

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 in yeast synthetic biology for The production of proteins with unnatural amino acids in *Pichia pastoris* in Vienna / Austria for 30 hours a week

### That's the project

Unnatural amino acids contain side chains with extraordinary chemical and/or structural properties that are unavailable from the standard amino acids. This makes them particularly attractive as building blocks for synthetic proteins and bioactive compounds. We intend to genetically encode unnatural amino acid with a reactive side chain in the methylotrophic yeast *Pichia pastoris*. This yeast combines easy genetic manipulation and inexpensive growth media with the ability to express and secrete into the medium recombinant proteins with complex post-translational modifications. The project intends to advance this exciting host organism to the next level of recombinant protein production.

### That's what we offer

You are working in the inspiring environment of an independent research group eager to exploit emerging new technologies for innovative biotechnological applications. You have numerous possibilities for further education and personal development. You expand your expertise and bridge your science to industry.

**And not to forget:** You make your research visible and broaden your network!

### That's important to us

- 🌱 You have completed a **Master's degree or Diploma** from a recognized University in **Biotechnology, Biochemistry, Chemistry or related fields**.
- 🌱 You have **very good background knowledge** and **hands-on experience** of **standard microbiological techniques** and **protein biotechnology**.
- 🌱 You have **worked with yeasts** in the lab before? This is a big plus!
- 🌱 **Interest** in **direct genetic encoding of unnatural amino acids** in the yeast *Pichia pastoris* is **essential**.
- 🌱 You are **enthusiastic to reach ambitious goals**, to **learn new techniques** and to **present your results in oral and written form**.
- 🌱 You are curious to work in an **interdisciplinary team** of **academic and industrial partners**.

### That's what you should know

- 🌱 minimum yearly gross payment of EUR 31,300 (PhD 30 h/week)
- 🌱 The PhD will be awarded by the University of Natural Resources and Life Sciences, Vienna.
- 🌱 Start: **1<sup>st</sup> of October 2021**

Find out more about why acib is the right choice for you: [www.acib.at/career](http://www.acib.at/career)

### Are you interested? Apply and give us an idea of who you are.

Apply here: <https://mycareer.acib.at> | Ref.no: 11\_2021

Application deadline: **5<sup>th</sup> of September 2021**

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