



Universitat  
Pompeu Fabra  
Barcelona

Departament  
de Medicina  
i Ciències de la Vida



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<b>Date of publication of the job offer 02/06/22</b>
<b>Job title:</b> Postdoctoral Position, Machine Learning at the Computational Science Group, at the Research Programme on Biomedical Informatics. Ref. MELIS-INV-TEMP-2022-05
<b>Job description</b> <ul style="list-style-type: none"><li>- Next-generation molecular simulations and potentials of neural networks with the aim of substantially affecting simulations based on physics and molecular dynamics.</li><li>- OpenMM development.</li><li>- Contribute to the research lines of the Computational Science Laboratory.</li></ul>
<b>Project and Institution that finance the contract</b> AEI/PID2020-116564GB-I00/AEI/10.13039/501100011033 - Gianni de Fabritiis Neural network potentials for next generation molecular simulations <b>Official number reference/AE/Research Spanish Agency DOI</b> AEI/PID2020-116564GB-I00/AEI/10.13039/501100011033
<b>Skills and Experience:</b> <p>The candidate will preferably have a profile in pharmacy, medicinal chemistry, organic chemistry or similar discipline.</p> <p>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.</p> <p>The capability to think out of the box, the ambition to work in very innovative projects and very good communication skills in English.</p> <p>Experience in statistics/machine learning and good knowledge of Python.</p> <p>Very good publication record.</p>
<b>Benefits of the opening</b> <p>The candidate will receive a contract with a gross salary/year of 35.600€ plus Social Security costs.</p>



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### **Information on the application process**

The interested candidates must send their CV to the address [gianni.defabritiis@upf.edu](mailto:gianni.defabritiis@upf.edu).

[Additional information.](#)

**Deadline to submit applications 07/06/22**

**Contact** [gianni.defabritiis@upf.edu](mailto:gianni.defabritiis@upf.edu)