

**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***

EC contract 101017716

**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](mailto: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**

Jordi Garcia Ojalvo ([Jordi.g.ojalvo@upf.edu](mailto:Jordi.g.ojalvo@upf.edu))