



P.N. 0092-P / 18474 / 08-11-2019

**Call for expression of interest for one (1) postdoctoral research position in the Institute of Computer Science (ICS) and Institute of Molecular Biology and Biotechnology (IMBB), Foundation for Research and Technology – Hellas (FORTH)**

**[Ref # ORZ-0183]**

**Description**

A postdoctoral research position in computational Neuroscience funded by Forth Synergy Grant – Neural Networks in Alzheimer’s disease (NEUROGRAMS) has opened to study how cortical networks malfunction in Alzheimer’s disease, and whether they can be rescued via a pharmacologic manipulation. Two-photon imaging methods will be used to densely map functional property and functional connectivity at single cell resolution in the primary visual cortex and retrosplenial cortex of a mouse model of Alzheimer’s disease (5xFAD mouse) and compare with littermate controls as well as before and after the delivery of a synthetic micro-neurotrophin that has been shown to delay disease progression.

It is anticipated that the candidate will spend approximately 9 months at Harvard Medical School (USA), in the laboratory of Dr. Smirnakis for data collection.

**• Required qualifications:**

- Ph.D. in Neuroscience (preferably in systems neuroscience) or Doctor of Medicine.
- Strong record of achievement in systems neuroscience (including experience with animal experiments), basic histological and molecular biology methods, and ideally optical 2-photon methods.
- Excellent scientific authoring skills.
- Excellent oral and written English and Greek skills.
- Ability to travel and stay abroad, USA, Harvard Medical School, for a long period.
- At least two publications in related fields
- 1 recommendation letter from researchers that have collaborated with the applicant

**• Desired qualifications:**

- Good prior experience with 2-photon imaging, classical electrophysiology and molecular and cellular biology methods.
- Good prior experience in research projects (EU and national).
- Ability to work under pressure, attaining short and long-term objectives.
- Ability to smoothly collaborate with other members of a team.

**Contract Duration:** 12 months with possibility of extension

**Total budget:** 55.000 € (up to 24 months)

**Desired starting date:** 01/01/2020

**Application submission:** Interested candidates should submit their application electronically by **November 23 2019 @ 13:00 (GMT+2)**



**The application should consist of:**

- Detailed CV
- Scanned copies of academic titles
- Scanned copies of any document referring to the required qualifications
- At least two publications at related fields
- 1 recommendation letter from researchers (\*)

(\*) The recommendation letters should be sent directly to Professors Maria Papadopouli ([mgp@ics.forth.gr](mailto:mgp@ics.forth.gr)), Stelios Smirnakis ([smsmirnakis@bwh.harvard.edu](mailto:smsmirnakis@bwh.harvard.edu)), and Ioannis Charalampopoulos ([charalampn@uoc.gr](mailto:charalampn@uoc.gr)).

**Contact Information:**

- For information and questions regarding the application and selection procedure, please contact Professors Maria Papadopouli ([mgp@ics.forth.gr](mailto:mgp@ics.forth.gr)), Stelios Smirnakis ([smsmirnakis@bwh.harvard.edu](mailto:smsmirnakis@bwh.harvard.edu)), and Ioannis Charalampopoulos ([charalampn@uoc.gr](mailto:charalampn@uoc.gr)).

**Evaluation procedure**

Applications will be evaluated by a three-member evaluation committee. In case of interview procedure, candidates will be invited to participate in person or teleconference. The announcement of the results will be posted on the website of FORTH-IMBB. This publication confers the right to object to the results within 5 working days of the date of the results announcement.

The selected candidates will be notified personally regarding the success of his/her application and will be requested to submit certified copies of his/her degrees. In the event that the documents submitted do not agree with the original application the candidate will be dismissed.

**Submission of applications:** [orz0183@imbb.forth.gr](mailto:orz0183@imbb.forth.gr)

**GDPR 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](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.