



Job Title: Metabolic Engineer (m/f/d)

Microbial CO2 Transformation Specialist

About Us:

Join the COLIPIan family as a Metabolic Engineer and be at the forefront of developing the world's potentially fastest biological CO₂ transformation bioprocess. COLIPI is dedicated to **Fermenting Renewable Carbon For Generational Life Quality**, utilizing microbial CO₂ transformation to produce valuable biomaterials and contribute to the intensifying fight against global warming.

Key Responsibilities:

- Identify, design, and optimize metabolic pathways for bacterial CO₂ transformation into valuable microbial storage molecules.
- Evaluate and execute strategies to modify and enhance routes for target molecule production from CO₂ in our innovative patented bioreactors.
- Lead a team of experts (Genetic Engineer, Biological Technical Assistant) to develop genetic tools for accessing COLIPI's CO₂-utilizing bacterial strains.
- Plan and analyze experiments in genetical/metabolic engineering, ensuring efficient and sustainable processes.
- Prepare detailed technical reports and presentations to communicate findings both internally and externally.

Qualifications:

- Advanced degree in Metabolic Engineering, Synthetic Biology, Biochemistry, or related field (PhD with industry and academic experience in Metabolic Engineering).
- Familiarity with (gas) fermentation processes.
- Strong background in molecular biology, genetic engineering, and synthetic biology techniques (e.g., Knock-Out/Overexpression, directed evolution, plasmid-based engineering, CRISPR/CAS9).
- Experience with sequencing technologies and proficiency in analyzing omics datasets using bioinformatics tools.
- Knowledge of autotrophic metabolism, carbon fixation pathways, and central carbon metabolism.
- Capable of forming and leading a scientific team
- Legal permit to work in Europe
- Willingness to deal with startup "chaos" and shape scalable processes for future rapid growth

We Offer:

- Be part of an international team, blending academia with passionate startup vibes.
- Work on groundbreaking climate action technology with Europe's leading microbial carbon capture experts.
- Embrace an open feedback culture, flat hierarchies, and short decision-making processes.
- Opportunity to grow into a key leadership position in a future-proof company.
- Access a fully equipped lab, cutting-edge technology, and ample room for personal development.
- Participation in international congresses and advanced training programs.

Location: Hamburg, Germany

- Enjoy the vibrant atmosphere of the 2nd biggest city and 1st ranked city to live in Germany.
- Experience unique maritime charm and a blazing nightlife.
- Immerse yourself in a city rich in cultural events, museums, and galleries.

If you are passionate about leveraging biology to tackle climate challenges and want to be part of a dynamic team shaping the future, apply now to contribute to our mission at COLIPI.

A meaningful application will include your

- CV as PDF (no portrait photo needed)
- Transcript of records (university)
- Peer reviewed publications you contributed to
- Success stories in academia and industry

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