The Centre for Biotechnology (CeBiTec) offers a full-time
research position (postdoc)
starting on September 1, 2019
(E13 TV-L, non-permanent position)

Your Tasks
The CeBiTec offers a postdoctoral vacancy for the research project “Knowledge-based Biotechnology – Development of
intelligent screening methods for an enhanced xanthan biosynthesis” starting on September 1, 2019.
We aim to optimize the production of Xanthan in quantity as in quality. In order to reach this goal a genomebased systems
biology approach is needed. A special focus of this project will be given to screening approaches. In parallel a suitable tool box
for the analysis of xanthan biosynthesis of single cell or colonies should be established, e.g. biomarkers, reporter systems,
omics-analysis and analytical methods with regard to their ability to produce xanthan. The work will be carried out by a
research group consisting of a group leader, a technical assistant and two PhD students. The work will be divided in practical
work, especially:
- planning and conduct of wet-lab experiments (50 %)
- bioinformatic data analysis (30 %)
- supervision of PhD students and laboratory assistant (10 %)
- administration (10 %)

The Centre for Biotechnology (CeBiTec) at Bielefeld University offers an infrastructure, which comprises of state-of-the-art
instrumentation, bioinformatics plus long-standing experience in wet lab techniques and mathematical modelling, for intensive
training in this field of high technology.

Your Profile
We expect
- scientific degree in molecular biology, biotechnology, life science or in related fields
- PhD degree with a background in molecular biological/biotechnology
- scientific publications
- solid background in molecular biology and experience in molecular cell biology genetics and ‘omics’-technologies of
  microorganisms
- knowledge in genetic methods of microorganisms
- good communication skills in German and English
- creativity, a strong ability for problem solving through analytical thinking combined with an enthusiasm for scientific
  research

Preferable qualifications
- experiences in genetical engineering of microorganisms, the development of enzyme assays, high-performance liquid
  chromatography, fermentation of microorganisms
- knowledge in metabolite purification and identification
- ability to lead a research group

Remuneration
Salary will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L).
As stipulated in § 2 (1) sentences 2 WissZeitVG (fixed-term employment) the contract will on December 31, 2020. In
accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of
contract may differ in individual cases. The employment is designed to encourage further academic qualification. In principle,
these full-time position may be changed into a part-time position, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to equal opportunities and the career development of its employees. It offers
attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of
health, counselling, and prevention programmes. Bielefeld University places great importance on a work-family balance for all
its employees.

Application Procedure
For full consideration, your application should be received via either post (see postal address below) or email (a single PDF)
document sent to vera@cebitec.uni-bielefeld.de by the 1st of August 2019. Please mark your application with the identification
code: wiss19129. Please do not use application portfolios and send only photocopies of original documents because all
application materials will be destroyed at the end of the selection procedure. Further information on Bielefeld University can be
found in a document available at www.uni-bielefeld.de. Please note that the possibility of privacy breaches and unauthorized access
by third parties cannot be excluded when communicating via unencrypted e-mail. Information on the processing of personal

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Bielefeld University has received a number of awards for its achievements as an equal-opportunity employer and has been recognized as a family-friendly university. The university welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in information technology as well as the skilled crafts and trades. Applications are handled according to the provisions of the state statues on equal opportunity. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.