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THE **Alltech**® IDEAS CONFERENCE

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**ONE: THE ALLTECH IDEAS CONFERENCE** is where everyday heroes from across the globe dare to dream bigger to improve the world around them.



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President and CEO, Alltech



**DR. KATERINA KOUSOULAKI**  
Senior Researcher, Nofima AS



**ROY CHARSLY**  
CEO, Dunkeld Trout  
Hatcheries (Pty) Ltd



**RAMINTA KAZLAUSKAITE**  
Ph.D. Researcher,  
University of Glasgow



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FOCUS SESSION

# aquaculture

## **Salmosim: Building a Salmon Gut From Scratch**

**RAMINTA KAZLAUSKAITE**

**DR. MARTIN LLEWELLYN**

We're entering a new frontier in fish nutrition. What does it take to build a healthy, synthetic salmon gut? A lifetime of health and high performance is influenced in the early stages of gut microbes in fish nutrition. Learn more about the roles of pro-, pre- and synbiotics in fish nutrition.

## **There Are Plenty of Fish in the Sea... Right?**

**FRITS BERKERS**

What makes fish meal so special? As the aquaculture industry strives to manage finite fish meal supplies and fish oil resources, can we still produce a high-quality product? The alternatives are out there. Learn more about innovative ideas in feed development, such as Neo Green, a revolutionary trout diet from Alltech Coppens.

## **Digi-Fish: The Future of Aquaculture**

**IOANNIS NENGAS**  
Aquaculture is now the fastest-growing animal food production sector in the world. How can we keep up the increased demand for fish? The increased strain on resources and sustainable practices among fisheries requires innovative use of existing and new technologies. Learn how artificial intelligence, 3D printing, robots and other technologies can impact the future of aquaculture production.

## **New Diets, New Solutions**

**DR. KATERINA KOUSOULAKI**

Considering the increased demand for raw materials in a growing aquaculture sector, do we need to revisit nutrient requirements for farmed fish? How will the adjustment affect the full life cycle of the fish? Learn about the future challenges and opportunities with an evolving raw materials basket.

## **RAS Systems: The Perfect Environment for Fish**

**ROY CHARSLLEY**

Intensive recirculation aquaculture systems (RAS) have modernized aquaculture by improving purification methods and reducing the amount of water needed to produce fish. To have a high-performing RAS system, skilled engineering, the right feed and wise management are required. Learn how RAS can transform the sustainability and profitability of traditional trout farming.

## **Don't Skimp on Shrimp**

**JONATHAN WILSON**

What are the opportunities of the rapidly growing shrimp market? Learn how to maintain the perfect balance between optimal nutrition and a prime environment for the successful cultivation of shrimp. What strategies could help improve both production and product quality?



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