



Internship position - Master students

Citryll is a young and dynamic clinical stage therapeutic biotech company, located at the Pivot Park in Oss, The Netherlands. Citryll is taking a new approach to treat immune mediated inflammatory diseases including autoimmune diseases like Rheumatoid Arthritis (RA), as well as severe skin and lung conditions. Citryll's lead therapeutic, CIT-013, specifically extinguishes the source of proinflammatory components, organ damaging components and autoantigens instead of broadly suppressing the acquired chronic inflammation.

Neutrophil extracellular traps (NETs) are part of the innate immune defense mechanisms but become pathogenic when their release is abundant and uncontrolled. CIT-013 binds to N-terminal citrullinated epitopes on histones present in NETs, blocks NET formation, and promotes clearance of preformed NETs in tissues, all downstream of the protein citrullination pathway mediated by PAD enzymes. Inhibition of NET formation and accelerating clearance of preformed NETs reduces the exposure of autoantigens and toxic histones to the extracellular environment, leading to a decrease of proinflammatory mediators and protection of endothelial lining and organ tissue.

CIT-013 is a human antibody and is currently being tested in the clinic for safety & tolerability, PK and PD and the first clinical data have been evaluated. The next step in development will be the start of proof-of-concept phase 2a clinical studies.

In Oss, the birthplace of many blockbuster drugs including the most successful PD1 antagonist antibody, we conduct various R&D elements of the CIT-013 program. This includes mechanism of action studies, research on new therapeutic use, bioanalytical assay development, clinical sample testing and pharmacological studies on patient neutrophils and whole blood.

Description

You will work in a small team of scientists and technicians, and participate in:

- Isolation of human immune cells from blood.
- Development and performance of various immunological cell assays.
- Scientific meetings, including work and literature discussions.
- Presenting experimental results and writing lab journals.
- Supporting and maintaining general laboratory activities.
- A full-time internship position (40 hours per week).
- Starting from 2024

Competencies, qualifications, and skills

- Master student in molecular life sciences or related discipline.
- Interested in immunology.
- A minimum of 6 months commitment, longer periods are preferred.
- Excellent technical writing and oral communication skills in English.
- Highly motivated, accurate, and quality-minded.
- Pro-active, can work well in a team, as well as independently.
- You like to work in the environment of a dynamic biotech company where quality, speed, motivation, team spirit and results are of the utmost importance to be successful.

Interested?

Please send your CV and motivation letter in English (A4 = max.) to dr. Maarten van der Linden (info@citryll.com).

More information

<https://citryll.com>