



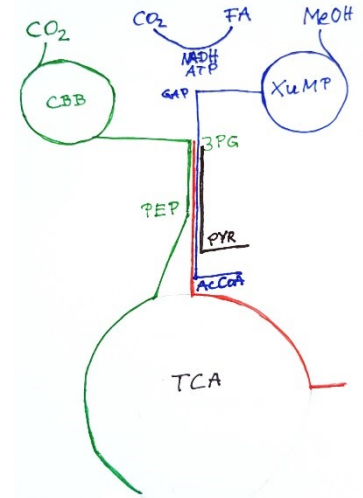
Post Doc Position on Metabolic Engineering of *Pichia pastoris* for the Valorisation of CO₂ to Chemicals

Research field

Yeasts are valuable chassis organisms for synthetic biology applications towards sustainable production of biobased chemicals. A special interest is focused on methylotrophic yeasts for the conversion of single carbon substrates such as methanol, formate and CO₂.

Within the EU-funded project VIVALDI (Innovative bio-based chains for CO₂ valorisation as added-value organic acids) that is dedicated to the valorisation of industrial CO₂ emissions for fighting climate change and adopting circular economy, we are focusing on designing novel yeast strains that can convert a mix of C1-substrates to organic acids.

Research will take place in the group “Metabolic and Cell Engineering” at the Institute of Microbiology and Microbial Biotechnology at the University of Natural Resources and Life Sciences Vienna (BOKU) <https://boku.ac.at/dbt/immb/research-groups/mattanovich-lab-metabolic-and-cell-engineering>



Requirements

- ❖ Completed Master and PhD degree (or equivalent) in biotechnology, biochemical engineering, molecular biology, genetics, biochemistry, or similar study.
- ❖ Strong background in synthetic biology, microbial metabolism, metabolic engineering incl. related disciplines.
- ❖ Strong practical experience in molecular biology, metabolic engineering and/or synthetic biology requested, and scientific interest in metabolic modelling and bioreactor cultivation desired.
- ❖ 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.

Application deadline: 2.4.2021

Start: June-July 2021

Please apply by email to birgit.marckhgott@boku.ac.at with a **single PDF file**

containing: Reference No: **#02_2021**,

a detailed CV and publication list, a motivation letter, copies of university degree documents, contact information (phone number and email) and contact details of up to 3 academic referees

Contact: Prof. Dr. Diethard MATTANOVICH