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 program.

ACIB offers in Graz a

**PhD Position in EU-Project**

**CARBAFIN – Carbohydrate based fine chemicals**

Working group **Prof. Bernd Nidetzky and Christiane Luley**

Position for **three years, Starting with 1.1.2018**

**Project description**

CARBAFIN will develop, based on an **integrated biocatalytic production technology**, a radically new value chain for **glucoside products**. The glucoside products of CARBAFIN have large-scale uses in nutrition and feed, cosmetics and detergents. Leading platform technologies in **biocatalytic cell factories and downstream processing**, conjointly optimized in CARBAFIN for performance efficiency and cost-effectiveness are key to make industrial production of glycosides competitive in today's markets. In addition, CARBAFIN contributes to the establishment of new, fully renewables-based value chains across the European industries, **linking the sugar industry to the cosmetics, chemicals, polymer and detergents sectors**.

You will be part of a highly motivated team and be involved in an **EU-project involving eight partners** (also industrial partners) from four countries.

**Your tasks in the project**

Process engineering, reactor design, downstream processing (membrane filtration), continuous process design

**Your profile**

The ideal applicant has a **master's degree in biotechnology, biochemistry/molecular biology** or similar with experience in **process engineering for enzymatic and whole cell conversions**. Experience with **membrane filtration** is a plus. Accurateness in experimental work, interest in bioprocess engineering and technical challenges, and strong skills in written and spoken English are expected, as is the ambition to summarize results in scientific publications. The applicant is expected to be able to organize him/herself, plan experiments and work independently but also to feel comfortable as part of a team.

We are looking forward to receiving your application comprising a motivation letter, your CV with details on your scientific experience and certificates. Please send the application in one .pdf to **jobs@acib.at**

ACIB is dedicated to a well balanced gender ratio. Therefore this job advertisement addresses qualified male and female persons equally. ACIB is not part of any collective agreement under Austrian law. It is intended to offer a minimum yearly gross payment of EUR 30,000,- for the PhD-Position advertised. Payment is depending on qualification and professional experiences.