



Session	Start-ups/SMEs looking for Finance: pre-seed/angel/seed funding
Title	Microbial Control for Sustainable Industrial Systems
Company	Syngulon
Speaker	Petit Kenny
Keywords feedstock (max. 2)	Microbial system
Keywords technology (max 2)	Synthetic biology
Keywords End-Product (max 2)	Microbial control
Abstract:	
Syngulon is pioneering a natural approach to microbial contamination control using bacteriocins, natural antimicrobial peptides that offer a safe, effective, and regulatory-compliant alternative to antibiotics and chemical biocides. Microbial contamination affects a wide range of sectors, from industrial fermentation and food production to water management and cooling systems, causing yield losses, safety risks, and increased operational costs. Our technology leverages bacteriocins to selectively inhibit harmful microorganisms without disrupting beneficial microbiota or leaving any persistent residues. Unlike conventional agents, bacteriocins are biodegradable and non-remanent, removing the need for intensive cleaning or decontamination and aligning with emerging sustainability and regulatory standards. At Technology Readiness Level (TRL 4), Syngulon has validated its system in laboratory settings and now aims to perform proof-of-concept studies with industrial partners. These pilots will pave the way for market-ready solutions addressing contamination challenges across diverse applications. Syngulon is seeking collaborators, pilot sites, and early-stage investors to advance this next generation of natural microbial control solutions.	