

You want to work
in a **university**
environment?

But you also want to
know how to work
with **industry**?



Don't worry!
acib is the
perfect choice
for both!



PhD position

Applied fungal microbiology

Vienna / Austria for 30 hours a week

That's the project

Citric acid is microbially produced in industry by *Aspergillus niger*. The molecular mechanisms of the citric acid production in *Aspergillus niger* are not fully elucidated and are seen as limiting factors. Transport processes play an essential role and understanding the regulation of those processes could help to improve the citric acid production. In this project, acib will work on genetic and metabolic engineering tools to enable a deeper understanding of the mechanisms behind the process.

The project offers you:

- 🌱 CRISPR/Cas9-mediated gene editing of filamentous fungi
- 🌱 Metabolic engineering
- 🌱 Investigation of fungal metabolism and physiology

That could be your future me

You are part of a highly interacting interdisciplinary project team, you are at the front of synthetic biology research with an industrially used microorganism and you work in collaboration with an international industrial partner. Additional you start to build up your scientific network in an international team of researchers.

Further benefits: numerous possibilities for further education and personal development, flexible working hours, helpful work environment full of team spirit and enthusiasm for your job

That's important to us

- 🌱 **Master's degree** or equivalent in **biotechnology, microbiology, applied genetics, molecular biology, biochemical engineering**, biochemistry, or similar study
- 🌱 Strong practical experience in molecular biology is desired. Practical experience with filamentous fungi is advantageous. Scientific interest in synthetic biology and metabolic engineering is desired.
- 🌱 Experience in **bioanalytical techniques** such as HPLC is advantageous
- 🌱 **Excellent skills** in spoken and written **English**, an **organized approach** with strong attention to detail and good communication skills with **ability to work well in teams**.

You should enjoy the work in an international interdisciplinary environment.

That's what you should know

It is intended to offer a minimum yearly gross payment of EUR 30,800.

Starting date May/June 2020

Research group: Prof. Michael Sauer at the BOKU in Vienna

And now it's your turn! Give us an idea of who you are.

Get in touch here: application.acib.at | Application deadline: **31st March 2020** | Ref.no: **08_2020**

Please submit: detailed CV, letter of motivation, publication list, university degree documents, contact details of up to 3 referees.

Of course, we welcome applicants of all sexes (m/w/x), backgrounds and ages.

INNOVATIONS FROM NATURE

 www.acib.at

acib (The Austrian Centre of Industrial Biotechnology) is one of the leading research centres in the field of industrial biotechnology. acib is dedicated to joint research at the industrial-academic interface. Seven Austrian Universities and more than 50 leading industry partners are working together within the acib research programme.