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| Job title: Research technician ref. MELIS-PSR-INDF-2026-15 |
| Date of publication of the job offer: 03/06/2026 |
| Research line: Whole-brain modelling and brain simulation |
| Project and Institution that finance the contract: PREUR01523 - HEu - ERC-SyG -NEMESIS-101071900 - G.Deco NEurological MEchanismS of Injury, and Sleep-like cellular dynamics financed by the European Commission ERC Synergy Horizon Europe Project ref. 101071900 |
| Job description: The researcher will join the project NEMESIS: NEurological MEchanismS of Injury, and Sleep-like cellular dynamics , ref: 101071900, financed by the European Commission ERC Synergy Horizon Europe (2021-2027) at the Center for Brain and Cognition, https://www.upf.edu/web/cbc , Pompeu Fabra University. Nemesis is led by Gustavo Deco, director of the Computational Neuroscience lab, https://www.upf.edu/web/cns . The researcher will contribute to project objective O3 and tasks 6 and 7: To develop whole-brain computer models for simulation of optimal stimulation and development of novel interventions. (O3) Development of “generative” models able to predict patterns of disconnection and slow-wave activity propagation, in contrast to previous models that were only fitting empirical data (Task 6) Study the effect and propagation of external stimulation to restore normal activity (Task 7) Tasks: <ul style="list-style-type: none">• Data analysis• Article writing• Quantification of neuroimaging data• Whole-brain modeling |
| Information on the minimum requirements: <ul style="list-style-type: none">• High school-FP2 |

Other requirements:

- Undergraduate degree in Psychology or similar. Master in Cognitive Neuroscience or similar would be valued.
- Experience in a Cognitive Neuroscience Lab
- Experience in whole-brain modeling
- High level of English.
- Good knowledge of MATLAB and R.

The expected start date is 1 September 2026, **the job is in Barcelona.**

Expected remuneration: annual gross salary of 19.272,72 €

Group and complement: PSR 3 level U / PSR 3 nivell U

Dedication and working time: 22,5 hours week

Type of contract: open-ended contract, according the *RD 32/2021 de 28 de desembre de 2021*; and the *article 23 bis de la Llei 14/2011 d'1 de juny, de la Ciència, la Tecnologia i la Innovació*

Selection criteria:

The selection of the candidates will be made through evaluation of the curriculum and, where appropriate, with the carrying out a test and/or interview. Valuation will be as follows:

1. Academic background: 0-20 points.
2. Professional experience/Appropriateness to the proposed profile: 0-60 points.
3. Other achievements: 0-20 points.

Minimum score to pass the selection process: 70 points.

Selection Committee:

President: Gustavo Ricardo Deco

Member 1: Núria Sebastián Gallés

Member 2: Salvador Soto Faraco

Information on the application process: send an email with a copy of the candidate's curriculum vitae, indicating the **reference MELIS-PSR-INDF-2026-15** in the subject line.



Universitat
Pompeu Fabra
Barcelona

Departament
de Medicina
i Ciències de la Vida



Funded by
the European Union

Convocatòria: MELIS-PSR-INDF-2026-15

Contact: recruitment.melis@upf.edu

Deadline to submit applications: 17/06/2026