The Leibniz Institute for Agriculture and Bioeconomy (ATB) as a nationally and internationally acting institute is researching at the interface of biological and technical systems. ATB’s research aims to create foundations for sustainable bio-economic production systems. We develop and integrate new technologies and management strategies for a knowledge-based, site-specific production of biomass, and its use for food, as bio-based materials and fuels - from basic research to application.

For the EU-Projekt PERCAL (Chemical building blocks from versatile MSW biorefinery) we are seeking a

**Senior Scientist/PostDoc or Research Associate with the possibility of gaining a doctoral degree (100 %)**

The present project aims to use the organic fraction of municipal solid waste (MSW) as raw material for the lactic acid fermentation. Suitable lactic acid producing microorganisms need to be selected and subsequently tested in order to establish a stable fermentation process. In a next step the process should be optimized from lab up to pilot scale.

**Your responsibilities**

- Planning, performance and evaluation of fermentation experiments on a laboratory up to pilot scale
- Internal team support for the technical and methodical guidance of the technical staff
- Internal coordination and management of the project (cooperation with partners, administrative control, project documentation) as well as support for other ongoing or in preparation projects
- Compile reports and publications as well as presentation of results at national & international conferences
- Interdisciplinary cooperation within and outside the ATB

**Our expectations**

- Completed scientific-technical studies, ideally with a focus on biotechnology/bioprocess engineering, chemical engineering or similar
- Profound knowledge in proper handling of laboratory and fermentation equipment for the cultivation of microorganisms
- Experience in pre-treatment and hydrolysis of lignocellulosic biomass and residues
- Know-how in the field of statistical experimental design and ideally process modeling
- First experiences in the acquisition of third-party funds as well as in project work and sub-project management desirable
- Profound English skills, both orally and in writing
- Ability to work independently, personal commitment, reliability, flexibility, team skills, willingness to cooperate

**We offer**

- An excellently equipped laboratory and technical center with bioreactors of 1-1000 liters including process-accompanying analytics and corresponding peripherals for carrying out continuous fermentation processes
- The integration into an interdisciplinary team in an attractive working environment
- Support by a qualified programmer
- Family-friendly working conditions that foster the compatibility of work and family life

The salary will depend on qualification and experience and can reach up to E13 TV-L (German public service scheme). The position is limited until 30.06.2020 with respect to the project duration. The place of work is Potsdam.
For further information please contact Dr. Joachim Venus (Tel.: 0331/5699-852, E-Mail: jvenus@atb-potsdam.de) and visit our website www.atb-potsdam.de.

If you would like to participate in our interdisciplinary research, please apply until 20 February 2018 by e-mail (if possible one PDF document) quoting the reference number 2018-1-2 under karriere@atb-potsdam.de.

Equality of opportunity is part of our personnel policy. Disabled applicants with adequate qualification will be preferentially considered.

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