



Chair of Bioprocess Engineering

Synthetic biology applied to production of the Methionine Analogon HMTB

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Motivation Two-stage process for the production of HMTB





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State of project







Possible research topics for students

Enzyme engineering

Molecular biology including cloning/plasmid construction, targeted and random mutagenesis, enzyme assays, development of high throughput enzymatic assays

Strain engineering

- Metabolic engineering:
- from conceptual planning to actual strain construction using molecular biology
- Strain characterization/Fermentation
- ¹³C metabolic flux analyses using mass spectrometry, optimization of fermentation processes

All topics are suitable for Internships/Bachelor/Master/Diploma projects





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