



Session 8	Microbial protein transition players
Pitch Title	Bioactive specialty proteins for the advanced nutrition markets
Company	PFx Biotech
Speaker	Ali Osman
Keywords feedstock	Glycerol, by-products
Keywords technology	Engineering biology, precision fermentation, sustainability, cost-effectiveness
Keywords End-Product	Bioactive specialty proteins, early-life nutrition, nutraceuticals
Abstract:	
<p>Advanced nutrition applications require not only good protein quantities, but also proteins with highest nutritional and health promoting properties. Today, most of these proteins are of animal origin, which contribute heavily to global greenhouse gas emission. PFX Biotech harnesses the power of biology and develops a state-of-the-art engineering biology platform to produce bioactive specialty proteins via a scalable precision fermentation process. More specifically, PFX Biotech gives advanced nutrition customers a competitive edge and provide them with GMO-free, non-allergenic, and dairy-free breast milk protein ingredients. These proteins have anti-microbial, anti-inflammatory, and immune-boosting properties, among others, and are the best solution for (A) children suffering from cow milk protein allergy, currently impacting 7 % of children worldwide, (B) senior citizens seeking easily absorbable and bioactive animal-free proteins to boost their immunity and maintain their bone health, and (C) athletes seeking easily digestible and bioavailable anti-inflammatory animal-free proteins for improved endurance and speedy recovery. PFX Biotech is already at the pilot scale for its first protein, with the aim to submit the first technical dossier by Q1/2026. PFX Biotech uses a B2B model in its business operation and is continuously seeking commercial partners globally to induce a transformative change in our food system, particularly in the advanced nutrition space.</p>	