



Universitat
Pompeu Fabra
Barcelona

Departament
de Ciències Experimentals
i de la Salut



Date of publication of the job offer – October 23rd 2019

Job Offer

PhD position in reinforcement learning of agents in 3D environments at the Computational Science Group.

Job Description

The candidate is expected to develop new methods for efficiently achieving tasks/goals in a 3D environment by interacting with it via actions and observations.

Project and Institution that finance the contract:

The work is supported by grant: AEI-BIO2017-82628-P (FEDER/UE) FABRITIIS from the Spanish Ministry of Economy (MINECO), FEDER and Agencia Estatal de Investigación sources.

Official number reference:

AEI-BIO2017-82628-P (Aplicación de métodos de aprendizaje automático y de aumento de datos en el estudio de la conformación proteica y el reconocimiento molecular para el desarrollo de fármacos)

Skills and Experience

The candidate will preferably have a profile in physics, computer science, mathematics, chemistry and engineering or related areas. We seek exceptional candidates with a passion , the capability to think out of the box, the ambition to work in very innovative projects and very good communication skills in English. Also we require;

Very good programming skills in Python

Experience on a machine learning framework like Pytorch or Tensorflow

Previous experience with reinforcement learning

Benefits of the opening:

The successful candidate will be offered a full 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 and letter of interest, to carina.oliver@upf.edu (REF: GdF_PN)

Deadline to submit applications: November 10th 2019