

F3 Webinar: Feeding Big Appetites

The F3 – [Future of Fish Feed](#) and [Built With Biology](#), a SynBioBeta Company, will convene a panel of experts to discuss how synthetic biology is playing an increasingly critical role in the future of seafood. The webinar, titled “Feed Big Appetites: How Biology is Helping Solve Aquaculture’s Biggest Problem,” will take place on Thurs. Feb. 24 at 8:00am PST (4:00 pm GMT).

Using synbio and conventional tools, opportunities are emerging in algae, single-cell proteins, and land crops that are yielding new ingredients for aquaculture feed crucial to maintaining the availability of protein for a growing world’s population while also protecting fragile ocean ecosystems from overfishing.

A Q&A session with representatives from Ginkgo Bioworks, KnipBio, NovoNutrients, Nuseed and Veramaris will follow panelist presentations.

This event is the first in the 2022 webinar series hosted by the F3 Team. The webinars are free and open to everyone. For more information and to register, visit: f3meeting.com/webinars.

Moderator: Christopher Oakes, Head of Strategic Partnerships in Agriculture, Deep Science Ventures

Panelists:

- Sudeep Agarwala, Ph.D., Associate Communications Director and Biological Engineer, Ginkgo Bioworks
- Katrina Benedicto, Sustainability & Communications Director – Nuseed Nutritional, Nuseed
- Larry Feinberg, Ph.D., CEO, KnipBio
- Karim Kurmaly, Ph.D., CEO, Veramaris
- Suresh M. Menon, Ph.D., Founder and CEO, Menon Renewable Products, Inc.
- Kedar Patel, Ph.D., Senior VP of Biology, NovoNutrients

Each year, an estimated 16 million metric tons of wild fish are caught exclusively for use as fishmeal and fish oil in global food production. Fish farming, or aquaculture now provides well over half of the world’s seafood and is the dominant consumer of these oil-rich fish, like sardines, anchovies and menhaden called “forage fish.” Today, fish farm owners are looking for new and innovative ways to feed all those billions of fish in a way that doesn’t rely on the limited wild fish supply from the ocean.

Forage fish are crucial sources of food for other commercial fisheries like cod, salmon, tuna, and marine mammals like whales, dolphins and seals, as well as seabirds. Without alternative oil sources, the world's oceans will not be able to keep up with the demands from the growing world population, which could result in major supply chain disruptions for the aquaculture industry and in an environmental crisis for wild fisheries.

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The F3 - Future of Fish Feed is a collaborative effort between NGOs, academic institutions, and private partnerships to accelerate the commercialization of innovative, substitute aquaculture feed ingredients to replace wild-caught fish.