

## **Title: Scientist for Synchrotron-radiation X-ray powder analysis**

### **Job description**

As a Scientist for Synchrotron X-ray powder diffraction (S-XRPD) analysis, you will be primarily responsible for analyzing S-XRPD datasets. You will also prepare and perform S-XRPD measurements for industrial customers and present conclusions of the data analysis in detailed experimental reports.

- You will mainly:
- Analyze S-XRPD data with Topas software, more specifically for projects related to Pharmaceutical Intellectual Property issues.
  - Rigorously apply data analysis protocols developed internally and summarize the outcome of your work in experimental reports with pre-defined format.
  - Work in accordance with the company's Standard Operating Procedures.

- But also:
- Plan and execute S-XRPD measurements at the Swiss Light Source (Material Science beamline, Powder Diffraction Endstation) or at other synchrotrons worldwide.
  - Decide on the most appropriate data collection/analysis strategy to best address the problems under investigation. Prepare Experimental Plans accordingly.
  - Develop innovative data collection/analysis protocols in order to adapt to emerging trends in pharmaceutical R&D.
  - Help to expand customer base and develop marketing strategies.
  - Define and implement all required safety measures.
  - Contribute actively to the continuous improvement of the above activities.

### **Requirements**

- Completed PhD in physics, material science, chemistry or equivalent.
- Excellent knowledge of X-Ray Powder Diffraction theory and technique. Knowledge of synchrotron-XRPD is an important plus.
- Excellent knowledge of software for powder diffraction analysis. Knowledge of Topas is a great plus.
- Ability to work in a very rigorous and autonomous way, performing tasks with extremely high accuracy and reliability, detecting deviations and inconsistencies.
- Capable at the same time to keep the focus on the task you have been assigned and elaborate beyond it to solve more challenging problems
- A great team player
- Excellent knowledge of English (spoken, written) and experience in writing scientific communications. Basic knowledge of German is a plus.
- Ability to adapt to tight deadlines and work under pressure. Flexible approach to working hours.
- Strong customer-oriented mindset. Experience in contract research organization/in a pharmaceutical industry/ with S-XRPD is a great plus.
- Analytical thinking, excellent problem solving, organizational and project management skills. Ability to manage technical documentation.
- Great sense of responsibility, self-motivation and driving force for change.
- Open to travel to synchrotrons and conferences outside Switzerland, if and when necessary

**Start date:** to be agreed.

**Employment Type:** 80-100%; permanent position with probation period

**Seniority level:** entry level or commensurate to candidate's experience

If you are interested in working for a growing scientific/technological company, then send us your application in English at [jobs@excels.us](mailto:jobs@excels.us) together with a strong motivation letter. Or contact us if you have any questions!