**PhD Position**

**Position Profile:**
Degree/Master in Bioinformatics, Data Science, Statistics, Mathematics or related fields. Experience in transcriptomics, gene regulatory networks or neuronoanatomy will be valued. Proficiency in English is required; also, in R, Python… Strong skills in machine learning and Bayesian networks are necessary.

**Description of Work:**
The successful candidate will work at Computational Intelligence Group ([http://cig.fi.upm.es/](http://cig.fi.upm.es)) at the School of Computer Science of the Technical University of Madrid in Madrid, Spain. He/she will undertake a multidisciplinary project to understand human brain transcriptome data (coming from the Allen gene expression brain atlas). There are three main objectives: estimate density profiles of each cell type from the transcriptome (regression models), create transcriptomic brain regions which are molecularly similar (probabilistic model-based clustering), and build gene regulatory networks (Bayesian networks). This project is part of the European Union’s Horizon 2020 Flagship Human Brain Project (Specific Grant Agreement No. 785907).

**Duration of contract:**
21 months. From July 20, 2018 to March 31, 2020

**(gross) Salary:**
Up to €24000 per annum (full time), depending on skills and experience

**Start date:**
July 20, 2018

**Application deadline:**
July 16, 2018

**Contact:**
Interested candidates should send their CV to Concha Bielza (mcbielza@fi.upm.es) and Pedro Larrañaga (pedro.larranaga@fi.upm.es).