Universitat Pompeu Fabra Barcelona

Departament de Ciències Experimentals i de la Salut

Date of publication of the job offer
November 2, 2020

Job title
Postdoctoral researcher in brain modeling

Job description

Applications are invited for a full-time postdoctoral research position in the Neurotwin project, aimed at developing and experimentally validating local and whole-brain models to design new personalized neuromodulation protocols for the treatment of neurological disorders. The successful candidate will join the Dynamical Systems Biology lab (https://www.upf.edu/web/dsb) led by Prof. Jordi Garcia-Ojalvo, in the Department of Experimental and Health Sciences of the Universitat Pompeu Fabra (https://www.upf.edu/web/biomed). Candidates with physics and/or computational neuroscience backgrounds are encouraged to apply.

Project and Institution that finance the contract

This position is financed by the European Commission H2020 program, under Project Neurotwin.

Official number reference

H2020-FETPROACT-2020-2-101017716-Neurotwin

Information on the minimum requirements

We seek candidates with solid demonstrable experience in the application of statistical physics to neuroscience, and/or on the computational modelling of local and whole-brain network dynamics. Expertise in the analysis of neuroimaging data with statistical learning methods will be positively considered.

Benefits of the opening

This postdoctoral researcher position is renewable up to four years. We offer onsite laboratory facilities including a computational cluster, and a highly interdisciplinary and active research environment at the Barcelona Biomedical Research Park (PRBB, https://www.prbb.org), one of the top biomedicine research hubs in Southern Europe. The starting date of the position is January 1, 2021 at the earliest.

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Information on the application process

Applications should be submitted to jordi.g.ojalvo@upf.edu before December 4, 2020. Please use "Postdoc Neurotwin" as the subject of your email.

Online interviews with short-listed candidates will take place in Dec 7-11. Short-listed candidates will be informed of the results of the evaluation on or after December 14.

Deadline to submit applications

Applications will be accepted until December 4, 2020.

Contact

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