

Welcome!

Europharma is pleased to welcome customers and collaborators to the 10th anniversary of our Lofoten seminar.

This years event will be located in Ballstad, the biggest and most thriving fishing village for the Lofoten coastal fleet, where Kræmmervika rorbuer a traditional fishermans cabin resort will be at our full disposal for two days. At this resort we will be staying and also enjoying the specialized lectures.

The skill trade program of the year will be varied and takes on subjects of fish welfare and the importance of skilled marketing. We hope the lectures will act as nutritive contributions for the brain and spur the continous effort of evolving our line of business.

Europharma will, as always, in addition entertain our guests with culinary treats from our abundant cuisine, all seasoned with cultural features of many different kinds.

We look forward to this – and so should you!



This years speakers

Vidar Nikolaisen

Fish welfare will be a central topic during this years seminar and we go strait to the crux of the matter with our opening lecture, as Vidar Nikolaysen takes up on productional and marketing challenges related to fish welfare. Nikolaysen is director of fish health at Lerøy Aurora AS and leader of the expertise team of fish health at LSG.

Trygve Poppe

Cardiovascular diseases with farmed fish is the next topic on the program, something Trygve Poppe should be the perfect lecturer to discuss. Poppe has since 1981 dedicated his professional career to fish health and diseases on fish at the Veterinarian institute and at the Norwegian school of veterinary science.



Kurt Oppedal

Kurt Oppedal is director of quality and technology at Marine Harvest, Norway. The company has done research on electrical stunning and blows to the head as alternative anaesthetic methods and Oppedal will present the experiences they've gained regarding product quality, fish welfare and efficiency in the slaughtering procedure.

Tor Einar Horsberg

There's an ungoing disagreement on whether fish can perceive pain in the same way as mammals. Lecturer Tor Einar Horsberg is professor at the Norwegian school of veterinary science and will kick off the second day of the seminar with this disputed topic.



Torstein Kristensen



Exercising farmed salmon might be an unusual thought for most, but reserach into the effects of this has lead to interesting results. The lecturer will give us inputs on different effects excercise of salmon in the juvenile phase can have on the cardiovascular system, the immune system and on growth. Torstein Kristensen has master degree in fish physiology from Norwegian university of science and technology and works at Norwegian Institute for Water Research.

Per Gunnar Fjelldal



Spinal deformations is a well-known problem for Norwegian salmon farmers. Per Gunnar Fjelldal has taken a closer look on how growth rate with aid of light affects the strength and the mineral content on the salmon spine. This also was the subject as Fjelldal argued for his PhD-degree at the University of Bergen this spring.

Martin Haugmo Iversen

Haugmo Iversen is a senior scientist at the Biological research group at the college of Bodø and will lecture on effects of stress through various handling procedures, water qualities and operational routines at salmon and trout hatcheries and sea farms.



Hilde Toften

Hilde Toften is senior scientist at Norwegian Institute for Studies in Innovation, Research and Education, Nofima Mariner and has roughly 20 years of experience from research on fish biology. Her lecture is based on different salinity extents and the significance this has to fin injuries on smolt.



Erling Olav Koppang

In 1998 he took his doctors degree in immune genetics on salmon, and has since worked at the Norwegian school of veterinary science with inflammatory reactions on fish, with emphasis on vaccine- and feed sideeffects. In his lecture he will give us an update on the latest research on these/such effects.

Brit Hjeltnes

Brit Hjeltnes, assistant director at the National Veterinary Institute in Bergen is regarded as a Nestor of the trade after working with fish health and diseases for more than 30 years. She will be summing up the knowledge status concerning VHS, a topic witch was given special focus in a separate seminar at the institute earlier this summer.



Sverre Seierstad



Seierstad has through is his doctorate works studied the biological effects of replacing fish oil with vegetable oil in fish feed, and has among other things in collaboration with the University hospital of Ullevål and cardiovascular patients there to substantiate how human health is influenced by the diet of the fish..

In addition to these lectures we will look towards marketing challenges at the end of the seminar.

PROGRAMME

Onsdag	13.30 -14.30	Lunch	
	14.30 – 14.45	Welcome	Jim Roger Nordly, Europharma AS
	14.45 – 15.30	Fish welfare – what are the most crucial challenges in Norwegian fish farming?	Vidar Nikolaisen, Lerøy Aurora AS
	15.30 – 16.15	Cardiovascular diseases on farmed fish	Trygve Poppe, NVH
	16.15 – 16.45	Smalltalk, coffee and refreshments	
	16.45 – 17.15	Physical exercise on salmon	Torstein Kristensen, Niva
..	17.45	We meet on the pier for a 'nautic' event	
	21.00 – 02.30	Barbecue party at Gjermundsøy incl. concert	
Torsdag	08.00 – 09.30	Breakfast	
	09.30 – 10.00	Pain and fish – what do we know?	Tor-Einar Horsberg, NVH
	10.00 – 10.30	What causes spinal deformation on 0-åring/smolt	Per Gunnar Fjellidal, HI
	10.30 – 10.45	Coffee break / refreshments	
	10.45 – 11.30	Welfare on handling the fish	Martin Iversen, HiBo
	11.30 – 12.00	Different killing methods for fish – the importance of welfare and quality	Kurt Oppedal, Marine Harvest
	12.00 – 13.30	Lunch	
	13.30 – 14.00	Fish welfare in light of vaccine technology and feed	Erling Olav Koppang, NVH
	14.00 – 14.30	Experiences from the ISA fight at the Faroe Islands	Atli Gregersen, Fútalettur
	14.30 -14.45	ISA – challenges	Knut Hjelt, FHL
	14.45 – 15.00	ISA – challenges	Martin Binde, Mattilsynet
	15.00 – 15.15	Questions and debate	
	15.15 – 15.45	Coffee break / refreshments	
	15.45 – 16.15	VHS – a summary on knowledge status	Brit Hjeltnes, VI
	16.15 – 16.45	We become what the fish eats	Sverre Seierstad, NVH
	16.45 – 17.30	Marketing challenges	Thor Øivind Jensen
17.30 - 17.45	Coffee break / refreshments		
17.45 - 19.30	Moral and immorality in business	Kåre Valebrokk	
19.30 – 20.00	Refreshments and get-together		
20.00 – 23.30	Banquet with entertainment and concert		
Fredag	08.00 – 10.00	Breakfast and homeward journey	



lofotseminaret
20.-22. august **2008**

For further information please visit our website

www.europharma.no