Barcelona, April 4th, 2021

Medicinal Chemist – Senior Scientist

Consultancy/part time – TBD depending on the profile

The Company

STALICLA is a patient-centric clinical-stage company whose key mission is to identify, develop and bring precision medicine to patients with neurodevelopmental disorders (NDDs). Overall, neurodevelopmental disorders are disabilities in the functioning of the brain caused by an atypical brain development that results in abnormal behavior, memory or ability to learn. NDDs affect 1 in 6 children worldwide and include intellectual disability, dyslexia, attention deficit hyperactivity disorder (ADHD), learning deficits and autism.

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 and the condition remains a high unmet medical need, with no pharmaceutical treatments available to address the core symptoms.

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 unique drug discovery platform, characterizes biologically similar subgroups of patients within highly variable populations of NDD patients, 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 ASD 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 subgroups of ASD patients.

Position

Primary Location: Barcelona, Spain

Schedule: Consultancy / part time – TBD depending on the profile

The role

STALICLA is currently expanding its pipeline of drug development programs and clinical activities and is thus opening a 'Medicinal Chemist – Senior Scientist' position. The right candidate for this role will be fully accountable for all aspects of medicinal chemistry (MC) and formulation development studies.

As part of our Non-Clinical Development and Discovery and Data Science teams, the MC – Senior Scientist will work as part of an interdisciplinary team and will use her/his synthetic chemistry abilities, to design effective therapeutics. S/he will be responsible for setting up and executing the study, the identification, the formulation and synthesis of the drug products and related compounds for all assets from lead selection to clinical development (Phase I/II/III).

S/he will work with the members of Discovery and Data Science Unit, performing various tasks pertinent to chemoinformatics and drug screening, including assisting computer-aided drug design and prioritizing & optimizing hits. S/he will work closely with Senior Chemoinformatician Scientist and will report to the Head of Discovery and Data Science and the CEO of the company.

Key Responsibilities/Expertise

The candidate will be an experienced Biotech/Pharma industry professional, with a demonstrable track record in MC, selection and development of small molecules, preferably in the CNS therapy areas.

Specific responsibilities include:

- Managing the identification and selection of compounds based on STALICLA's NDD-phenotype identification *in silico* platform, supporting the advancement of new and existing drugs through hit to lead and lead optimization, process chemistry & development, synthetic & structural analysis
- Supporting the company's MC strategy for drug discovery and optimization with a focus on innovation and business & regulatory compliance aspects
- Working together with chemoinformatics and bioinformatics team members to support the advancement of *in silico* candidate selection
- Supporting the characterization of compound bioactivity through in-depth analysis of structure-activity relationship (SAR)
- Coordinating MC and process scaling up activities to support repositioning candidate prioritization, optimization and validation

- Leading collaboration with CMC CROs, including planning, authoring, reviewing, coordination activities
- Generating and securing IP for chemical entities and formulations
- Assessing MC aspects of license-out, license-in opportunities
- Participating in the planning of regulatory affairs matters and supporting CMC regulatory compliance for Phase I/II/III clinical trials
- Ensuring the delivery of MC development activities on time and on budget

Requirements

Basic Qualifications/Requirements:

- MSc or Ph.D. in Medicinal Chemistry, Organic Chemistry, Pharmaceutical Chemistry, Pharmaceutical Science or relevant field with significant experience and demonstrated track record in leading NCE development projects and technical expertise in organic synthesis and development of pharmaceutical products and formulations
- Minimum 10 years of experience being responsible for small-molecule drug discovery teams in a pharma or biotech setting. Broad experience and strong understanding of all aspects of state-of-the-art drug discovery including pharmacology, ADME/PK principles, computational chemistry, and IP strategy
- Experience with *in silico* molecular modeling for drug discovery based on computational molecular and structural descriptors
- Knowledge and experience in QSAR modeling *in silico* drug virtual screening and DMPK optimization
- Hands-on experience in selecting, negotiating with and managing partners such as consultants, CROs and CDMOs. Working experience in the management of analytical and chemical development outsourced activities including route scouting, scale-up, QbD and process validation

In addition, the candidate is expected to have:

- Practical experience with GLP laboratory formulation development, clinical pilot plant manufacturing as well as full scale GMP manufacturing is an asset.
- Good understanding of GMP requirements
- Ability to both propose and implement appropriate strategies; and to identify the most efficient and cost-effective development pathway to achieve the company's objectives

- Fluency in English (verbal and written communication)
- Excellent problem-solving, conflict-resolution and decision-making skills
- A collaborative and patient-focused mindset
- A high level of comfort working in a fast paced start-up environment, where a pragmatic, adaptive, well organized approach is required with limited resources
- The ability to work in a multidisciplinary and international environment

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

Please submit application to: hr@stalicla.com