| Session | Start-ups/SMEs looking for Finance: Pre-seed/Angel/Seed |
|---|---|
| Title | Microalgal Glycogen: From Fermentation to Formulation |
| Company | modAlgae |
| Speaker | Mariska van der Hoek |
| TRL | TRL 4 - 7 |
| Keywords feedstock (max 2) | Circular sugars |
| Keywords technology (max 2) | fermentation, filtration |
| Keywords End-Product (max 2) | microalgal glycogen |

## Abstract:

The beauty industry is growing its focus toward sustainable ingredients with high cosmetic qualities that align with clean beauty standards. At modAlgae, we harness the power of extremophilic microalgae to create Glycora, our unique and skin-natural glycogen with exceptional workings for your skin. We have demonstrated Glycora provides a three times better skin and deep skin hydration than the market standard hyaluronic acid and activates the skin, and we are continuing to show more functionalities.

Through precision fermentation we cultivate microalgae in the absence of light on circular feedstocks, creating a sustainable and scalable system for high quality bio based glycogen. Our proprietary technology combines robust algal strains (all natural, no GMO) with optimized bioprocess engineering to ensure a stable and scalable production, overcoming industry challenges like contamination and low product yields.

ModAlgae was founded in 2024. Currently at TRL 5 we are scaling toward kilogram level production, preparing the INCI registration, and testing with several potential customers. In the long term we aim to expand this ingredient platform to nutrition and health, unlocking the full potential of microalgae precision fermentation to power a circular and resilient bioeconomy.