Technische Universität Berlin offers an open position:

**Research Assistant - salary grade 13 TV-L Berliner Hochschulen**
under the reserve that funds are granted - part-time employment may be possible

**Faculty III - Institute of Biotechnology / Bioprocess Engineering**

*Reference number:* III-901/19 (starting at the earliest possible / until 31 December 2022 / closing date for applications 23/02/20)

**Working field:** As part of a joint project, the phases of the biogas process are separated in two coupled laboratory reactors. This approach can contribute to the flexibilisation of the biogas and thus providing electricity and heat in dependence with the demand. Furthermore, the conditions in the reactors can be optimally adapted to the microorganisms in the respective phase, which should increase the overall biogas yield.

- Design of bioreactor experiments
- Investigation of the process conditions in both stirred tank reactors regarding pH, acid formation, gas formation rate and content, substrate conversion rate etc.
- Physiological investigation of the microbial consortium
- Implementation of measure and control techniques for the differentiation of phases in the stirred tank reactors

**Requirements:**
- Successfully completed university degree (Master, Diplom or equivalent) in the field of biotechnology or process engineering with the focus on microbiology and engineering
- Proven good knowledge in bioprocess engineering related to anaerobic bioreactor cultivations, in microbial metabolic pathways, in basic analytical methods for the determination of primary and secondary metabolite concentrations, in the design of experiments and the presentation of scientific results
- Good language skills in English and German
- With the willingness to actively participate in scientific events
- Ideally with experience in program designs for process control and device integration (LabView, Origin, Matlab)

Please send your application with the **reference number** and the usual documents (a meaningful cover letter with curriculum vitae and proof of professional qualification, certificates, attestations, etc.) to **Technische Universität Berlin - Der Präsident - Fakultät III, Institut für Biotechnologie, FG Bioverfahrenstechnik, Prof. Dr. Peter Neubauer, Dr.-Ing. Stefan Junne, Dr. Anja Lemoine, Sekr. ACK24, Ackerstraße 76, 13355 Berlin** or by e-mail to peter.neubauer@tu-berlin.de, stefan.junne@tu-berlin.de and a.lemoine@tu-berlin.de.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities.

Please send copies only. Original documents will not be returned.

The vacancy is also available on the internet at http://www.personalabteilung.tu-berlin.de/menue/jobs/