

## Advertisement: Professor of Bio-Process Engineering

The Institute of Applied Microbiology (IAM) / Department of Biotechnology (DBT) at the University of Natural Resources and Applied Life Sciences, Vienna is highly interested to attract a high calibre individual to a full Professorship position in Bio-Process Engineering. The DBT within the Vienna Institute of Biotechnology (VIBT), located at the Muthgasse site has been recognised for many years as a world leading centre in biotechnological research and education. The combination of fundamental science and engineering principles has created an outstanding potential for problem solving capabilities that has been established in the key areas of the bioindustrial value chain.

In order to stay at these frontiers of cutting edge technologies in bio-process engineering the position requires an individual with integrative skills as well as balanced interdisciplinary qualifications and experience in academia and industry. The University is therefore seeking applications from potential candidates that have excellent competencies in engineering science in combination with a profound and comprehensive understanding of biological systems. The person appointed will be aiming to sustain and further develop a knowledge based approach to the optimization of production organisms and process design expertise in computational biology. They will wish to place particular emphasis on mathematical modelling and the elucidation and control of cellular pathways as a means for rational design, metabolic engineering and the prediction of complex variables as a prerequisite for success. Indeed, due to the existing strength of the DBT in molecular biology, cell biology, bioinformatics, up- and downstream processing there are excellent opportunities for internal as well as external collaborations. Moreover, as established in the past, a broad spectrum of state of the art methods for molecular/biochemical analyses of cell systems (-omics) as well as the appropriate equipment for bio-processing are already in place.

Also, in accordance with the tradition and the future mission of the DBT for transferring knowledge into real world processes, the candidate should be committed to industrial collaborations and partnerships as well as integrate in to the Austrian Center for Industrial Biopharmaceuticals.

### **Requirements:**

The Candidate should possess topmost leadership potential with a world recognisable quality of science demonstrated by recognition of their work publications and citations. They will

have proven management capabilities and experience and flair in teaching undergraduate, graduate and postgraduate students (German desirable but English essential).

Teaching:

- Basics in bioprocess engineering for bachelors in Food Science and Biotechnology
- Implementation of a new module focussed on bioprocess engineering for the master program in Biotechnology (metabolic engineering, flux analysis, simulation of fermentation processes)
- Integration into the existing courses bioprocess engineering and systems biology (master studies biotechnology)
- Supervision of BSc, MSc and PhD theses
- Active contribution to the ongoing restructuring process of course programs in the area of biotechnology

If you feel you can meet these requirements and fulfil the challenge in leading a world class group in bio-process engineering at our facilities in Vienna please submit an application as detailed below.

Please send your application in English and include:

- Your CV and a detailed description of your focus in research and teaching and plans for potential funding strategies
- List of publications, presentations and projects
- Copies of the most relevant five recent publications
- Short plan for research and teaching

Applications (six copies) should be sent to the Rectorate of the University of Natural Resources and Applied Life Sciences Vienna, Peter Jordan-Straße 70, A-1190 Wien, Austria no later than the 30<sup>th</sup> of September, 2010 (date of postmark).

Applications from female candidates are explicitly welcome. In cases of equal qualification, aptitude and expertise of the applicants, female applicants will be given preferential treatment for those salary groups and careers in which females are underrepresented, unless there are preponderant reasons to give preference to another applicant.

For detailed information, please visit the following webpages:

<http://www.boku.ac.at/professuren-ausschreibungen.html>

[www.boku.ac.at/iam](http://www.boku.ac.at/iam)

The Rector  
Univ.-Prof. DI Dr. Martin GERZABEK  
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