



Session 1	Start-ups/SMEs looking for finance - pre-seed/angel/seed funding
Pitch Title	Next-Generation Catalysts to enable the Green Chemicals of Tomorrow
Company	Level Nine
Speaker	Seadna Quigley
	Co-Founder & CEO
Keywords feedstock	Lignin
Keywords technology	Nanozyme Next-generation Catalyst Enzyme mimic Biomimicry
Keywords End-Product	Monomers Oligomers
Amount investment needed	€3m
Abstract:	
<p>We leverage bio-nanotechnology and quantum chemistry to develop the world's first nanozymes, next-generation catalysts that bridge the gap between traditional catalysts and enzymes to unlock new possibilities for green chemicals production. Our nanozymes mimic the mechanism of an enzyme's active site to unlock new ways to cost-effectively convert biomass into renewable chemicals, replacing fossil fuels as the world's primary chemical feedstock.</p> <p>Lignin, the second most abundant natural polymer on Earth, is packed with building blocks for fuels, plastics, adhesives, and even flavorings, or pharmaceuticals. But it is also notoriously difficult to break down, making it hard to access these valuable components. Our nanozymes offer a unique solution, dismantling lignin's tough structure with high precision and in mild conditions, resulting in higher yields and product selectivity, lower process costs, and safer and more sustainable processes. We are an early-stage startup based in Berlin, and actively collaborating with partners and clients across Europe as we scale up our nanozyme technology and the first lignin-to-X processes to target different monomers and oligomers for a variety of use cases.</p>	

