

Postdoctoral fellow and PhD student positions in computational biology

available at GrecoLab (Tampere University, Finland)

The research group of associate professor Dario Greco at the Faculty of Medicine and Health Technology and BioMediTech Institute at the Tampere University (Finland) focuses in advancing the fields of systems toxicology and predictive pharmacology using big data modelling and machine learning algorithms. We have a unique combination of expertise that spans systems biology, toxicology, cheminformatics and bioinformatics. Our vision is to push the state-of-the-art in predictive toxicology and pharmacology and subsequently address some of the major challenges arising in chemical safety assessment and drug development. We are seeking for highly motivated postdoctoral researcher and PhD student with a strong background in data mining, data modelling, biostatistics and machine learning.

The main tasks will include: integrating, analyzing and modelling large and diverse datasets comprising molecular descriptors and mechanism of action (OMICS data) of chemicals and nanomaterials; analyzing and modelling large OMICS data sets of molecular epidemiology; collaborating with other researchers in Finland and abroad.

The ideal candidates hold a M.Sc./Ph.D. in relevant disciplines with a strong publication record. Moreover she/he is an expert in at least one of the following: OMICS data analysis and integration, QSAR, read-across, statistical modelling, network inference.

Applications including i) a research statement, ii) a CV and iii) a cover letter including names of at least two referees, can be sent via email to dario.greco@uta.fi by the 30th of May 2019.

GrecoLab is currently involved in the large collaborative projects:

EU H2020 NanoSolveIT (<http://www.nanosolveit.eu>)

EU H2020 NanoinformaTIX

EU IMI2 BIOMAP

EU FP7 NANOSOLUTIONS (<http://www.nanosolutionsfp7.com>)

EU H2020 LIFE PATH (<https://www.lifepathproject.eu>)

EU H2020 CALIBRATE (<http://www.nanocalibrate.eu>)

Moreover, receives funding from the Academy of Finland and Business Finland.

GrecoLab info:

<https://research.uta.fi/toxicology-and-pharmacology/>

<https://scholar.google.com/citations?user=gYQtSFkAAAAJ&hl=en>

https://www.researchgate.net/profile/Dario_Greco