



EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN



CSC-Tübingen PhD Scholarship Program

2025/2026 application round: prospective PhD positions at the University of Tübingen

Faculty:	Science
Institute / Section / Subject:	Geosciences
Supervising Professor(s):	Prof. Dr. ir. Largus T. Angenent
About the Supervisor(s):	Environmental Biotechnology, Anaerobic Microbiology, Syngas Fermentation, Microbial Chain Elongation, Power-to-Gas, Power-to-Protein, Power-to-Food, Bioelectrochemistry. I am interested in microbial conversions from waste materials, such as off-gas wastes, into useful products: www.envbiotech.de
Specification/Project title:	The focus area in the laboratory is broad and includes genetic modifications to bioprocess engineering. The work and the lab are interdisciplinary. The specific project has the title: Genetic Modification of Yeast to Produce Vitamins.
Topic Description:	PhD students combine the operation of bioreactors with microbiology techniques, such as 'omic techniques and genetic modifications. The lab is working on a two-stage power-to-food project for which CO ₂ is converted into protein-rich biomass by bioprocessing. But besides protein, it is important to enrich the biomass with vitamins for a nutritious diet. For certain vitamins, this can be achieved by genetic modification of yeast.
Type of PhD Study:	Full-time
Intended Degree:	PhD in Geosciences or PhD in Biology
Required Degrees and Qualifications:	MS in Engineering, Biotechnology, Biochemistry, or Microbiology (one of these four areas or related areas)
Language Requirements:	Interview via Zoom and TOEFL score
Notes:	You can contact me in person first to discuss specific projects.