



Workplan 2016 and suggestions for workplan 2017

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For the first time 2-year workplan: Workplan in 2016 and 2017

Description	Objectives	Expected outputs
1. Coordination and training		
1-1	Annual workshop	
1-2	Annual workshop report	
1-3	Survey & Diagnosis	
1-4	Training	
1-5	Scientific working group Suggestions for meetings? Diagnostic manual for exotic diseases EHNV Risk assessment of cleaner fish in the Atlantic salmon industry	



2. Proficiency test	
2-1	Proficiency tests Suggestions for changes? SAV continue? Nodavirus ? IZSVe PT
2-2	PT reports



3. Reagents and products	
3-1	Supply of Reagents
3-2	Production of reagents
3-3	Pathogen library Important to keep up with library- virtual collection in sequence database (Fishpathogens.eu)



4. Scientific advice and activities	
4-1	Webpage Update
4-2	Diagnostic manuals Update new RT-PCR for KHV? VHS and IHN
4-3	FishRefLabNet
4-4	Pathogen characterization
4-5	www.fishpathogens.eu
4-6	Molecular epidemiology
4-7	Real-time PCR IHNV, PRV-Om
4-8	Emerging diseases VHSV GIV?
4-9	Producing virtual teaching material (e-learning)
4-10	Molecular characterization of fish cell lines Barcoding, Use of gene expression in cells 3R?



5. Missions and international meetings
Missions
International meetings



G24 IHNV reference set from Jim Winton, et al. OIE Ref lab for IHN

Information for the IHNV G24 Reference set:
 24 isolates of infectious hematopoietic necrosis virus
 USGS Western Fisheries Research Center, Seattle, Washington, USA

Seattle, Washington, USA

Table 1. Epidemiological features and passage numbers of the 24 IHNV isolates in the G24 set

Isolate Name	Year	Geographical source	Species	Host	Life stage	Passage number
SL191	1974	Washington USA	Salmo Lake H.	rockfish	juvenile	4
CL12	2012	Washington USA	Cedar River	rockfish	juvenile	3
IRE1	1975	Oregon USA	River/Ruma H.	steelhead	unknown	5-13
DW10	2000	Idaho USA	Dawson H.	steelhead	juvenile	4
RIG	2000	Western Russia	Rubov	RB trout	juvenile	5
RUP	2003	Kemchuka,Russia	Makranga H.	rockfish	adult	5
LR6	1980	Washington USA	Lewis River H.	Chinook	adult	17
WRAC	1982	Idaho USA	Hagerman V.	RB trout	juvenile	10
ZS190	1996	Idaho USA	Hagerman V.	RB trout	juvenile	5
MC30	1993	Idaho USA	Hagerman V.	RB trout	juvenile	-5
MUR16	1995	Washington USA	Sturgeon H.	steelhead	adult	4
Ch07	2007	Washington USA	Silliman River H.	steelhead	juvenile	4
DW09	2000	Idaho USA	Dawson H.	steelhead	juvenile	4
C18	1993	California USA	Trinity H.	Chinook	juvenile	4
La80	1980	California USA	Colman H.	Chinook	adult	17
SR12	1986	California USA	Reese H.	Chinook	adult	17
FR031	2000	California USA	Reese River H.	Chinook	juvenile	-5
DW499	1999	Germany		RB trout	unknown	5-2
21104	1988	Italy		RB trout	unknown	3-2
02-2486	2000	Sweden		RB trout	unknown	5-2
IR04004	2006	Japan		RB trout	unknown	4
IR0402	2002	Korea		RB trout	unknown	2
IR04004	2006	Japan		RB trout	unknown	4
IR0401	1993	Korea		RB trout	unknown	1-2

Table 2. Genetic features of the 24 IHNV isolates in the G24 set

Isolate Name	Gene group	Sub-group	MSF	Genbank Accession for Genome Sequences
SL191	V	1b	MSF	nc020201
CL12		1b		nc020200
IRE1		1c		nc020202
DW10		1b		nc021840
RIG		1b		nc021841
RUP		1b		nc021842
LR6		1b		nc021843
WRAC	M	1b		nc021844
ZS190		1b		nc021845
MC30		1b		nc021846
MUR16		1b		nc021847
Ch07		1b		nc021848
DW09		1b		nc021849
C18		1b		nc021850
La80		1b		nc021851
SR12		1b		nc021852
FR031		1b		nc021853
DW499	E			
21104				
02-2486				
IR04004	J			
IR0402				
IR04004				
IR0401				

- Similar VHSV reference set from EURL team?
- ISAV?
- CyHV-3 ?
- Participating in Review on listing fish diseases in Annex to the new AHL?

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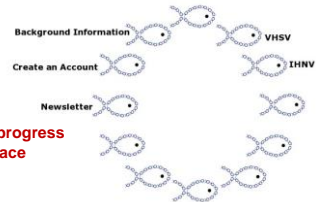


Training courses in 2017?

- Course will be held in Autumn 2017 in Lyngby (2x1 week).
- Topics: Cell cultivation, serology, molecular methods?
- Please indicate if any needs or special topics of interest!

2016-2017 Fish Pathogens Database

- In 2015 2016 plans for SAV
- Future plans for including more pathogens:
- SVC
- Perhabdovirus
- ISA
- ?



Susie left us Maj 1st and progress delayed until Argelia in place

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Workshops in 2017?

- Suggestions for topics to address? Back to back with 20th AW.

Other suggestions for 2017?

- The work plan is approved by the Commission.
- The NRL's can propose and decide plan for the EURL

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21th Annual Workshop 2017

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**EURL fish moved to DTU Campus in Lyngby 15 km
North of Cph**

- When?
- Where?
- New campus?
- In town?
- Other places?



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