

## PhD-position offered

The Institute of Environmental Biotechnology at the Dept. IFA-Tulln, University of Natural Resources and Life Sciences, Vienna is looking for highly qualified candidates with **master's** degrees to apply for a **PhD position**.

**The project:** BESTECH "Bio-Electric Syngas Technology For The Production Of Biomass Derived Biofuels And Platform Chemicals".

The overall aim of BESTECH is the development of an electrically enhanced bioconversion process to establish a biochemical and biofuel platform utilizing gasified biomass (syngas, biogas). The focus is on the optimized biotransformation of gaseous substrates in a first step into acetate/methane and subsequently into higher value added products/fuels. For this purpose improved gas fermenters, optimized electrode designs as well as selection of best suitable microbial production strains will be conducted.



**Application requirements:** Applicants must hold a **master's** degree in a relevant field of study such biotechnology, microbiology, bioengineering.

Relevant lab experience in particular with microbial cultivation of (anaerobic) microorganisms and fermentation techniques is a prerequisite. Additional expertise in handling of electro-active microorganisms or gas-fermentation is highly acknowledged.

**Payment:** PhD salaries follow the regulation set out by the FWF (Austrian Science Fund) for Doctoral candidates, 30 h /week.

<https://www.fwf.ac.at/en/research-funding/personnel-costs/>

**Period/Duration:** Starting at the beginning of April 2020 for 3 years

**Place of Work:** IFA-Tulln, Inst. of Environmental Biotechnology, Konrad Lorenz Strasse 20, 3430 Tulln, Austria

The application deadline is **January 31, 2020**

Contact persons:

A.o. Univ. Prof. DI Dr. Werner FUCHS

Tel: +43 1 47654 -97423

E-mail: [werner.fuchs@boku.ac.at](mailto:werner.fuchs@boku.ac.at)

Dr. Lydia RACHBAUER

Tel: +43 5 02378-9429

E-mail: [lydia.rachbauer@best-research.eu](mailto:lydia.rachbauer@best-research.eu)

