

Barcelona, May 10<sup>th</sup>, 2021

## Computational Biologist Intern – Job Description

### The Company

STALICLA is a patient-centric clinical-stage company on a unique mission to identify, develop and bring precision medicine to patients with neurodevelopmental disorders (NDDs). Overall, neurodevelopmental disorders are disabilities in the functioning of the brain that affect a child's behavior, memory or ability to learn, including intellectual disability, dyslexia, attention deficit hyperactivity disorder (ADHD), learning deficits and autism. NDDs affect 1 in 6 children worldwide.

STALICLA's first focus of development has been Autism Spectrum Disorder (ASD). Today, patients diagnosed with ASD account for 1-1.5% of the world population. The condition remains a high unmet medical need.

STALICLA has assembled a world-class team of experienced drug developers, clinicians, computational systems biologists, geneticists and software engineers, developing a first-in-class precision medicine platform using systems biology, machine learning & statistical modeling to accelerate drug development for patients with NDDs. DEPI, the company's first-in-class 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 DDS (Discovery and Data Science) unit in Barcelona is currently advancing new precision medicine pipelines for two additional groups of patients with ASD.

### Position

Position Title: Computational Biologist Intern  
Location: STALICLA DDS, World Trade Center, Barcelona  
Duration: 3 to 6 months

*Candidates currently enrolled in a bachelor's or master's degree in a University in Spain would be preferable.*

### The role

The intern will participate in biomedical data analysis within the context of ongoing computational systems biology projects, ranging from the identification of biological processes and pathways enriched for genes associated with conditions comorbid across neurodevelopmental disorders (NDDs), extraction and curation of features for the characterization of NDD subgroups, maintenance/deployment of our next-generation sequencing pipelines, and clinical data mining. The intern will work closely with other members of the unit to integrate genomics and phenotype data to better understand how

genes work together at the systems biology level to alter risk for autism and other neuropsychiatric disorders.

### Work environment and supervision

The STALICLA DDS office at the World Trade Center is located at the 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. The intern will have complete supervision until the desired technical skill level is reached and the independence on satisfactorily performing assigned tasks is demonstrated. After competence is reached, minimal supervision should be necessary unless requested. Candidates with previous experience on next-generation sequencing analysis and/or biomedical text mining, or who are open to learning these skills, are preferred.

### Desired skills & software

- Python and/or R
- Linux & shell scripting
- Statistical data analysis / machine learning
- Good communication skills in English
- A passionate, energetic and enthusiastic personality

Knowledge or interest in NDDs or related therapeutic areas is an asset.

STALICLA promotes diversity, equal opportunity and inclusion. Female, minority and candidates with disabilities are strongly encouraged to apply.

### Application procedure

Please send a copy of your CV along with the info on your availability (starting date and internship duration) to: [hr@stalicla.com](mailto:hr@stalicla.com)