



Session	Start-ups/SMEs looking for Finance: pre-seed/angel/seed funding
Title	Growing the Next Generation of Bio Nano Cellulose Foams
Company	Foamlab
Speaker	Jeroen van Rotterdam
Keywords feedstock (max. 2)	bio-waste
Keywords technology (max 2)	fermentation
Keywords End-Product (max 2)	nano-cellulose foam
Abstract:	
<p>Foamlab is developing high-performance nano-cellulose foams from bacterial cellulose, a biomaterial grown via fermentation. Our foams are lightweight, structural, and tunable across a wide mechanical range. They deliver superior insulation, impact resistance, and processability for advanced applications in construction, packaging, filtration, and textiles.</p> <p>The global nanofoam market is projected to exceed \$7B by 2032, fueled by demand for high-performance, lightweight materials in sectors like aerospace, electronics, energy, and mobility. Oil-based foams dominate the market but are difficult to recycle and carbon-intensive. As industries shift toward circular materials, the need for high-performance, sustainable alternatives is accelerating. Foamlab's bio-based alternative combines performance with circularity, without relying on toxic chemicals.</p> <p>Foamlab was founded by TU Delft professor Elvin Karana and serial entrepreneur Jeroen van Rotterdam, backed by a multidisciplinary team with expertise in microbiology, chemistry, process engineering, and design engineering. Our first patent covers nano-cellulose foam mouldability; additional filings are in progress.</p> <p>We will launch a pilot phase in 2026 to validate industrial scale-up and unlock first revenues. The 1,500L facility will demonstrate production readiness over two years. We are seeking investment to complete the pilot and scale commercialisation in high-growth, sustainability-aligned markets.</p>	