

## Junior Sensor Development Engineer BGE R&D 80-100% (m/f/d)



Temporär      Jobregion: Rotkreuz      Stellenprozent: 80 - 100%

### Beschreibung

For our international partner, Roche Diagnostics International Ltd. based in Rotkreuz, we are looking for a qualified and motivated **Junior Sensor Development Engineer BGE R&D** for one year with option for extension.

Our clients team «BGE Sensors & Electrodes» develops, characterizes and optimizes different electrochemical sensors for medical devices in the area of IVD diagnostics. In particular, they are interested in the 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.

To be able to deliver the desired instruments for hospitals and testing laboratories, they utilize electrochemical, optical and enzymatic measuring principles. They develop these methods for the analysis of whole blood by understanding the theoretical bases and use this to develop new sensors. Furthermore, they support the series production with technical expertise and address any issues with their existing products.

### Tasks

- You support the Sensor Development Team in various development activities, such as selecting, formulating and producing materials, physical and chemical characterization of these materials and the resulting sensors, testing and analyzing the sensors
- You support the handover of different material production processes to the Manufacturing Department; teaching the material production process to Operations, create and establish process documentation and help organize a smooth transfer of the R&D material production process to Manufacturing
- You independently plan, execute, evaluate experiments and document your work within the framework of the development processes
- You take responsibility for equipment and develop new tools, methods and processes to evaluate the sensor materials
- You support the team with your scientific expertise and practical knowledge to understand and solve various technical questions that arise in development and in production of our complex sensor materials
- You interact across the business with quality, operations and other departments to support and coordinate design specifications and material questions

### BERATER



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### Seniority Level

Mitarbeiter

### Berufskategorie

Elektro & Mechanik

### Stellenprozent

80 - 100%

### Jobtyp

Temporär

### Referenz-Nr.

DMI-EM-T-25909

### Jobregion

Rotkreuz

## Must Haves

- Apprenticeship as a chemistry lab assistant (“Chemielaborant”) or a similar education or you have a bachelor or master from FH/University/ETH) in chemistry / life sciences or a similar field
- First experience in a chemical laboratory environment - university exp. counts (formulation of solutions/membranes, general wet chemistry, analytical characterization of materials, etc.)
- Experience in physical and chemical analysis of materials and as a plus some experience in different electrochemical methods (potentiometry, impedance spectroscopy, etc)
- Very good written and oral skills in German and/or English
- Motivated to use and improve these skills in the laboratory
- Experience in working in and contributing to multidisciplinary development teams from varied fields with diverse backgrounds
- Experience with material characterization methods and can help to implement such methods in a chemical lab (including documentation and verification of those methods in a production environment)
- Able to document the results at a high technical level, you can actively report your data, results, ideas and achievements and you understand how to work in a highly regulated environment
- Open, flexible, team-oriented and take ownership

Are you interested? Do not hesitate and submit your complete application documents online today.

We value diversity and therefore welcome all applications - regardless of gender, social origin, religion/belief, age or identity.

We also process applications by post, but will not return them for administrative reasons. We look forward to hearing from you!