



Proficiency Tests

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Survey & Diagnosis

Training Courses

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Training courses 2017

Dear Colleagues,

It is a pleasure for us to announce the training courses organized by the EURL for fish diseases to be held in October 2017.

Please find the official invitation letter for both courses [here](#).

Preliminary programs are available for each course:

"Methods for implementation of surveillance procedures for listed fish diseases" in week 41 from Monday the 9th to Friday the 13th of October 2017

"Introduction to histopathology in fish diseases" in week 42 from Monday the 16th to Thursday the 19th of October 2017

Registration will be open until the 5th of August 2017.

Do not hesitate to contact us for further information.

Best regards,

The EURL team

Updated by [Nikolaj Gedsted Andersen](#) on 7 April 2017



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Programme for:

Methods for implementation of surveillance
procedures for listed fish diseases

9th to 13th October 2017

Day 1	Day 2	Day 3	Day 4	Day 5
Section 1 Fish farm inspection	Section 2 Laboratory introduction	Section 3 Cell culture facility	Section 4 qPCR analysis	Section 5 Discussion and evaluation
8:00 – 17:00 Fish farm visit in collaboration with FVST (Danish Veterinary and Food Administration, Section for Aquaculture). The participants will be introduced to the contingency plan in Denmark, practical demonstration of farm inspection will be performed and samples for surveillance will be collected by participants	9:00 - 10:00 Participants will be introduced to the laboratory <u>Coffee break</u> 10:00 - 10:30 10:30 - 12:00 Theoretical introduction to the use of cell culture and qPCR for surveillance programs for non-exotic listed fish disease in Europe	8:30 - 10:00 Cell culture preparation for diagnostic purpose, titration and IFAT <u>Coffee break</u> 10:00 - 10:30 10:30 - 12:00 Titration procedure, viral titre calculation	8:30 - 12:00 The diagnostic laboratory – PCR Flow PCR and Real Time-PCR theory Results analysis and practical exercises	9:00 - 11:00 Blast analysis and practical exercise Introduction to phylogenetic analysis 11:00 - 12:00 Scientific discussion and recommendations Conclusion
	Lunch: 12 - 12:30	Lunch: 12 - 12:30	Lunch: 12 - 12:30	Lunch: 12 - 12:30
	12:30 - 14:30 Sample preparation for different diagnostics procedures (Cell culture and PCR) <u>Coffee break</u> 14:30 - 15:00	12:30 - 14:30 Cell observation <u>Coffee break</u> 14:30 - 15:00 15:00 - 16:30 Cell observation 2	12:30 - 14:30 PCR and Real Time PCR Troubleshooting <u>Coffee break</u> 14:30 - 15:00 15:00 - 16:30 Sequencing theory and practical exercises	12:30 - 15:00 Course evaluation Last minute questions and good byes. Wrapping up of the course and questionnaire fill out (coffee at the tables)

Programme for:

Introduction to histopathology in fish diseases

16th - 19th October 2017

Day 1 8:00-16.00	Day 2 8:00-16.00	Day 3 8:00-16.00	Day 4 8:00-16.00
Section 1	Section 2	Section 3	Section 4
<p>Course introduction</p> <p>Participants will present themselves</p> <p><u>Coffee break</u></p> <p>Sampling for histopathological examination. Theory and practice</p>	<p>Lecture on pathology and histopathology</p> <p><u>Coffee break</u></p> <p>Microscopy room I slide observation</p>	<p>Lecture on IHC</p> <p><u>Coffee break</u></p> <p>Microscopy room III, slide observation</p>	<p>Microscopy Room IV</p> <p>Show and tell of cases by Ole Bendik Dale with discussion and participation of course participants</p>
Lunch	Lunch	Lunch	Lunch
<p>Lecture on pathology and histopathology</p>	<p>Lecture on pathology and histopathology</p> <p><u>Coffee Break</u></p> <p>Microscopy room II, slide observation</p>	<p>Lecture on ISH or more IHC</p> <p><u>Coffee Break</u></p> <p>Theoretical exercise on IHC</p>	<p>Microscopy room V.</p> <p>General discussion on selected cases brought by participants</p> <p>Course evaluation</p> <p><u>Coffee, cakes and goodbye</u></p>

Suggestions to courses for 2018?

Topics from the EURL for fish diseases:

1. How to conduct fish experiments (AQUAEXCEL)
2. Bioinformatics and phylogeny
3. Serology and antibodies