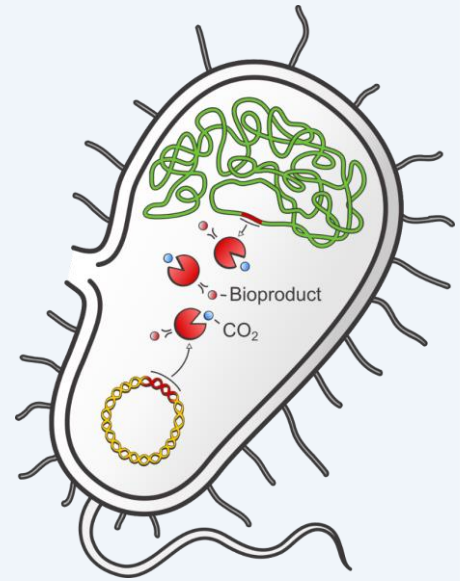


We engineer microbes to produce sustainable products directly from CO₂

Acetogens naturally ferment CO₂ and derived 1-carbon compounds into acetate. These microbes could be used to produce sustainable fuels and chemicals through metabolic and bioprocess engineering. In particular, modifying acetogen genomes is needed to redirect carbon fluxes from acetate to other value-added products.

In this context, our research group at TU Vienna is offering an internship in microbial genetic engineering.



What you will learn

- **Microbiology:** Work with gas-fermenting, strictly anaerobic bacteria
- **Metabolic engineering:** Develop a CRISPR tool to modify the genome of an industrially-relevant acetogen

Who we are looking for

- Background in biotechnology, molecular biology, biochemistry or comparable
- Interested in anaerobic cultivations, molecular biology and microbial genetics
- Open-minded and eager to learn new methodology and techniques
- High degree of independence, commitment and reliability
- Proficient English communication skills

Working at TU Wien

- Start: expected in Spring 2023 (flexible) – 6 month minimum
- Compensation of € 300/month, supervision by PhD students and Postdoc
- Integration in the Industrial Biotechnology group at TU Wien

