

Anesthesia of Big Research Fish- REGISTRATION FORM

Last Name

First Name

Title/Position

Organization/Company

Address

State

Postcode

Phone

Fax

Mobile

E-mail address

We would like to circulate a list of participants (name and e-mail address) at the course, please tick here if you wish to be included on this list.

Invoice Details: Please provide all the information requested to avoid delays in processing the application.

Organization/Company

Administration Manager E-mail

Address

City _____ **State** _____ **Postcode** _____

AT Registration Number (if you are an inc

Registration Fee 2000,00 NOK

The Registration Fee Includes part

Policy on Cancellation

The course confirmation will be accompanied by the payment details.
The receipt/invoice will be issued within 10 days after the confirmation and cannot be changed, so please make

sure you have provided us with the correct information.

Payment of the fee is due before the course commencement. All cancellations must be made by writing (email or fax) to the secretary. Payment of the balance of the event is due, in full, for cancellation received after receipt/invoice raising. Registrants who fail to attend without advance notice are liable for the entire course fee.



FONDAZIONE GUIDO BERNARDINI
BETTER EDUCATION FOR BETTER SCIENCE



ONE DAY COURSE

Anesthesia for fish in aquaculture research

Aquaculture, probably the fastest growing food-producing sector, now accounts for nearly 50 percent of the world's food fish. Research is necessary to assure a sustainable development of this business. Fish are vertebrate animals that should be given the same considerations to welfare and protection from harm as all other research animals. Anesthesia in fish can seem complicated as the fish live in water and they are poikilotherm with more complex metabolism adapted to surrounding temperature. We do not recognize facial or body expressions of pain as easily as in land living animals and their perception of pain can be difficult to evaluate. This course will focus on anesthesia of fish and research activities related to farm fish.



6 March 2018 - University of Bergen, Norway

6th of March

Registration 09:00 - 09:30

Welcome and opening addresses 09:15 - 09:30

The importance of using anaesthesia and analgesia
in improving fish welfare 09:30 - 10:30
Lynne Sneddon

Coffee Break 10:00 - 10:30

Development of anaesthetic protocols for lumpfish (*Cyclopterus lumpus L.*):
Effect of anaesthetic concentrations, sea water temperature
and body weight 10:30 - 11:00
Ole Samuelsen

Anaesthesia of farmed fish: implications for welfare, 11:00 - 12:00
Solveig M. R. Nygaard

Lunch 12:00 - 13:00

Different anesthetic, use and mode of action:
Benzokain, Trikain, Isoeugenol and Metomidat 13:00 - 14:00
Lars Speilberg

General information regarding legislation and legal status of medicinal
products used in fish,
Norwegian Medicines Agency frequently 14:00 - 15:00
Tonje Høy

Scientific Committee

Aurora Brønstad - University of Bergen, Norway
Gemma Perretta - Fondazione Guido Bernardini, Italy

Faculty

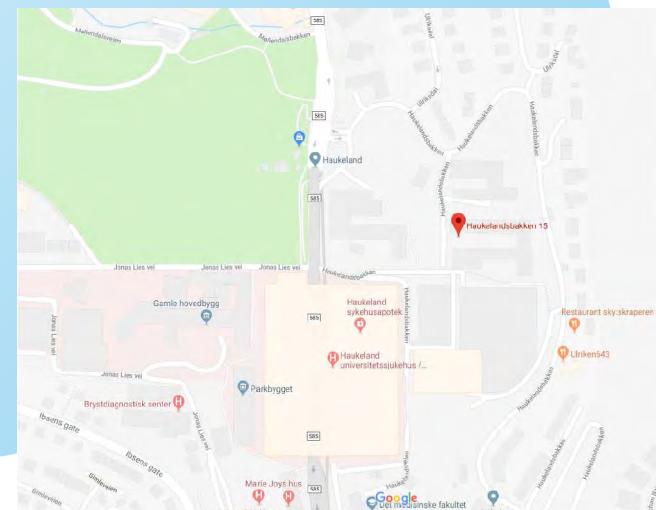
Tonje Høy - The Norwegian Medicines Agency, Norway
Solveig M. R. Nygaard - FoMAS, Fish Health and Environment, Norway
Ole Samuelsen - Institute of Marine Research, Norway
Lynne Sneddon - University of Liverpool, UK
Lars Speilberg - Scanvacc, Norway

Venue

Auditorium BUSI (room n.1106) - Building HOUSE - Child and Youth
Hospital - Haukelandsbakken 15, Bergen.

There are frequent busses (nr 2,3 and 80) going from the city center to the
Hospital Campus

Information on Public transport in Bergen can be found on
<https://www.skyss.no/en/>



Hotel Information

Recommended hotels are located near the venue; information will be available
contacting FGB secretary. Hotel reservation is not provided by the conference
organisation. Participants take care of their accommodation
themselves.