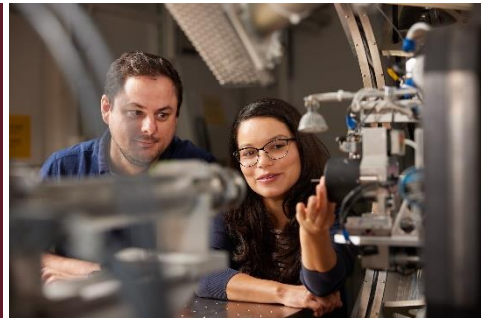




EXCELSUS
STRUCTURAL SOLUTIONS



Excelsus Structural Solutions (Swiss) AG is a highly innovative company and one of the world leaders in the polymorphic characterization of pharmaceutical drug substances and products. We offer unparalleled Synchrotron-based characterization services to pharmaceutical companies and major IP law firms.

To complement our team of scientists and to support our growth, we are looking for a

Scientist / Senior Scientist for Synchrotron X-Ray Powder Diffraction Analysis (m/f/d)

Location: Basel or Villigen, Switzerland

Full-time position, part-time (80%) possible

Start date: to be agreed

Date: 22/11/2023

Ref: ESS-0124

Your role

As a Scientist / Senior Scientist for Synchrotron X-ray powder diffraction (S-XRPD) analysis, reporting directly to the CEO of Excelsus, you will be primarily responsible for designing, preparing and performing S-XRPD and complementary scattering measurements for customers in the pharmaceutical industry. You will also be responsible for analyzing S-XRPD datasets and for presenting results in detailed experimental reports to these customers. You will also take responsibility for continuously improving the performance of the current characterization methods and for developing innovative technologies and services to meet the needs of our industrial customers.

Your specific tasks

- Define the most appropriate data collection, analysis strategy and experimental set-up to best address the problems under investigation and the customer needs. Prepare experimental plans accordingly.
- Execute S-XRPD measurements in an autonomous way at various synchrotron facilities in Europe or occasionally worldwide. Perform lab activities as needed in our Basel premises.
- Rigorously apply data analysis protocols developed internally and summarize the outcome of your work in accurate experimental reports.
- Present the results to customers and provide them with adequate scientific support and recommendations.
- Analyze S-XRPD data with the TOPAS software, in particular for projects related to pharmaceutical Intellectual Property issues.
- Perform all above activities in compliance with the company SOPs.
- Follow and abide by all company EH&S policies, practices, and procedures.
- Contribute actively to the continuous improvement of the above activities.
- Develop innovative data collection/analysis protocols and new techniques in order to always provide state-of-the-art services to our customers.
- Help expand our customer base and develop the marketing strategy of the company.
- Present R&D results in conferences, scientific publications and customer meetings.



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Your profile

Mandatory – extensive experience in powder diffraction techniques

- Completed PhD in physics, material science, chemistry or equivalent.
- Excellent knowledge of XRPD theory and techniques.
- Extensive/multi-year practical experience with XRPD measurements and data interpretation.
- Excellent knowledge of software for XRPD analysis.
- Ability to work in a very rigorous and autonomous way, performing tasks with extremely high accuracy and reliability, detecting deviations and inconsistencies.
- Ability to meet tight deadlines and operate with flexibility regarding working hours.
- Strong customer-orientation mindset; ability to develop innovative yet robust solutions to meet some particular customer needs.
- Open to travel to synchrotron facilities, conferences and customer premises outside Switzerland, if and when necessary.
- Strong team player.
- Excellent knowledge of English (spoken, written) and demonstrated experience in writing high-quality scientific communications.

Valued

- Postdoctoral experience in XRPD, ideally applied to (bio)pharmaceuticals.
- Knowledge of the TOPAS software for data analysis.
- Experience with Synchrotron-XRPD.
- Experience with the application of XRPD in a (bio)pharmaceutical company or a contract service organization.
- Experience with complementary analytical techniques such as SAXS and pdf analysis.
- Good knowledge of German.
- Business acumen. Interest in contributing to the strategy and commercial development of the company.

Depending on your profile, you may qualify for a Scientist or Senior Scientist level position.

Your benefits - what we offer

A unique opportunity to make a key contribution to the development of a company and thereby to grow your career by "leaps and bounds"

- A successful and highly innovative company, which is a well-recognized world leader in its area of activities.
- An international scientific environment.
- An attractive salary package, based on your skills and experience, including an annual bonus based on the company and individual performances.

Excelsus Structural Solutions (Swiss) AG is an **Equal Opportunity Employer**. For more information on our company, please visit our web site: <https://www.excelsusss.com/>

If you are interested, please send your application (CV + motivation letter) to: thibaud.stoll@excelsus2s.com. You can rely on our discretion

We are looking forward to hearing from you!