Human geneticist with NDD specialization

The Company

STALICLA is a patient-centric biotech company on a unique mission to identify, develop and bring precision medicine to patients with neurodevelopmental disorders (NDD), with a first application in autism spectrum disorder. STALICLA has assembled a world-class team of experienced drug developers,clinicians and computational systems biologists.

DEPI, the company's unique drug discovery platform, characterizes biologically similar subgroups of patients within highly variable populations of patients with neurodevelopmental disorders, and further identifies tailored treatments. To support its drug discovery platform and pipeline development, STALICLA has established strong networks within top tier research and clinical centers.

STALICLA's platform has already proven successful in expediting and de-risking a first pipeline, STP1, tailored to a subgroup of patients with autism spectrum disorder which will be entering clinical trials this year. In addition, STALICLA's Discovery and Data Science (DDS) unit is currently advancing new precision medicine pipelines for two additional groups of patients with Autism Spectrum Disorder (ASD).

Background

STALICLA is expanding its Discovery and Data Science (DDS) unit in Barcelona. STALICLA's DDS unit in Spain focuses on the identification of subgroups of patients based on genetic, phenotypic and clinical factors, integrating molecular, anatomical and medical data via computational systems biology. Through biomedical big data analysis, the research unit leverages clinically advanced entities to bring tailored treatments to patients with NDDs. The fundamental elements of STALICLA research platform include the computational analysis of omics data (proteomics, genomics, transcriptomics, metabolomics, etc.), clinical text mining and personalized systems medicine. The main analyses involve bioinformatics, statistical modeling and machine learning centered on the biology of diseases, comorbidities and pharmacology.

Position

Title: NDD geneticist
Location: World Trade Center, Barcelona
Duration: Permanent
Salary: Competitive - depending on experience and profile

Candidates living Barcelona or EU and able to relocate rapidly would be preferable.

The role

The NDD geneticist will contribute to updating STALICLA's proprietary knowledge bases towards the characterization of "targetable" molecular, genetic and clinical features in

neurodevelopmental disorders. Within this project, s/he will moreover help supervise work from other members of the unit to ensure high quality results. S/he will also participate in processing and analyzing biomedical data within the context of ongoing observational studies and computational systems biology projects, ranging from the identification of biological pathways associated with ASD and comorbid neurodevelopmental disorders, to the improvement of our next generation sequencing (NGS), variant prioritization and clinical data mining pipelines. Candidates with a PhD. in human genetics and a strong background in NDDs, as well as with previous experience on NGS (i.e. WGS and/or WES) data analysis, are preferred.

Work environment

The STALICLA DDS office is located by the sea, overlooking the port of Barcelona and it has easy access to the public transportation. Perks at the office include free coffee, tea and fresh fruits.

Desired skills & software

Must have

- PhD. in human genetics or equivalent
- Demonstrable experience in the analysis of whole-genome and/or whole-exome sequencing data and the functional interpretation of genetic variants
- Prior experience in the field of Neurodevelopmenta disorders or CNS genetics
- Linux, shell scripting
- R (+Bioconductor) and/or Python

Good to have

- Experience with cluster and/or cloud computing (AWS preferred)
- Experience with SNP array data and other NGS techniques (preferably RNA-seq data)
- Experience with text mining and NLP (preferably on clinical and biomedical text)
- Experience with machine learning
- MySQL, Neo4j, MongoDB or equivalent
- Git, Makefile, Nextflow (or equivalent), Docker

In addition, the candidate is expected to have:

- A high comfort level working in a high paced start-up environment, where a pragmatic, resourceful, well organized and effective approach is required with limited resources
- A hands-on, decisive approach and a proven ability to work independently and as a team player
- Excellent communication skills in English
- A passionate, energetic and enthusiastic personality that will ensure commitment to the company and its vision

Application procedure

If you are ready to take on this step in your career, please send your application to
info@stalicla.com

Due to a high volume of applications, no information will be provided by phone.

Apply only if your profile matches the aforementioned mandatory requirements.
Only applications including a CV and a tailored cover letter in English will be considered.