Formulation Chemist

About Cristal Therapeutics
Cristal Therapeutics is a highly innovative biotech company and applies three distinct and interconnected technologies together with biologic insight to improve the therapeutic profile of our own and partners' product development. Based on over 10 years of experience, Cristal's CliCr®, CriPec® and CriVac® technologies provide superior conjugation, enhance target specificity and engender highly selective immune responses, respectively, thereby increasing efficacy and reducing toxicity. In house, there is explicit focus on an siRNA product pipeline. Besides, the company aims to be the partner of choice for unleashing the full potential of e.g. chemotherapeutic agents, immuno-oncology treatments and vaccines, amongst a broader range of therapeutics, tuned to modality and indication.

Currently, we have a vacancy for a **Formulation Chemist** to pursue our ambitious endeavours in in-house product development projects and in various collaboration projects with renowned biotech and pharmaceutical companies worldwide.

The position
In your position as formulation chemist, you will be responsible for the synthesis of starting materials, formulation and bioconjugation elements of the resulting new drug product, from early start of a project till meeting the deliverables within agreed timelines and budget. Hereto, you will actively contribute to identify the key synthesis, formulation and bioconjugation elements based on our tuneable platforms and will provide experimental support to generate starting materials, intermediates and final compositions most efficiently. You will have functional relationships with your internal colleagues (technicians, researchers and scientists in analytics, chemistry, formulation, and biology) as well as with co-development partners, including academic and industrial parties.

The challenge
In your role as formulation chemist you:

- Manufacture, purify and characterise starting materials, intermediates and final products of requested composition and amount, incl. handling instruction preparation, as required to assure sufficient material on the shelf as well as to supply needs of individual project teams
    - More explicitly this comprises amongst others initiators, polymers and modified polymers, next to linker and drug-linker modalities as well as ligand-constructs, to be uniquely assembled into (targeted) CriPec nanomedicines, CriVac vaccines or CliCr conjugates
    - Synthesis can be done in-house or is outsourced to specialised CDMOs
- Prepare plans, execute and prepare reports for chemical and/or pharmaceutical development studies. In case activities are outsourced, you will coordinate all elements from quote till final report and material supply.
- Communicate the chemical and/or pharmaceutical aspects of any product to third parties, incl. share handling instructions and full characterisation results (i.e. CoA)
- Provide scientific input (incl. literature search and gather expertise from a network of KOLs) for chemical and pharmaceutical development activities, based on request from project teams and/or pro-actively to strengthen the enabling technologies
- Evaluate chemical and pharmaceutical development aspects of new product and platform opportunities, where needed prepare corresponding development plans
- Take part in project teams, and as a member you will:
    - Identify the key chemical and pharmaceutical questions per project, determine the required quality levels, select the most appropriate synthesis, formulation and bioconjugation approaches
    - Contribute to scientifically sound project plans based on mutually defined quality criteria together with the project team (and external collaborators where applicable)
    - Execute agreed project plan in line with pre-set quality levels on content, timelines and budget (including resources)

The profile

- PhD in pharmaceutical sciences, chemistry or equivalent
- At least 3 years of industrial R&D experience in synthesis and formulation development
- Experience with organic and polymer chemistry, biodegradable linkers, nanomedicine formulation as well as bioconjugation (small molecules, oligonucleotide, protein and/or nanoparticle conjugation) and sophisticated analytical evaluation of the intermediates and final compositions
- Experience with using a QA/QC system, accordingly familiar with corresponding guidelines and infrastructure

Your skills

- Excellent communication skills with colleagues and partners from highly diverse backgrounds
- Optimal organisation skills: You have the ability to work on multiple projects under time pressure without compromising on quality
- Analytical and creative problem-solver
- You are a self-starter eager to work in a flexible environment with a pro-active, hands-on and multi-disciplinary mind-set
- Quality awareness
- Team player, eager to contribute to the success of a small, innovative company
- Fluent in English both in word and writing

What Cristal Therapeutics offers

- Opportunity to use your talents and competences in the development of innovative drug products, and to further strengthen them
- Continued industrial training, including goal-oriented project management and supporting colleagues herein
- A competitive remuneration package
- Opportunities to grow both from content perspective as well as on a personal level
- Work in a small multidisciplinary team with ambitious colleagues to enable successful worldwide product development

Is this your next growth step?

Please send your C.V. and motivation letter in English to the attention of Dr. Marielle Thewissen, Director Translational Medicine, to email-address: vacancies@cristaltherapeutics.com before 30 April 2022.