



Session	Start-ups/SMEs looking for Finance: pre-seed/angel/seed funding
Title	From Turf to Global Agriculture: Precision Biocontrol powered by Proteins
Company	Yngvi Bio ApS
Speaker	Co-CEO lead, Kenneth Veland Halberg and Eva Maria Rebrova
Keywords feedstock (max. 2)	Microbial Proteins, Fermentation
Keywords technology (max 2)	Biopesticides, Biocontrol
Keywords End-Product (max 2)	Seed Coating, Spray Formulation
<b>Abstract:</b>	
<p>Insect pest control is essential for global food security, yet up to 40% of crop yields are lost annually to pests and diseases (FAO). By 2050, we must feed nearly 10 billion people, but reliance on a narrow set of chemical insecticides — organophosphates, carbamates, pyrethroids, and neonicotinoids — is failing. These chemicals are broadly active but non-specific, toxic, and accumulating in the environment, leading to resistant pest populations, biodiversity loss, and health concerns. Alternative solutions such as RNAi-based sprays, biochemicals, or classical biopesticides each face limitations in stability, uptake, cost, or field reliability.</p> <p>Yngvi Bio is building a platform for protein-based biocontrol. Instead of a single product, we offer a fast, adaptable system that can be reprogrammed to address diverse pest challenges across crops. Our bacterial protein particles act as protective carriers, shielding natural toxins until ingestion by the pest, where they deliver their payload with high specificity. This results in species-specific insect control with minimal off-target effects on beneficial insects, soil health, and human safety — combining the precision and biodegradability of biocontrol with the stability and potency of chemical pesticides.</p> <p>Starting with turf and forage grass in collaboration with global seed partners, we are developing the first seed-applied and spray formulations for below-ground pests, with planned expansion into high-value food crops. With a scalable platform, strong IP, early regulatory validation, and initial customer agreements, Yngvi Bio is positioned to become a trusted partner replacing chemical pesticides with smart, eco-aligned biocontrol solutions that can adapt rapidly to emerging agricultural challenges.</p>	