Lonza

Graduate Student

Job Description Summary

Today Lonza is a global leader in life sciences. We are more than 15,000 employees in more than 100 locations around the world. While we work in science, there's no magic formula to how we do it. Our greatest scientific solution is talented people working together, devising ideas that help businesses to help people. In exchange, we let our people own their careers. Their ideas, big and small, genuinely improve the world. And that's the kind of work we want to be part of.

Within our research and development centre in Visp, Switzerland, you will first investigate the effectiveness of a novel micro-structured plate reactor with/without active mixing via pulsed flow for a fast liquid-solid precipitation reaction. Afterwards, you will experimentally characterize the macro- and micro-mixing within the reactor in order to model and optimize the reactor geometry and operating conditions based on reaction kinetics and resulting solids physical properties (e.g., particle crystallinity, mean size and size distribution).

Key responsibilities:

- Responsible for an R&D project leading to the master degree, planning of experiments, execution of experiments and in some occasion supervision of a lab technician or apprentice, writing reports.

Key requirements:

- Bachelor of science in chemical engineering

People come to Lonza for the challenge and creativity of solving complex problems and developing new ideas in life sciences. In return, we offer the satisfaction that comes with improving lives all around the world. The satisfaction that comes with making a meaningful difference.