



Microbial Biotechnology

MB8.0

Monday November 28th, 2022

O2 Auditorium

De Boelelaan 1108, 1081 HZ Amsterdam

9:45 - 10:15 *Registration and coffee*

10:15 - 10:25 Introduction

10:25 - 10:55 **Invited lecture: Alex van Belkum** - CSO, BASECLEAR:
Innovative tools for detection of infection and antibiotic resistance.

10:55 - 11:15 **Maria Martin Pascual** - Wageningen University and Research:
From sugar to spice: Production of curcuminoids in *Pseudomonas putida*.

11:15 - 11:35 **Rianne Prins** - University of Groningen:
Antimicrobial resistance peptides: how a killer yeast is protected against the toxin it secretes.

11:35- 12:05 Poster pitches

12:05 - 13:30 *Lunch, poster session and networking*

13:30 - 14:00 **Invited lecture: Sarah D'Adamo** - Wageningen University and Research:
Oleaginous microalgae: revisiting lipid metabolism through genetic engineering, and its challenges.

14:00 - 14:20 **Aafke van Aalst** - TU Delft:
CO₂-dependent anaerobic co-fermentation of glucose and sorbitol to increase ethanol yield.

14:20 - 14:40 **Sara Benito Vaquerizo** - Wageningen University and Research:
Model-driven approach for the production of butyrate from CO₂/H₂ by a novel co-culture of *C. autoethanogenum* and *C. beijerinckii*.

14:40 - 15:25 *Coffee break and poster session*

15:25 - 15:55 **Pranas Grigaitis** - Vrije Universiteit Amsterdam:
Domestication in silico: unlocking the metabolic capacity of microorganisms through computational modeling.

15:55 - 16:15 **Jo-Anne Verschoor** - Leiden University
Back to the future; Ancestral sequence reconstruction for the identification of new plastic degrading enzymes.

16:15 - 16:45 **Invited lecture: Peter Rowe** - CEO, Deep Branch.
Ideation to pilot: the trials and tribulations of scaling a novel bioprocess.

16:45 *Drinks and Networking*