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Avroxa bvba

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Job Offer: Scientific Researcher in Polymer Chemistry or Material Science

AVROXA is seeking a motivated **R&D Scientist** in the framework of a new European project.

The project consortium includes other innovative companies as well as top universities in the Netherlands, Belgium, France and the UK.

The main goals of the project involve the delivery of:

1. Personalized medical devices, designed using the images acquired for individual patients.
2. Complex shapes and miniaturized geometries for implants and surgical instruments, to enhance treatment effectiveness and post-treatment recovery.
3. Streamlined care by integrating diagnosis, design and manufacturing of 3D printed medical devices with post operatory evaluation into a validated and widely accessible software platform.

The project spans 36 months. We offer an exciting position in our rapidly expanding company, with plenty of possibilities for growth within the organization beyond this project.

The job

- Investigate new chemistries and polymer compositions to develop functional coatings and materials.
- Synthesize new polymers and functionalize them with relevant (bio-) molecules.
- Apply the synthesized materials as coatings using a wide variety of techniques.
- Characterize both the materials as well as the coated surfaces using a variety of techniques (chromatography, NMR spectroscopy, contact angle, IR, etc.)
- Write SOPs and reports.
- Communicate and coordinate efficiently with your colleagues and other members of the consortium. Preparing and reporting activities and meetings within the framework of the project.

You

- The ideal candidate must be familiar with key scientific disciplines and technologies involved in polymer synthesis and biomaterials, and demonstrate solid understanding of chemistry principles.
- Experience in coatings development and characterization is preferred. Knowledge of polymer/organic chemistry and scientific principles related to the operation of standard laboratory, analytical, and/or processing equipment.
- Excellent command of English, oral and written. Ability to draft and review reports, batch records and SOPs. Familiarity with spreadsheet software (e.g., Microsoft Excel) is a required competency. Authorship of peer-reviewed publications and especially patents is a plus.
- Collaborative and communicative. Can work independently, precisely and time-consciously.
- Education Requirement: degree in chemistry, chemical engineering, materials science, bioengineering, or relevant fields with no less than 2 years of experience in biomaterials or organic/polymer synthesis.
- Previous experience in an industrial setting is an asset.

Offer

Research contract –full time, indefinite duration- as a scientific researcher in a stimulating international R&D environment. Plenty of possibilities for personal development within our fast growing organization beyond this project.

Interested?

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

Our company

Avroxa bvba is a technology based company specialized in research and manufacturing of a vast range of unique poly(2-oxazolines) for applications in therapeutics, drug formulation, nanomedicines, biomaterials and diagnostics. Beyond biomedicine, the unique versatility of the poly(2-oxazoline) polymer platform enables its use in a wide range of areas spanning from cosmetics to smart materials.

We are a spin-off company from Ghent University and our team accumulates over 30 years of combined scientific excellence in the poly(2-oxazoline) field. We work closely with our customers and partners designing tailor-made polymers that enable the creation of innovative products in a wide range of areas.