



Session	Start-ups/SMEs looking for Finance: Pre-seed/Angel/Seed
Title	The Future of Colour is Alive
Company	Lite-1
Speaker	Sarah Graham
TRL	TRL 4 - 7
Keywords feedstock (max 2)	agricultural waste
Keywords technology (max 2)	precision fermentation
Keywords End-Product (max 2)	sustainable colourants
Abstract:	
The colorant industry is 1 of the largest polluting industries in both the production and use. The production of synthetic colorants uses harmful chemicals that require higher resource consumption, higher carbon footprint and pose health and safety concerns. The textile dye industry alone produces 20% of the world's wastewater with over 90% of the dyes used being synthetic. The discharge of colored wastewater has caused massive biodiversity loss, death and diseases. Changing regulations, customer demands and brand sustainability goals are driving a huge global demand for sustainable colour solutions, however the current natural colour offerings on the market (plant based, mineral, insect source) face critical challenges in UV, stability, cost, and scalability, and are not meeting industry's performance standards. The industry is desperate to adopt viable, scalable high-performance alternatives that bring performance and sustainability. Lite-1's groundbreaking innovation leverages advanced biomanufacturing to produce sustainable colorants for textiles, inks, paints, food and cosmetics that offer unparalleled color consistency and performance. Our black textile dye, Dark Matter, has especially shocked the industry. Grown in closed-loop fermentation systems, our microbial dyes significantly reduce greenhouse gas emissions, are biodegradable, and safe for both people and the planet.	