



Session	Start-ups/SMEs looking for Finance: pre-seed/angel/seed funding
Title	The BioHalogenation Company: Forever Chemicals Disrupted by Biology
Company	BioHalo Aps
Speaker	Dr. Nicolas Krink
Keywords feedstock (max. 2)	Acetate, waste
Keywords technology (max 2)	Biohalogenation, Biofluorination
Keywords End-Product (max 2)	BioF-polymer, BioF-monomer
Abstract:	
<p>At BioHalo, we develop sustainable fine chemicals using our proprietary biofluorination platform. Moving beyond PFAS replacement, we focus on high-value, bio-based building blocks for advanced applications across materials, coatings, and pharmaceuticals. Our flagship product, F-PHB, is a fluorinated biopolymer produced through fermentation using renewable feedstocks and organic waste. It offers a low, tunable fluorine content, combining durability and chemical resistance with options for biodegradability or recyclability.</p> <p>A central innovation is 2-FMA, a versatile platform chemical and synthon for synthesizing a wide range of fine chemicals. 2-FMA enables functional material design without relying on fossil-based feedstocks or toxic fluorination agents. Its applications span from specialty polymers and paints to pharma intermediates, giving manufacturers a cleaner, flexible alternative to conventional fluorochemicals.</p> <p>Unlike traditional PFAS chemistry, energy-intensive and environmentally persistent, BioHalo's biotechnology enables efficient, site-specific fluorination. By engineering microbial hosts, we ferment targeted monomers and intermediates that deliver high performance while significantly reducing emissions and pollutants.</p> <p>Our platform offers the chemical industry a sustainable path forward: smarter fluorinated materials without the legacy risks. BioHalo empowers partners across sectors to innovate with safe, scalable, and future-proof chemistry.</p>	