



Tiny but mighty - Chemical conversations in the oceans and the role of fish-killing algae on the marine food web

Talks by Postdoctoral Researcher Nathalie Nina Suhr Eiris Henriksen and Professor Per Juel Hansen

For our last event this year, we will delve into the fascinating and intricate world of marine microorganisms, shedding light on their pivotal roles in shaping marine ecosystems. The first talk by Postdoctoral researcher Nathalie Nina Suhr Eiris Henriksen from DTU Bioengineering emphasizes the significance of microorganisms, particularly bacteria and microalgae, in orchestrating critical functions within marine ecosystems. Unveiling a cryptic chemical language, these microscopic entities engage in complex interactions that impact higher organisms, with implications ranging from aquaculture farming to biotechnological advancements. The second talk by Professor Per Juel Hansen from the Marine Biological Section, University of Copenhagen narrows its focus on ichthyotoxic microalgae, whose awareness has surged in the context of global marine aquaculture. These algae, with the ability to both photosynthesize and ingest prey, wield a dual-edged sword by releasing toxins that harm competitors and grazers during blooms. The consequences extend beyond economic losses to mussels and fish, affecting the entire planktonic food web. The talk discusses the responsible microalgae, their toxins, and the profound ecosystem effects, providing insights into algal bloom dynamics. Together, these talks unveil the complexity and importance of understanding the hidden language and ecological impacts of marine microorganisms.

After the talks we will serve gløgg and æbleskiver for a little Christmas-hygge.

Event details: 14 December 2023, from 17-19:30 in Auditorium A, Universitetsparken 15B, Bygning 1, 2100 København Ø.

Looking forward to seeing you all there!
Dansk Selskab for Marinbiologi

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