



Offer: MELIS-PSR-INDF-2023-44

**Job title:** Part-time research software engineer position at the Computational Science Group, at the Research Programme on Biomedical Informatics (Ref. MELIS-PSR-INDF-2023-44).

**Date of publication of the offer:** 02/08/23

**Project and Institution that finance the contract:**

AEI/PID2020-116564GB-I00/AEI/10.13039/501100011033 - Gianni de Fabritiis: Neural network potentials for next generation molecular simulations.

**Official number reference/AE/Research Spanish Agency DOI:**

AEI/PID2020-116564GB-I00/AEI/10.13039/501100011033

**Job description:**

- Next-generation molecular simulations and potentials of neural networks with the aim of substantially affecting simulations based on physics and molecular dynamics.
- OpenMM development.
- Contribute to the research lines of the Computational Science Laboratory.

**Skills and Experience:**

The candidate will preferably have a profile in physics, chemistry, computer science or similar discipline.

We seek exceptional candidates with a passion for using computation to solve real life problems in drug discovery. Experience in previous drug discovery projects and tools either from a method development perspective or from an application perspective is required.

The capability to think out of the box, the ambition to work in very innovative projects and very good communication skills in English.

Experience in statistics/machine learning and good knowledge of Python. Very good publication record.



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**Benefits of the opening:**

Gross salary/year of 14.225,56€

Category: PSR 2 level p.

Part time dedication, 15 hours per week.

Indefinite contract as provided for in RD 32/2021 of December 28, 2021.

**Selection criteria:**

1. Academic Training: 0-20 points.
2. Professional experience/suitability to the proposed profile: 0-60 points.
3. Other merits: 0-20 points.

Minimum score to pass the selection process: 80 points.

**Selection committee:**

President: Gianni De Fabritiis

Vocal 1: Raul Pérez Peláez

Vocal 2: Berta Alsina Español

**Information on the participation process:** send an email with a copy of the candidate's curriculum vitae with the **reference MELIS-PSR-INDF-2023-44** on the email subject.

**Contact:** [recruitment.melis@upf.edu](mailto:recruitment.melis@upf.edu)

**Application submission deadline: 20/08/2023**