

1-year contract – renewable / Based in Epalinges (Vaud), Switzerland / Full time, 100%

Volumina Medical is a start-up, spin-off from EPFL (Ecole Polytechnique Fédérale de Lausanne), active in the field of implantable medical devices for reconstructive and plastic surgery. Since 2018, we develop cutting-edge injectable polymer-based biomaterials designed to reconstruct damaged tissues, e.g. after tumor ablation or due to aging.

The start-up Company is preparing for a growth phase, involving clinical activities as well as for market launch of its highly innovative lead product. In order to accompany this growth, we are looking for a highly motivated candidate to be responsible for the product and process development.

In order to reinforce the product and process development team, the Company is opening a position of R&D Engineer in chemistry / polymers. The candidate will collaborate in strong collaboration with the Microniche Laboratory of the University of Geneva.

### Your mission

- Identify and tests new polymer synthesis routes with polysaccharides
- Identify and tests methods for functionalizing a scaffold biomaterial with polymers, proteins and small molecules / drugs
- Produce biomaterials and collaborate with biologists for testing their in vitro and in vivo properties.
- Characterize biomaterials (microscopy, chemical characterization (DSC, TGA, HPLC, FTIR, ...), titrations, rheology, compression tests, ...)
- Write technical study protocols and reports, as well as participate to the redaction of scientific publications

### Your background and experience

- A Master's degree or PhD in Chemistry, Polymer Chemistry, Chemical Engineering with 1-3 years experience.
- Practical experience in synthesis and characterization of materials and polymers
- Strong communication and teamwork skills.
- Excellent creativity, and problem-solving skills.
- Oral and written proficiency in English is a plus

### Your personality

- You enjoy laboratory work and care about the quality of your results and their documentation
- You are organized and rigorous in your work
- You are proactive, polyvalent and able to work autonomously
- You are objective oriented and challenges stimulate you
- You enjoy working in a multidisciplinary team and having interactions with others

### We are offering

- A dynamic and stimulating work environment, at the forefront of biomedical technology and innovation and on a dynamic life-science campus
- The opportunity to express your skills and to grow together with the team
- The integration into a multidisciplinary team, where your opinions count
- To contribute in improving quality of life for millions of patients in the long term

To apply, please send your application (CV, motivation letter, reference letters and work certificates if available) to Laurence Rivier, Senior Validation Engineer, [laurence.rivier@volumina-medical.ch](mailto:laurence.rivier@volumina-medical.ch)

