

# Sensor Development Engineer (m/f/d)



Temporär    Jobregion: Rotkreuz    Stellenprozent: 100%

## Beschreibung

As a first-tier supplier to our renowned business partner **Roche Diagnostics in Rotkreuz**, we are currently looking for a motivated and dedicated Sensor Development Engineer for a temporary assignment of 12 months, with high probability of extension.

The Technical Project Support Team, part of the Blood Gas Electrolytes (BGE) Sensor Development SubChapter, develops, characterizes, and optimizes electrochemical sensors for medical devices in the area of IVD diagnostics. The company is looking for a team-oriented, inquisitive, and self-reliant person to help deliver critical instruments to hospitals and testing laboratories.

The team focuses on measuring parameters of gases (O<sub>2</sub> & CO<sub>2</sub>), electrolytes (pH, Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>2+</sup> & Cl<sup>-</sup>), and metabolites (Glucose & Lactate) in whole blood, utilizing electrochemical, optical, and enzymatic measuring principles. The person in this role will be crucial in both developing new methods based on theoretical foundations and providing technical expertise to support series production and existing on-market products.

## Tasks & Responsibilities

- Address product care topics within the in-house Sensor Production, including handling production issues (deviations, root cause & risk analysis) and product care topics (customer complaint investigations, material, and design changes).
- Implement changes derived from fundamental principles, experimental data, and simulation models, and help integrate them into new and existing products.
- Independently plan, execute, evaluate results, and document work across development, product care, and operations support.
- Test and analyze sensor designs in the lab using various characterization methods (e.g., electrochemical analysis methods, IR, SEM, Rheometer, etc.).
- Work independently within a multidisciplinary team by planning projects/work packages, conducting investigations, and generating required data and documentation.
- Take responsibility for equipment and develop new tools, methods, and processes to evaluate sensors.
- Support the team with scientific expertise and practical knowledge to understand and solve technical questions arising in the development and production of complex electrochemical sensors and electrodes.
- Interact across the business with quality, operation, V&V, and business to support and coordinate design and material changes.

## BERATER



Kristof Wildmann  
+41 41 203 33 50

**Seniority Level**  
Mitarbeiter

**Berufskategorie**  
Elektro & Mechanik

**Stellenprozent**  
100%

**Jobtyp**  
Temporär

**Referenz-Nr.**  
KWI-EM-T-52518

**Jobregion**  
Rotkreuz



- Support sensor development activities in new development projects, depending on project needs and product care situation.

## **Must-Haves**

- Higher technical education (Master's from FH/University/ETH) in chemistry, physics, material science, (electrical) engineering, or a Bachelor's degree with more than 3 years of industry experience.
- Understanding of materials (glasses, metals, polymers, and other chemicals) and their interactions with sensors and biological samples.
- Interest and dedication to study, test, and improve electrochemical/optical (bio)sensors and learn to understand their behavior and associated material properties.
- Experience working in a highly regulated environment.
- Experience with the development of new characterization methods and their implementation in test methods, setups, or tools.
- Ability to acquire, process, and analyze data with appropriate tools (Matlab, Excel, MiniTab, R, Python).
- Experience in working in and contributing to multidisciplinary development from varied fields with diverse backgrounds.
- Ability to document results at a high technical level and actively report data, results, ideas, and achievements.
- Open, flexible, team-oriented personality who takes ownership.
- Fluent communication in English.

## **Nice-to-Haves**

- Experience in different electrochemical methods (potentiometry, impedance spectroscopy, etc.) as well as broader physical and chemical analysis.
- German language skills.
- First working experience in a manufacturing industry.

## **Benefits**

- Work with state-of-the-art tools on a modern campus featuring green spaces and an inspiring atmosphere.
- Experience a work culture that promotes diversity and inclusion, where everyone feels valued.
- Benefit from financial support for your professional development and further education.
- Take advantage of unbeatable, year-round discounts with renowned retailers, over 200 top brands, as well as fleet discounts on new car purchases and consistent fuel discounts.
- Become part of one of the most renowned pharmaceutical companies and actively help shape the future of healthcare.
- Enjoy a selection of high-quality meals in modern staff restaurants.
- Where applicable, benefit from on-site parking as part of a sustainable mobility concept.
- Start with professional onboarding and a thorough introduction to your new role during the Welcome Days.
- We offer you a long-term position and diverse development opportunities within the company.

Are you interested? Don't hesitate and submit your complete application documents online today. We look forward to hearing from you!

*Wir wertschätzen Vielfalt und begrüßen daher alle Bewerbungen - unabhängig von Geschlecht, sozialer Herkunft, Religion, Alter und Identität. Zur leichteren Lesbarkeit und besseren Verständlichkeit verwenden wir nur eine Gender-Form. Selbstverständlich sind im jeweiligen Kontext alle Genderformen gleichermassen gemeint.*



## **Unser Bewerbungsprozess**

