

INVITATION to Workshop and training course: Molecular tracing of viral diseases in aquaculture



Montpellier

January 26 – 30, 2015

The EMIDA project MOLTRAQ is coming to an end, and we would hereby like to share new findings and tools for molecular tracing of viral diseases in aquaculture. The primary aim of the workshop is to bring colleagues involved in molecular biology, bioinformatics and epidemiology together in order to develop strong methods for risk analysis and prevention of spread of serious diseases in aquaculture.

Location: Université de Montpellier 2, place Eugene Bataillon 34095 Montpellier, France Registration: http://moltraq.wordpress.com/author/moltraq/ Organizer(s): MOLTRAQ

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General objectives

The workshop and course aims to provide participants knowledge on the molecular and genetic tools available for providing molecular epidemiological analysis and tracing of disease outbreaks in aquatic animals. In addition focus will be on virus evolution and on factors in the environment, the host and the virus that drive the evolution of viruses in aquatic environments.

Program:

The program is divided into a workshop and stakeholder meeting Tuesday 27.01.2015 and a training course in molecular epidemiology 28-29.01.2015.

An internal progress meeting will be held back to back Friday 30th.

The key topics of the training course are:

- How to collect molecular data in aquatic animals for epidemiological use
- Phylogeny and bioinformatics of viral aquatic pathogens

The sessions in the course will be a combination of theory and practical studies. Leading scientists within epidemiology and molecular biology are invited to present talks on molecular epidemiology and virus evolution.

Number of participants: Maximum 50 at the workshop sessions 1-2, and maximum 25 in course sessions 3-6. Application with background for participation needed.

At registration please inform us your background and reason for participating.

Project participant: Jean-Christophe Avarre IRD, Tatiana Vallaeys IRD, Michael Cieslak FLI, Magne Aldrin NR, Peder Jansen NVI, Niels Jørgen Olesen DTU, Susie Sommer Mikkelsen DTU, Morten S. Bruun DTU, Britt Bang Jensen NVI, Heike Schuetze FLI, Sven Bergmann FLI, Laurent Bigarré ANSES, Saliha Haloummi IRD, Tristan Renault IFREMER, Alice Fusaro IZSVe, Valentina Panzerin IZSVe.

The workshop and training course itself is free of charge, but you will have to pay a fee for meals and coffees.



Draft Program				
Workshop, course and progress meeting on molecular tracing of viral diseases in aquaculture 26-30 January 2015				
Monday 26	Tuesday 27:	Wednesday 28:	Thursday 29	Friday 30
	Workshop and stakeholder meeting	Training course d1	Training course d2	Internal progress meeting
Venue.	9:00-10:30	8:30-10:30 SESSION 1	8:30-10:30 -	8:30-10:30
Arrival to Montpellier	MOLTRAQ: Molecular tracing of viral	Virus evolution	Molecular epidemiology	MOLTRAQ- Progress meeting
	pathogens in aquaculture, an EMIDA-ERA net	Dr. Samuel Alizon (CNRS) "Clinical	Dr. Olivier Gascuel (CNRS) "Searching	
18.30 - 20.00	project: outline and results.	applications of pathogen phylogenies",	for virus phylotypes"	
Registration	Welcome address:			
	Britt Bang Jensen. «MOLTRAQ –Background	Dr. Denis Fargette (IRD) "Biogeography	Dr. Gael Thebaud (INRA) "On the	
	ana aims»	of a viral emergence: rice yellow mottle	origin and tracing of genetic	
	Hoike Schuptzo, Elli Viral phylogony and	virus us a cuse study ,	polymorphisms for Picorna-like viruses	
	molecular tracina – Infectious hematonoietic	Dr Laurent Bigarrá (ANSES) / Dr. Niels	Dr. Britt Bang Jensen (NV/I)	
	noiecular tracing – injectious nematopoletic	largen Olesen (DTII) Virus evolution in	How to collate and enidemiological	
		aquaculture	data for molecular tracina	
	Susie S. Mikkelsen, DTU: "Molecular tracing of	aquaculture	adda jor molecular tracing	
	viral hemorrhagic septicemia outbreaks"			
	Coffee Break 10:30-11:00	Coffee Break 10:30-11:00	Coffee Break 10:30-11:00	Coffee Break10:30-11:00
	11:00-12:30	11:00-12:30	11:00-12:30	11:00-12:30
	Laurent Bigarré, ANSES: "Tracing fish	Dr.Michael Cieslak, (FLI)	(NVI) Use of sequence data in	MOLTRAQ
	betanodaviruses"	Phylogeny of viruses – practical	epidemiological analysis	Progress meeting
		applications in the context of the		
	Sven Bergmann, FLI: Cyprinid herpes viruses in	epidemiology.		
	Europe			
	loop Christopho Avarra IRD : Input of payt			
	generation sequencing into viral genome			
	comparisons and analyses: example of Cyprinid			
	herpesvirus-3.			
	Lunch 12.30 -14:00	Lunch 12:30 -14:00	Lunch 12:30 -14:00	Lunch 12:30-14:00
	14:00-15:30	14:00-15:30	14:00-15:30	14:00-15:30
	TBA, IFREMER: tracing outbreaks Ostreid	Dr. Jean-Christophe Avarre, IRD Use of	Valentina Panzarin (IZSVe)	Departure
	herpes virus μ -var infections in pacific oysters	NGS/deep sequencing in molecular	Phylogeography	
	Tatiana Vallaeys: TBA	tracing		
	Coffee Break 15:30-15:45	Coffee Break 15:30-15:45	Coffee Break 15:30-15:45	
	15:45-17:15	15:45-17:15	15:45-17:15	
	Britt Bang Jensen: Scenario simulation models	Alice Fusaro and Valentina Panzarin,	TBA (NVI) Practicals in epidemiological	
	for control options'	IZSVe	modelling	
	TRA: Modelling the spread of paperage disease	Pructicuis III BEAST	Wrapping up, discussions and	
	(PD) in Norwegian marine salmonid farms		evaluation	
			evaluation	
	Niels J. Olesen , DTU: Outreach, perspectives			
	and recommendations for future research			