

Date: 15/09/2021

Avroxa bv

Technologiepark-Zwijnaarde 82

B-9052 Gent, Belgium

VAT BE0687.774.936

Email: careers@ultroxa.com

Tel.: +32 487 196 739

Website: <https://ultroxa.com/>

Contact: Victor R. de la Rosa

Job Offer: Scientist Specialized in Polymer Chemistry

Avroxa is a technology based company specialized in the development of innovative polymers and macromolecules. We develop innovative materials for applications in various fields with a focus on therapeutics, drug formulation, nanomedicines and biomaterials.

We are rapidly growing our activities and are seeking positive, proactive and professional individuals to join our dedicated team. To support our continuous growth and reinforce our R&D team in Ghent we are looking for a **Scientist** with a passion for **polymer chemistry**.

In our labs we create new science, develop new scalable synthesis methods and apply innovative technologies for high quality monomer and polymer production. Joining our team you will be working on the exciting chemistry and technology that make us the reference developer of high-quality, ultrapure poly(2-oxazoline)s and polyalkyleneimines.

Responsibilities

- Leads R&D projects, both internal as well as joint research projects with biotech companies.
- With the support of laboratory technicians, leads the synthesis and purification of a range of polymers utilizing techniques such as filtrations, distillations, flash chromatography, size-exclusion chromatography, etc.
- Develops new chemistries optimizing existing procedures and developing new ones.
- Assists in the technology transfer process to CMO to produce cGMP materials.
- Characterizes the obtained materials using a variety of techniques such as NMR spectroscopy, Size Exclusion Chromatography (GPC/SEC), HPLC, IR, UV-VIS spectroscopy, etc.
- Familiar with purification techniques such as preparative GPC/SEC, automatic purification systems.
- Out of the lab, you will register the information related to experiments and synthesized materials electronically and are responsible for the traceability of the performed operational work through recording of all data and results in specified forms (paper and electronic) with accuracy and accountability.
- Drafts patent applications.
- Communicates and coordinates efficiently with your colleagues in a global cross-functional team.

For this role we are looking for candidates with

- Master or PhD degree in chemistry, with a strong polymer chemistry background.
- Strong safety mindset.
- Skilled in **polymer synthesis and characterization**. Skilled in the use of Schlenk techniques, air-free techniques, controlled polymerizations.
- Understands the scientific principles related to the operation of modern laboratory, analytical, and/or processing equipment.
- Experience with poly(2-oxazoline)s and polyalkyleneimines is an asset.
- Familiarity with nucleic acid formulation will be valued.
- Familiarity with size exclusion chromatography techniques, both analytical as well as preparative, is an asset.
- Excellent command of English, oral and written. Ability to draft reports.
- Excel, PowerPoint and Word proficiency is a must.
- Collaborative and communicative. Can work independently, precisely and time-consciously.
- Thinker and doer. Hands-on.
- Previous experience in an industrial setting is an asset, particularly in the biotech or biomedical sector.
- Experience in patent drafting is an asset.

Offer

Research contract – full time, as Scientist in a stimulating international R&D environment. This is your opportunity to be part of a growing start-up specialized in a revolutionary polymer platform with the potential to shape the future of biomedicine.

We offer an exciting position in our rapidly expanding company, with plenty of possibilities for growth within the organization. We look for talent and will adapt the role to the right person.

Interested?

For more information please contact Victor R. de la Rosa, tel.: +32 487 196 739, and send your CV and motivation letter to careers@ultraxa.com.