers from Harvard Medical School participate actively in this project.

The Postdoc - Experienced Researcher will participate in various data analysis and dissemination activities in the context of the project. Moreover he/she will participate in the preparation of grant proposals. Prior experience in machine learning, data science, and statistical analysis is an important aspect for the project. Experience in computational neuroscience is a plus but *not a prerequisite*.

**Required Qualifications:**

- PhD in Computer Science, Computer Engineering, Computational Neuroscience or a related field
- In depth knowledge of machine-learning and signal processing
- Programming languages: Matlab, R
- Research experience - Strong publication record
- Excellent oral and written English skills
- Willingness and ability to work cooperatively within a team, to learn, and to adapt to the various research activities
- Physical presence at FORTH, Heraklion, Crete for the duration of the position

**Desired Qualifications:**

- Experience in writing project proposals
- Strong experience in machine-learning and signal processing
- Communication, coordination and management skills
- Passionate to work in a research environment

**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 will be evaluated at the end of the closing date; evaluators may reject some candidacies on the grounds of insufficient qualifications. Applications must include:

- Detailed CV
- Scanned copies of academic titles
- Detailed presentation of prior work, studies demonstrating knowledge of desired skills; Max 2 pages
- Two or three representative publications
- Detailed presentation of the project(s) with data analysis/machine-learning emphasis, demonstrating knowledge of various algorithms and programming experience; detailed description of their exact role (participated, supervised, etc). Max 2 pages

- 2 or 3 references from people that have worked with the candidate, sent directly to Professor Maria Papadopouli ([mgp@ics.forth.gr](mailto:mgp@ics.forth.gr)) before the closing date

Promising candidates may be invited for an interview before a decision is made.

**Contact Information:**

- For information and questions regarding the application and selection procedure, please contact: : [webmaster@ics.forth.gr](mailto:webmaster@ics.forth.gr)

For information and questions about the advertised position, please contact Professor Maria Papadopouli ([mgp@ics.forth.gr](mailto: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.

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](mailto: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.