

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!



Doctoral Candidate

Chemoenzymatic selective oxidation for the synthesis of rare sugars (ESR 12) in Graz (AT) and Straubing (DE)

That's the PhD research will focus on

- (i) Optimization of the reaction conditions for chemoenzymatic synthesis of renewable chemicals;
- (ii) Development of chemoenzymatic tandem catalysts for the in-situ regeneration of redox cofactors;
- (iii) Development of methods for the coupling of chemical catalysts to biocatalysts;
- (iv) Biochemical characterization of the tandem catalysts;
- (v) Evaluation of the chemoenzymatic synthesis in terms of productivity and sustainability

Your PhD degree will be awarded based on successful completion of the research work from Graduate School Science & Technology at Graz University of Technology. You will also be required to participate in the training events and workshops organized by the ITN-EID. As a Marie Skłodowska-Curie Actions (MSCA) fellow, you are also expected to contribute your time in the dissemination of your PhD project's result through public engagement and other scientific platforms.

The first half of your PhD research (18 months) will be carried out at the company CASCAT GmbH (Germany) under the supervision of CEO André Pick. The second half of the PhD work (18 months) will be at acib GmbH (Graz) under the supervision of Prof. Dr. Robert Kourist.

That's important to us

- An outstanding M.Sc. degree in Biotechnology, Chemistry, Biochemistry or a related discipline
- eligible as a graduate student at Graz University, Austria
- Research experience in molecular biology, structural biology, biocatalysis or related
- Experience in analytical methods (HPLC, GC, MS, etc.)
- Ability to work in an international team
- Inter- and multidisciplinary thinking
- High motivation
- An integrative and cooperative personality with excellent communication and social skills
- Fluency in English – written and oral

Please note: At the time of recruitment, the applicant must not have resided (or carried out his/her main activity e.g. work, studies, etc.) in Austria, for more than 12 months in the last three years immediately prior to the reference recruitment date.

That's what you should know

It is intended to offer a minimum yearly gross payment of EUR 31,700.

According to the ITN rules a Mobility and, if eligible, Family Allowance are scheduled in addition.

Please find further information about the acib on our website: www.acib.at

And now the stage is yours! Give us an idea about you.

Get in touch here: application.acib.at | Ref.no: **10_2019**

Application deadline: **01st of March 2020** (or as soon as suitable candidates have been identified)

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

To apply for the position, kindly provide: a **letter of motivation** including a one-page statement of your research interests, relevant skills and experience, a **CV** including **publication list** and names and contact details of **three referees** willing to write confidential letters of recommendation

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.