



Syngenta is a global leader in agriculture; dedicated to bringing plant potential to life. Each of our 28,000 employees in more than 90 countries work together to solve one of humanity's most pressing challenges: growing more food with fewer resources. A diverse workforce and an inclusive workplace environment are enablers of our ambition to be the most collaborative and trusted team in agriculture.

Our employees reflect the diversity of our customers, the markets where we operate and the communities which we serve. No matter what your position, you will have a vital role in safely feeding the world and taking care of our planet. Join us and help shape the future of agriculture.

Vibrational Spectroscopy Expert (m/w/d) - 18033033

Vacancy Type: Permanent

Location: Switzerland – Mönchwil, Aargau (25 km East of Basel)

As **Vibrational Spectroscopy Expert** in our Syngenta Development Center you will be given excellent opportunities for being involved in the new product development and acting at the interface of product development and industrial production process development. The focus of the position is the development and implementation of advanced analytical techniques in the area of optical spectroscopy to improve efficiency during development and production as well as for detecting counterfeits. In this position you will be part of interdisciplinary project teams during product development and product lifecycle management.

Your responsibilities:

- You will evaluate and implement the use of vibrational spectroscopy in order to increase the efficiency of formulation development, production and product lifecycle management.
- You will closely cooperate with analytical colleagues across regions who use vibrational and other optical spectroscopies and act as a focal point for vibrational spectroscopy applications.
- You will develop a broad awareness of important measurement challenges within Syngenta businesses in order to identify high impact opportunities to deploy vibrational or other optical spectroscopy solutions including opportunities for using portable and hand-held devices in non-laboratory settings.
- You will bring forward new ideas for off- and on-line control of chemical and/or formulation processes and drive and monitor progress of significant projects in the area of PAT
- You will lead efforts to standardize Syngenta's use of optical spectroscopy instrumentation and Ways of Working.

- You will leverage external resources that can help us with our exploitation of optical spectroscopies.

What are we looking for:

- PhD Degree in the field of Analytical Chemistry/Physical Chemistry/Physics or equivalent.
- Very experienced in vibrational spectroscopy techniques, including NIR, IR and Raman, demonstrating creativity within the scientific/technical area
- Sound understanding of data analysis / data visualization / data modelling
- Very good understanding of both qualitative and quantitative analysis
- A sound understanding of experimental design and statistical data processing
- Good project management skills - good at planning and executing technical projects, in the transfer from bench scale to production scale
- You are fluent in English. Good knowledge in German, both oral and written, is beneficial
- With your openness and understanding of mutuality, your active communication and continuous value assessment you foster and encourage our team spirit. You communicate and work effectively with experts and non-analytical scientist alike. You see yourself as a creative problem solver.

What we offer:

We offer a variety of financial and non-financial benefits including:

- A competitive pension fund plan
- Working independently in an open and multicultural environment
- A position with interesting scientific challenges and training opportunities
- Scientific and technical excellence
- With your work you can make an impact to the food security of people -> #bringingplantpotentialtolife

Interested? We look forward to receiving your online application including all relevant documents (cover letter, CV, certificates) – reference number 18033033.

Syngenta is an Equal Opportunity Employer and does not discriminate in recruitment, hiring, training, promotion or any other employment practices for reasons of race, color, religion, gender, national origin, age, sexual orientation, marital or veteran status, disability, or any other legally protected status.