b.fab GmbH is a young dynamic biotechnology startup specialized in the conversion of one carbon feedstocks into bioproducts. We combine electrochemical conversion with synthetic biology and bioprocesses. Starting with the feedstock formate or methanol (produced from CO_2, water and renewable electricity), we design specific pathways to convert formate and CO_2 into value-added chemicals. b.fab provides an economical and sustainable way to produce value-added chemicals for various industries. Due to the expansion of our **R&D team at our site in Cologne (Germany)**, we are looking for a highly motivated and engaged student for:

Master´s thesis/internship in metabolic engineering

for molecular biologist or biochemist (m/f/d)

Start Date:
Aug. – Oct. 2024

Thesis Content:

- Establishment of a unique methanol assimilation pathway
- Development of bioproduction pathways for value-added chemicals
- Engineering and evolution of microbes
- Strain characterization and optimization
- Application of high-throughput technologies and lab automation

Your Profile:

- Studies in molecular biology, biochemistry or similar field
- Experience in classical and modern cloning techniques
- Work experience in microbial transformation, cultivation and characterization
- Knowledge of microbial metabolism and physiology
- Skills in data processing and programming (esp. Python) are beneficial
- High degree of self-motivation, independency and proactive attitude is important
- Excellent communication skills

Our Offer:

- Chance to create and design a game changing technology
- Meaningful and inspiring work environment in a tech startup
- Coworking and supervision by industry leading engineers and biotechnologist
- Exciting opportunity for personal and professional development
- Flexible working and self-organization opportunity
- Work and life in one of the most exciting cities in Germany (Cologne)

Are you interested?

Then please send your meaningful application and earliest start date by email to: **hr@bfab.bio**

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