Date of publication of the job offer: November 18, 2020

Job Offer: **PhD position: Scalable machine learning at the Computational Science Group**

Job Description:
Universitat Pompeu Fabra http://www.upf.edu and Prof. Gianni De Fabritiis, ICREA research professor https://es.linkedin.com/in/gdefabritiis, are looking to recruit a PhD student for a PhD on AI. Lab website: http://www.compscience.org/

Relevant References: https://scholar.google.es/citations?hl=en&user=-_kX4kMAAAAJ&view_op=list_works&sortby=pubdate

This project aims to develop methods and applications that are scalable over computer cluster and distributed computing architectures. The results are expected to be publishable in the highest impact scientific journals. There will be ample opportunities to present his/her work at international meetings and conferences. In particular we are interested in challenging three-dimensional environments ranging from the micro to the macro scale.

Project and Institution that finance the contract : The work is supported with H2020 European Commission Funds, by grant H2020-CompBioMed2-Gianni de Fabritiis

Official number reference: PREUR00419 - H2020-CompBioMed2-Gianni de Fabritiis

Skills and Experience
The candidate will preferably have a profile in computer science, physics or mathematics. However, we seek exceptional candidates with a passion for computing, the capability to think out of the box, the ambition to work in very innovative projects more than specific profiles.

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

Previous experience in reinforcement learning and related fields, Python proficiency and coding skills, knowledge of Tensorflow or pytorch, familiarity with Linux and the ability to work with version control systems (e.g. git) are required.

Benefits of the opening
The successful candidate will be offered a part-time contract, with an annual gross salary around 19-20.000 EUR, commensurable with experience, with the possibility for an extension. Very good computational infrastructure.

Information on the application process:
Send CV to carina.oliver@upf.edu (Ref. C2_GdF)

Deadline to submit applications Dec 4, 2020