

**DAFINET AND PROFISH
WORKSHOP
PATHOGEN – HOST INTERACTIONS
AND VACCINE EFFECTS**



NOVEMBER 17TH AND 18TH, 2015

Venue:

University of Copenhagen
Frederiksberg Campus
1870 Frederiksberg C
Denmark

Organized by:

DAFINET www.dafinet.dk

The Graduate School for Immunology
and Infectious Diseases, KU-SUND

Program - Tuesday November 17th, 2015

- 13:00 Welcome address by DAFINET lea der Kurt Buchmann
Laboratory of Aquatic Pathobiology, University of Copenhagen, Denmark
- 13:05 Sonal Patel
Institute of Marine Research, Bergen, Norway
Immunity to Pancreas Disease in salmon
- 13:50 Scott LaPatra
Clear Spring Foods Inc., Buhl, Idaho, USA
The nasopharynx-associated lymphoid tissue of rainbow trout and the potential as a vaccine delivery site
- 14:30 **Coffee break**
- 14:45 Niels Henrik Henriksen
Danish Aquaculture, Denmark
Control and treatment of parasitic diseases in Danish Aquaculture
- 15:15 Uwe Fischer
Friedrich Loeffler Institute, Insel-Riems, Germany
Cellular immunity against ERM and furunculosis
- 16:00 **Coffee break**
- 16:30 Niels Lorenzen & Helle Frank Skall;
Department of Animal Science, University of Aarhus, Denmark
Danish sea reared rainbow trout suffer from furunculosis despite vaccination - How can applied research help to solve the problem?
- 17:00 Moonika Haahr Marana
Laboratory of Aquatic Pathobiology, University of Copenhagen, Denmark
Experimental furunculosis vaccines for Rainbow trout
- 17:15 Simona Bartkova
National Veterinary Institute, Technical University of Denmark,
Real-time *in vivo* imaging of bioluminescent *Aeromonas salmonicida* in rainbow trout
- 17:30 Rezgar M. Jaafar
Laboratory of Aquatic Pathobiology, University of Copenhagen, Denmark
Effects of adjuvant MontanideTM ISA 763 A VG in rainbow trout injection vaccinated against *Yersinia ruckeri*
- 17:45 **Wrap up and discussion**
- 18:30 **Dinner**

Program - Wednesday November 18th, 2015

- 10:00 Jorge Galindo-Villegas
Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, Spain.
Selective manipulation of the gut microbiota improves immune status in vertebrates
- 10:45 **Coffee break**
- 11:15 Niels Jørgen Olsen
National Veterinary Institute, Technical University of Denmark,
VHS virus – present situation
- 11:45 Kasper Rømer Villumsen
Laboratory of Aquatic Pathobiology, University of Copenhagen, Denmark
Th1/Th2/Th17 switches and adjuvants
- 12:00 **Lunch**
- 13:00 Louise von Gersdorff Jørgensen
Laboratory of Aquatic Pathobiology, University of Copenhagen, Denmark
Antigen uptake in zebrafish (*Danio rerio*)
- 13:30 Simon Haarder
Laboratory of Aquatic Pathobiology, University of Copenhagen, Denmark
Inflammation – zebrafish as a model
- 13:45 Azmi Al-Jubury
Laboratory of Aquatic Pathobiology, University of Copenhagen, Denmark
Characterization of IgD, IgT and IgM positive immune cells associated with *Ichthyophonus* induced granulomas in rainbow trout
- 14:00 **Coffee break**
- 14:30 Dina Zilberg
Ben Gurion University, Midreshet Ben Gurion, Israel
Immunization against *Tetrahymena* infection in guppies: a model for systemic parasitosis
- 15:00 Jacob G. Schmidt,
Laboratory of Aquatic Pathobiology, University of Copenhagen, Denmark
Diluted booster vaccination against enteric red mouth disease in rainbow trout
– field trials
- 15:15 Niccolo Vendramin
National Veterinary Institute, Technical University of Denmark,
Virus Y-PRV2 a new piscine orthoreovirus in rainbow trout: establishment of challenge model and long term pathogenetic study
- 15:45 Jakob Skov, University of Copenhagen, Denmark
Laboratory of Aquatic Pathobiology, University of Copenhagen, Denmark
ERM immersion vaccination and adjuvants
- 16:00 **Wrap up, final discussion and conclusions**

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Invited speakers:

Sonal Patel	Norway
Scott LaPatra,	USA
Uwe Fisher	Germany
Niels Lorenzen	Denmark
Jorge Galindo-Villegas	Spain
Niels Jørgen Olesen	Denmark
Louise Jørgensen	Denmark
Dina Zilberg	Israel