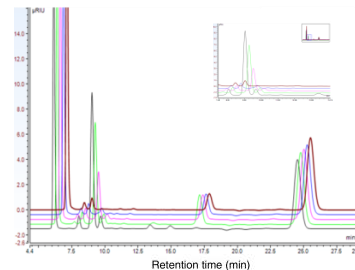


MASTER THESIS

„Generation of high-purity archaeal lipids“



The Goal



- Archaeal lipids are extremely resilient towards harsh environmental conditions
- These lipids are in high demand for pharmaceutical applications in drug delivery
- For quality control it is essential to have highly pure lipid fractions that serve as analytical standards
- By combining selective pretreatment methods with preparative chromatography, pure lipid fractions are to be generated, quantified and prepared as standards for the use in Mass spectrometry

We Want You!



- Chemistry, Analytics, Biotechnology or similar background
- Interest in developing a purification process for lipids in preparative scale
- Interest in analytics (Mass spectrometry)
- Motivated Master student
- Independent and structured person
- Team player

**Master thesis for
6 months starting
in JULY 2021**

We Offer



- Be part of one of the world's leading groups working with lipids
- New state of the art equipment as used in industry
- Try out your own ideas
- Get an insight in lipid production processes
- Work in an interdisciplinary team at the interface of bio-process engineering and analytical chemistry
- Present your results at meetings or conferences
- Granted Scholarship



NovoArc

david.wurm@tuwien.ac.at

Apply here



MASTER THESIS – BIOPROCESS ENGINEERING

„Forget Injections – Just Take a Pill“



Our Vision



- Getting an injection is a very unpleasant experience
- We are working on a biotechnological production process
- Our technology allows oral delivery of drugs which currently have to be administered via injections
- This technology has been successfully tested for vaccination, treatment of diabetes, cancer, etc.
- After upscaling we will potentially commercialize our product

We develop a bioprocess to replace 20% of all injections by pills

We Want You!



- Biotechnology, Chemistry, Process Engineering or similar background
- Interest in bioreactor cultivations and/or
- Interest in purification of a highly relevant product for pharma industry
- Motivated Master student
- Independent and structured
- Team player

Master thesis for 6 months starting in Q2 2021

We Offer



- Applied research – no basic science
- State of the art equipment as used in industry
- We teach you how to perform bioreactor cultivations and how to purify the product
- Try out your own ideas
- Present your results at meetings or conferences
- Granted Scholarship

Be part of a motivated young team with entrepreneurial spirit



NovoArc

More information



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