

# Job Opening



## Biology Laboratory Assistant/Junior Scientist (M/F/D)

### Overview

Electrochaea GmbH is a young and dynamic company with corporate offices in the USA, Denmark and Germany. In collaboration with our strategic partners and investors, we are developing a novel technology for generating renewable natural gas and for storing renewable electricity from wind or solar energy. The Company is commercializing this power-to-gas technology in markets with high penetration of wind and solar energy (Denmark, Sweden, Germany, Benelux countries, UK, California, etc.), where the intermittent nature of renewable energy sources leads to prolonged periods of excess electricity production. Favorable markets are also defined in terms of electricity prices, incentive schemes and existing infrastructure. The core of the technology is a proprietary microorganism, a methanogenic Archaea, which efficiently converts hydrogen and carbon dioxide into pipeline grade methane.

For our headquarters near Munich, we are looking for team members with a sense of responsibility and initiative who appreciate an innovative work environment and enjoy working in an international team.

To strengthen our R&D team, we are looking for a talented individual who is highly motivated to perform laboratory and pilot scale bioreactor as well as molecular biology experiments.

### Main Tasks and Activities

- Cultivation of anaerobic microorganisms in laboratory and pilot scale bioreactors, preparation of culture media and chemical solutions
- Set-up and monitoring of bioreactor experiments incl. gas analytics and other standard measurements
- Performance of molecular biology tasks such as DNA and RNA isolation, various PCR methods, handling of sequence data.
- Accurate reporting of experimental results, evaluation of data and preparation of experiment documentation
- Laboratory management including regular calibration and maintenance of lab equipment and bioreactors, material ordering, waste disposal
- Assistance in establishing and maintaining a strain collection and long-term preservation system

The successful applicant is expected to work closely with the other scientific and engineering personnel and will be willing to develop further skills and to take on additional responsibility for new tasks (e.g. assisting in the development of new assays and technology). The position is an essential element within our multi-disciplinary development team and helps to create a novel solution for the energy transition toward renewable energies and enables the reduction of greenhouse gas emissions.

**Qualifications**

- Professional education as a technical assistant or higher equivalent qualification (B.Sc., M.Sc./Diploma), ideally with a background in industrial biotechnology, microbiology or biochemistry
- Job experience is a plus, but not mandatory for this position.
- Experience with good laboratory practice, record keeping, laboratory protocol writing, and timely reporting required
- Experience in anaerobic and reactor-scale cultivation is a plus

The successful applicant will become a member of an interdisciplinary, international environment and is expected to show a high degree of organization and reliability.

**Minimum requirements for the position will include:**

- Fluency in written and spoken English
- Basic computer skills including Excel, Word, Powerpoint and ability to manage online data entry and access
- Good practical knowledge of work and safety regulations

**Additional details and requirements:**

- Salary will be commensurate with experience and capability
- Letter of application/intent
- CV
- Please send your application to [jobs@electrochaea.com](mailto:jobs@electrochaea.com)

All interested candidates irrespective of age, gender, disability, race, religion or ethnic background are encouraged to apply.