

Institut für Technische Mikrobiologie
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gescher-lab.de



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Projectwork at the Technical Microbiology Department (TMI V-07) of the TUHH

Establishing an automated liquid handling station and a colony picking robot

We are offering two project works (one month each, full time or equivalent part time) to provide the opportunity to set up and operate a fully automated liquid handling station and a picking robot. Both projects require a high level of initiative, but also offer the opportunity to work independently.

Main Objectives Liquid Handling Station:

- Set up a liquid handling station (Freedom Evo, TECAN) with a pipetting scheme
 - Demonstrate that reliable pipetting of a Vogues-Proskauer test works
- Write a manual for the routine operation of the liquid handling station (SOP)

Main objectives Colony picking robot:

- Set up the colony picking robot
- Write and test a script for fully automated picking and patching of colonies from agar plates into 96-well plates with subsequent growth on LB
 - Write a manual for the routine operation of the picking robot (SOP)

If you are interested in one of the topics, please contact Lukas Kneuer (lukas.kneuer@tuhh.de) with a brief description of your background, your preferred starting date and the hours/week you are comfortable to work.