2 training courses available for October 2015

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Training course 2015

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DTU Vet National Veterinary Institute

19th Annual Workshop of the National Reference Laboratories for Fish Diseases



The courses are entitled:

Methods for implementation of surveillance procedures for listed fish diseases

week 41 from Monday 5th to Friday 9th October 2015

Introduction to Histopathology in fish diseases Copenhagen week 42 from Monday 12th to Thursday 15th October 2015

Training course 2013 30/05/2013

...Learning from the experience...



Programme- Methods for implementation of surveillance procedures for listed fish diseases week 41 from Monday 5th to Friday 9th October 2015









Working in the lab cells and PCR









Learning objectives

Maintain, cultivate, inoculate and read most used cell lines (BF-2, EPC, CCB and ASK) for fish disease diagnostic purposes.

Prepare cell cultures for different purposes, e.g. diagnosis, IFAT and virus

Inoculate and sub-cultivate diagnostic samples.

Read diagnostic trays.

Titrate virus.

Apply Real-Time PCR for surveillance purposes.

Assess pitfalls and errors in test performances and designs.

The major focus will be on the viral fish diseases using VHS as model.

The course will provide a forum where pre-knowledge, experience and examples can be discussed between participants and teachers, and hereby raise the awareness of pitfalls when using the various techniques.

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Training course 2013 30/05/2013

Program - Introduction to fish histopathology 42 from 12th -15th October 2015



Day 1	Day 2	Day 3	Day 4
Section 1	Section 2	Section 3	Section 4
9:00-10:00 Course introduction Participants will present themselves Coffee Break 10:00-10:30 10:30-12:00 Theoretical introduction and practical exercise on sampling tissues and organs from different fish sizes	9:80-10:00 General pathology principles Theoretical Coffee Break 10:00-10:30 10:30-12:00 Microscopy room slide observation.	S:30-10:00 Use of IHC Theoretical Coffee Break10:00-10:30 10:30-12:00 Microscopy room IHC slides observation	8:30 - 12:00 Microscopy Room Course assessment Participants will be given slides with lesion and will have to describe them in a morper way. General discussion of the slides provided will follow.
Lunch 12 -12:30	Lunch 12 -12:30	Lunch12 -12:30	Lunch12 -12:30
12:30 – 14:30 Normal histology and artifacts.	12:30 – 14:00 General pathology part II Definition and description of lesions Focus on systemic infection	12:30- 14:00 Use of ISH Theoretical I	12:30-14:30 General discussion on case brought by participants Course evaluation
	Coffee Break 14:00-14:30 15:00-16:30 Microscopy room II	Coffee Break 14:00-14:30 15:00-16:30 Microscopy room II	Coffee, cakes and goodby 14:30-15:00

Guest teachers

DTU

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Course supervisors

Ole Benedik Dahle (DVM Phd) tutor responsible for Histopathology

Torsten Snogdal Boutrup (DVM Phd) tutor responsible on IHC Tim Kåre Jensen (DVM Phd) tutor responsible on ISH

Learning objectives

This course aims to introduce the students to normal histology of fish and to histopathological processes, with main focus on the systemic infection in farmed fish.

The participants that will have fully followed all the course's objectives will be able to: Samples organs and tissue for histo-pathological examination and submit them in a correct

Gain knowledge to discriminate between normal histology, artefact occurred during fixation and processing,

Gain knowledge in spotting and describing in an harmonised lesions occurring during diseases process

Gain knowledge in the technology for preparing IHC and ISH, Assess pitfalls and errors in test performances and designs.

Overall the course will allow participants to understand the underlying principles of the different tests and to critically review them in order to assess pitfalls and to correctly interpret them.

The major focus will be on systemic infection with major focus on listed viral diseases.

The course will provide a forum where pre-knowledge, experience and examples can be discussed between participants and teachers, and hereby raise the awareness of pitfalls when using the various techniques.

Information on economy



This year the **EU commission has allocated a specific budget** for organizing and holding these training courses meaning that we can offer up to 15 participants from NRLs of EU Member States the following package:

Package for up to 15 NRL representatives of EU Member states includes:

- No course fee
- Travel expenses up to 500 € will be refunded (economy fares)
- · Up to 5 nights at hotel incl. breakfast will be paid and booked by the EURL
- Lunches and coffee breaks will be included

For other members of governmental institutions such as Universities, Veterinary institutes etc. the

- Travel expenses and accommodation must be covered by the participants themselves
- Fee for lunch and coffee of around 25 € per day plus fee for social dinner

Finally members of private companies are welcome to apply for participation. The package offered to these participants includes:

- Course fee (700 € for course in week 37 and 600 € for course in week 38)

 Travel expenses, hotel and daily allowances to be covered by the participants themselves
- Fee for lunch and coffee of around 25 € per day plus fee for social dinner

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Application process roadmap



http://www.eurl-fish.eu/Activities/traning/Training_courses_2014



European Union Reference Laboratory for Fish Diseases

Registration Form for Training Courses 2014

And

motivational letter

to be delivered to niven@vet.dtu.dk

• August 10th PARTICIPATION CONFIRMED TO APPLICANTS

Training course 2013 30/05/2013



Thanks for your attention we look forward to welcome you here in October!

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Training course 2013 30/05/2013