



Session 7	Emerging innovative technologies for the bioeconomy
Pitch Title	From Whisky to Omega-3: MiAlgae's fermentation platform for co-product valorisation
Company	MiAlgae
Speaker	Jamie Gilman
Keywords feedstock	Distillery co-products
Keywords technology	Co-product fermentation platform
Keywords End-Product	Omega-3
Abstract:	
<p>MiAlgae aims to revolutionise the aquaculture and pet feed industries by producing microalgae rich in polyunsaturated fatty acids (PUFAs) to offer as a replacement to fishmeal in feed. Feed suppliers are in need of this alternative to fishmeal due to declining wild fish stocks and rising demand for PUFAs such as Omega-3. Our zero-waste solution recycles nutritional co-products from the whisky industry to grow Omega-3 rich microalgae, returning clean water in the process.</p> <p>The core of MiAlgae's process is a low capital expenditure (CAPEX) fermentation platform and the associated scaled down laboratory models for process development. This co-product processing platform is coupled with an agile approach to process scale up and scale out, making fermentative cultivation of microorganisms more accessible and sustainable for commercial applications. The presentation covers the development of the company, platform and product, and discusses how MiAlgae's platform has the potential to be applied to the development and scale up of novel aerobic, heterotrophic fermentations and as a recycling solution for co-products from other industries.</p>	