



| Session   | Start-ups/SMEs looking for Finance: pre-seed/angel/seed funding |
|---|---|
| Title   | PeptoFarm - Biotechnological solutions for plant protection     |
| Company   | PeptoFarm   |
| Speaker   | Dr. Andrea Tagliani, PhD  |
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| Keywords feedstock (max. 2)   | glycerol, glucose   |
| Keywords technology (max 2)   | biomanufacturing, pharmacology                                  |
| Keywords End-Product (max 2)  | Antimicrobial peptides  |
| <b>Abstract:</b>  |   |
| <p>PeptoFarm is pioneering a new generation of peptide-based plant protection products (PPPs) that are safer and more sustainable than conventional pesticides, tailored for modern agriculture. By integrating biotechnology and pharmacology, we accelerate the development of antimicrobial peptides (AMPs), reducing timelines from years to weeks. Our platform enables the rapid, on-demand identification of AMP candidates, providing a decisive advantage against emerging plant pathogens, while by exploiting structural modeling, we optimize peptides for enhanced efficacy, stability, and environmental safety. Unlike traditional approaches focused on single natural products, our technology delivers a portfolio of targeted, potent AMPs—comparable in size to small-molecule pesticides—enabling cost-efficient scaling. Our sustainability commitment extends to production via a developing biomanufacturing pipeline, ensuring both affordability and environmental sustainability. We support agrichemical companies with R&amp;D services for fast-track discovery and optimization of novel PPPs, while laying the groundwork to expand into adjacent markets such as biostimulants, pharmaceuticals, and biologics. PeptoFarm envisions a future where innovative, eco-friendly crop protection is standard, advancing food security and reducing agriculture's environmental footprint.</p> |   |