

Programme

Monday 4 September 2017

HALL 1A	
09:00-10:00	Registration / Hanging of Posters
10:00-10:45	Opening Session and Keynote 1
10:15-10:45	KN-1: Recent advance in salmon louse research Frank Nilsen, Sea Lice Research Centre, University of Bergen

	ROOM 3	ROOM 2	ROOM 1
10:45-11:15	Coffee		
Concurrent Sessions (11:15-13:00)	Keynote 2 and Vaccines I <i>Chairperson: Patrick Smith</i>	Sea Lice I <i>Chairperson: Mark Fast</i>	Nutrition & Health I <i>Chairperson: Julia Mullins</i>
11:15-11:30	KN-2: Targeting fish vaccination Geert Wiegertjes, Wageningen University and Research, The Netherland	006-O: Better salmon lice management through improved understanding of salmon lice counts Kari Helgesen, Norwegian Veterinary Institute	013-O: Investigations of microbiome in aquaculture species Barbara Nowak, University of Tasmania
11:30-11:45		007-O: Utility of area sea lice reporting data for assessing numbers of adult female lice in Scotland Catherine Collins, Marine Scotland	014-O: Histological gut health monitoring of Norwegian sea-farmed Atlantic salmon Elvis Chikwati, Aquamedic AS
11:45-12:00	001-O: Correlates of vaccine protection for finfish Hetron Mweemba Munangandu, Norwegian University of Life Sciences	008-O: Temperature and development of <i>Lepeophtheirus salmonis</i> : Implications for management of the parasite Sussie Dalvin, Institute of Marine Research, Bergen	015-O: Effect of starvation on stress and macrophage functions Jose Garcia, Universidad Complutense de Madrid
12:00-12:15	002-O: Protection in salmon against SPDV following DNA vaccination: Immune response and individual fish monitoring Catherine Collins, Marine Scotland	009-O: Functional study of a putative heme receptor in the salmon louse (<i>Lepeophtheirus salmonis</i>) intestine Erna Irene Heggland, Sea Lice Research Centre, Bergen	016-O: Omega-6/omega-3 balance and saturated fat in diets for Atlantic salmon - Effects on fish health and disease resistance Sofie Charlotte Remø, Nifes
12:15-12:30	003-O: An IFN-inducible DNA vaccine against Viral Haemorrhagic Septicaemia in rainbow trout: Evaluation of safety and immune protection profile Dagoberto Sepúlveda, Technical University of Denmark	010-O: The salmon louse (<i>Lepeophtheirus salmonis</i>) transcriptome is considerably affected by the host resistance Christiane Eichner, University of Bergen	017-O: The effect of dietary fatty acid content on rainbow trout fry robustness towards <i>Flavobacterium psychrophilum</i> Nikolaj Gedsted Andersen, Technical University of Denmark
12:30-12:45	004-O: Conserved adhesins identified in Group B Streptococcus pan-genome are potential vaccine candidates against infection by different GBS serotypes in tilapia Minami Kawasaki, The University of Queensland	011-O: Efficacy evaluation of an immunogenic peptide derived from the <i>Lepeophtheirus salmonis</i> in controlled immunization-challenge experiment in <i>Salmo salar</i> Yeny Leal, Center for Genetic Engineering and Biotechnology	018-O: Krill-enriched feed gives rapid recovery and higher end-weight following experimental challenge with salmon pancreas disease virus (SPDV) Øystein Evensen, Norwegian University of Life Sciences

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	ROOM 3	ROOM 2	ROOM 1
12:45-13:00	005-O: Using a pan-genome reverse vaccinology approach to improve cross-serotype vaccines against <i>Streptococcus iniae</i> Andrew Barnes, The University of Queensland	012-O: Antibody response following vaccination of Atlantic salmon against <i>Lepeophtheirus salmonis</i> and their involvement in protection Amr Gamil, Norwegian University of Life Sciences	019-O: Effect of a functional feed additive on performance and parasite infection in gilthead seabream (<i>Sparus aurata</i>) challenged with <i>Enteromyxum leei</i> Oswaldo Palenzuela, CSIC
13:00-14:00	Lunch		
Concurrent Sessions (14:00-15:15)	Vaccines II Chairperson: Paul J Midtlyng	Sea Lice II Chairperson: Frank Nilsen	Diseases of Public Concern Chairperson: Simon Doherty
14:00-14:15	020-O: Vaccination of rainbow trout against ERM: Different administration methods (oral, immersion, bath, injection) with and without booster and adjuvants Kurt Buchmann, University of Copenhagen	025-O: Co-infection with <i>Lepeophtheirus salmonis</i> and infectious hematopoietic necrosis virus in sockeye salmon <i>Oncorhynchus nerka</i> Simon Jones, Fisheries and Oceans Canada	029-O: Survey of parasites of Atlantic chub mackerel (<i>Scomber colias</i>) with economic or public health impact Aurélia Saraiva, University of Porto
14:15-14:30	021-O: Early dip vaccination against furunculosis (<i>Aeromonas salmonicida</i>) may improve productivity of sea-reared rainbow trout (<i>Oncorhynchus mykiss</i>) Niels Lorenzen, Aarhus University	026-O: Freshwater bathing and salinity tolerance in salmon lice (<i>Lepeophtheirus salmonis</i>): Developing bioassay methods for on site monitoring Melanie Andrews, Norwegian University of Life Sciences	030-O: Experimental pathogenesis of <i>Anisakis pegreffii</i> in Sprague-Dawley rats inferred by RNA seq: clues to elucidate infection in humans Ivana Buselic, Institute of Oceanography and Fisheries
14:30-14:45	022-O: Antibody responses allow for replacement of experimental infection in batch potency testing of multivalent adjuvanted salmon vaccines Paul J Midtlyng, Norwegian University of Life Sciences	027-O: Lufenuron for the prevention and control of <i>Lepeophtheirus salmonis</i> and <i>Caligus</i> spp. – Efficacy and safety from Canadian field studies Alicia Macdonald, Elanco Animal Health	031-O: Two models for pathology of third stage <i>Anisakis</i> larvae - Sprague-Dawley rat (<i>Rattus norvegicus</i>) and European sea bass (<i>Dicentrarchus labrax</i>) Jerko Hrabar, Institute of Oceanography and Fisheries
14:45-15:00	023-O: Efficacy of an immersion vaccine against <i>Flavobacterium psychrophilum</i> in rainbow trout Rowena Hoare, University of Stirling	028-O: Impacts of lufenuron on sea lice (<i>Lepeophtheirus salmonis</i> and <i>Caligus rogercresseyi</i>) physiological processes and host protection against infection Mark D Fast, Avc-upei	032-O: The role of ABC-mediated transport in biocidal activity of natural and synthetic compounds on <i>Anisakis pegreffii</i> larvae Željka Trumbić, Institute of Oceanography and Fisheries
15:00-15:15	024-O: Rainbow trout (<i>Oncorhynchus mykiss</i>) immune response towards a recombinant vaccine targeting the parasitic ciliate <i>Ichthyophthirius multifiliis</i> Louise von Gersdorff Jørgensen, University of Copenhagen		
15:15-15:45	Poster Session & Coffee Break		

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	ROOM 3	ROOM 2	ROOM 1
Concurrent Sessions (15:45-18:15)	Workshop: Neglected Viral Diseases Affecting Freshwater Fish Farming	Cleaner Fish Chairperson: Sean Monaghan	Parasitological Diseases Chairperson: Ivona Mladineo
15:45-16:00	033-O: Open EAFP workshop: "Neglected viral diseases affecting freshwater fish farming" Olga Haenen, NRL for Fish Diseases	034-O: Investigating the virulence of a newly identified ranavirus (<i>Iridoviridae</i>) to lumpfish (<i>Cyclopterus lumpus</i>) and Atlantic salmon (<i>Salmo salar</i>) Felix Scholz, FishVet Group Ireland	040-O: Experimental challenge of salmon (<i>Salmo salar</i>) with the diplomonad parasite <i>Spironucleus salmonicida</i> by intubation of axenic trophozoites Anders Alfjorden, National Veterinary Institute, Sweden
16:00-16:15		035-O: A novel emerging disease of viral etiology for lumpfish Øyvind Haugland, Pharmaq	041-O: The use of DNA-based methods to detect <i>Miamiensis avidus</i> in biofouling from Southern bluefin tuna ranches off Port Lincoln, Australia Barbara Nowak, University of Tasmania
16:16-16:30		036-O: Determination of antibiotic resistance among fish pathogenic bacteria, pharmacokinetics and effect of antibacterial agents on lumpfish experimentally challenged with <i>V. anguillarum</i> Karen O Kverme, University of Bergen	042-O: Monitoring potentially zoonotic metacercariae of common carp (<i>Cyprinus carpio</i>) in four Hungarian aquacultures Diána Sándor, Hungarian Academy of Sciences
16:30-16:45		037-O: Evaluation of immersion vaccination of juvenile lumpfish Anita Rønneseth, University of Bergen	043-O: Histology, electron microscopy and micro-CT, a powerful combination for the description of parasites. The case of a sea turtle leech Maria-Chiara Cascarano, Hellenic Center for Marine Research
16:45-17:00		038-O: Novel insight into the innate immune mechanisms in lumpfish (<i>Cyclopterus lumpus</i> L) Gyri T Haugland, University of Bergen	044-O: Histopathologic and ultrastructural findings of <i>Sphaerospora dicentrarchi</i> (Myxosporaea: Bivalvulida) in European seabass (<i>Dicentrarchus labrax</i> L.) in Turkey Serap Birincioglu, Adnan Menderes University
			Emerging Pathogens Chairperson: Brit Hjeltnes
17:00-17:15		039-O: An overview of cytokines in lumpfish (<i>Cyclopterus lumpus</i> L.) and immune responses upon bacteria challenge Håvard Ø Eggestøl, University of Bergen	045-O: Molecular characterization of orthomyxo-like viruses isolated from pilchards and Atlantic salmon in Australia Nick Moody, CSIRO

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17:15-17:30			046-O: Evidence for a <i>Midichloria</i> -like bacterium as causative agent of red mark syndrome in rainbow trout Jacob Günther Schmidt, DTU National Veterinary Institute
17:30-17:45			047-O: <i>Streptococcus agalactiae</i> Multi Locus Sequence Type 261 is associated with mortalities in the emerging Ghanaian tilapia industry David Verner-Jeffreys, Cefas
17:45-18:00			
18:00-18:15			
Host Organisation Reception - Riverside Foyer, Belfast Waterfront			

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	ROOM 3	ROOM 2	ROOM 1
Concurrent Sessions (09:00-10:45)	Bacterial Diseases I <i>Chairperson: David Verner-Jeffreys</i>	Viruses I <i>Chairperson: Michael Welsh</i>	Keynote 3 and Bivalve & Crustacean Diseases I <i>Chairperson: Isabelle Arzul</i>
09:00-09:15	049-O: Bacterial communication in response to mucins isolated from Atlantic salmon skin and intestine Janos Tamas Padra, University of Gothenburg	055-O: Reassortant <i>Betanodavirus</i> infection in gilthead sea bream <i>Sparus aurata</i> Francesco Pascoli, Isitituto Zooprofilattico Sperimentale delle Venezie	KN-3: Situation of European mollusc production regarding diseases Isabelle Arzul, Ifremer, SG2M-LGPM, EURL for Mollusc Diseases
09:15-09:30	050-O: <i>Aeromonas salmonicida</i> growth in response to Atlantic salmon mucins differs between epithelial sites and is governed by mucin O-glycan composition Sara Lindén, University of Gothenburg	056-O: <i>In vitro</i> and <i>in vivo</i> immunoreactivity of different betanodavirus species Francesco Pascoli, Isitituto Zooprofilattico Sperimentale delle Venezie	
09:30-09:45	051-O: Pathogen adhesion to Atlantic salmon mucins differs between epithelial sites and is influenced by fucosylation and sialylation Janos Tamas Padra, University of Gothenburg	057-O: An unidentified pathogen in grey mullet (<i>Mugil cephalus</i>) causing a significant threat to aquaculture farms in Israel Rosa Inés Strem, Ben Gurion University of The Negev	062-O: Does first barrier passage shunt matter in disease reproduction? Update from OsHV-1 – <i>Crassostrea gigas</i> model Benjamin Morga, Ifremer Laboratoire de Génétique et Pathologie des Mollusques Marins
09:45-10:00	052-O: <i>Aeromonas veronii</i> infection of farmed European seabass in Greece. Distribution, microbiology and virulence Pantelis Katharios, Hellenic Center for Marine Research	058-O: Evolution of virulent ISAV from a non-virulent ISAV-HPRO progenitor Debes Hammershaimb Christiansen, Faroese Food & Veterinary Authority	063-O: Detection of <i>Ostreid herpesvirus-1</i> microvariant in healthy <i>Crassostrea gigas</i> and their possible role as reservoirs of infection Olivia Evans, The University of Sydney

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	ROOM 3	ROOM 2	ROOM 1
10:00-10:15	053-O: Study of antimicrobial susceptibility of <i>Aeromonas</i> isolates collected from diseased fish since 1984 Sandrine Baron, Anses - French Agency for Food, Environmental and Occupational Health & Safety	059-O: Mitochondrial antiviral-signaling protein (MAVS) plays an important role in conferring innate responses to SPDV infection <i>in vitro</i> Øystein Evensen, Norwegian University of Life Sciences	064-O: Monitoring of the autophagy pathway in <i>C. gigas</i> during an experimental OshV-1 infection at cellular molecular and proteomic levels Sandy Picot, Ifremer Laboratoire de Génétique et Pathologie des Mollusques Marins
10:15-10:30	054-O: Antibacterial activity of silver nanoparticles against <i>Aeromonas salmonicida</i> in rainbow trout Mohamed Shaalan, University of Veterinary Medicine, Vienna	060-O: Selective precipitation reaction: A novel diagnostic test for tissue pathology in Atlantic salmon, <i>Salmo salar</i> L., infected with salmonid alphavirus Mark Braceland, The Center for Aquaculture Technologies	065-O: Detection of <i>Ostreid herpesvirus-1</i> microvariant DNA in aquatic invertebrate species collected from the Georges River estuary, New South Wales, Australia Olivia Evans, The University of Sydney
10:30-10:45		061-O: Aetiological and epidemiological investigations in sturgeon mortality outbreaks Sara Ciulli, University of Bologna	
10:45-11:15	Coffee		
Concurrent Sessions (11:15-13:00)	Host-Parasite Interaction I Chairperson: <i>Bartolomeo Gorgoglione</i>	Fish & Shellfish Immunity I Chairperson: <i>Geert Wiegertjes</i>	Nutrition & Health II Chairperson: <i>Trygve Sigholt</i>
11:15-11:30	066-O: The extraordinary <i>Spirionucleus</i> species: A review of interactions with the host, functional domains on the cell surface, and behavior Sarah Poynton, Johns Hopkins University School of Medicine	072-O: Investigation of Beta-Defensin Gene Expression in farmed Atlantic salmon (<i>Salmo salar</i>) Jessica Kelly, Marine and Freshwater Research Centre	079-O: Toxicity of zearalenone (ZEN) in carp (<i>Cyprinus carpio</i> L.). What is surprising? Constanze Pietsch, Zurich University of Applied Sciences
11:30-11:45	067-O: Atlantic salmon physiological and immune response to amoebic gill disease and insight into the biology of the amoeba Ottavia Benedicenti, University of Aberdeen	073-O: Type I interferon signalling in a salmon cell line with a CRISPR/Cas9-mediated disrupted signal transducer and activator of transcription (STAT)-1 Bertrand Collet, Marine Scotland	080-O: Vertebral changes in discus (<i>Symphysodon discus</i>) exposed to different feeding regimes and water conditions Eva Lewisch, Clinical Division of Fish Medicine
			Aquatic Animal Welfare Chairperson: <i>Simon Doherty</i>
11:45-12:00	069-O: Looking back to look forward: Revisiting 20 years of PKD research Thomas Wahli, University of Bern	074-O: Identification and expression of group I and II type I interferons in Meagre (<i>Argyrosomus regius</i>) Jun Zou, University of Aberdeen	081-O: Performing of on-site self-inspections using fish-based indicators according to the German Animal Welfare Act Dirk Willem Kleingeld, Lower Saxony State Office for Consumer Protection and Food Safety
12:00-12:15	070-O: Comparison of <i>Tetracapsuloides bryosalmonae</i> infections in different salmonid species – Always the same? Heike Schmidt-Posthaus, Centre for Fish and Wildlife Health	075-O: Mechanisms of lipopolysaccharide recognition and processing in barramundi (<i>Lates calcarifer</i>) Emmanuelle Zoccola, The University of Queensland	082-O: Stress resistance and adaptation of rainbow trout from intensive and extensive management conditions – A molecular approach Henrike Seibel, Christian-Albrechts-University Kiel

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	ROOM 3	ROOM 2	ROOM 1
12:15-12:30	071-O: Potential role of the BAFF/APRIL axis in the pathogenesis of proliferative kidney disease in rainbow trout (<i>Oncorhynchus mykiss</i>) Carolina Tafalla, Inia	076-O: Contrasting reactivity of CD8 α -positive and -negative lymphocytes to IL-2 family cytokines in rainbow trout lymphoid tissues Takuya Yamaguchi, Friedrich-Loeffler-Institut	083-O: Effect of crowding on the stress response of rainbow trout Lorenzo Garcia Muñoz, Universidad Complutense de Madrid
12:30-12:45	214-O: Growth and trade-off effects in TALEN and CRISPR/Cas9-mediated myostatin mutated medaka (<i>Oryzias latipes</i>) Takashi Aoki, Waseda University	077-O: Immune reactivity of isolated Atlantic salmon (<i>Salmo salar</i>) gut leucocytes to PAMPs and recombinant cytokines Ahmed Attaya, University of Aberdeen	084-O: Does flash photography cause stress in aquarium fish? Klaus Knopf, Leibniz-Institute of Freshwater Ecology and Inland Fisheries
12:45-13:00		078-O: A comparative study of diploid and triploid Atlantic salmon post-smolts upon SAV-3 bath challenge and their immune transcriptomic responses Noelia Nuñez-Ortiz, Institute of Marine Research	085-O: The stress hormone cortisol: A (co-)regulator of biofilm formation in <i>Flavobacterium columnare</i> ? Annelies Maria Declercq, Ghent University
13:00-14:00	Lunch (Branch Officers working lunch)		
Concurrent Sessions (14:00-15:15)	Immunostimulation <i>Chairperson: Jose Garcia</i>	Industry Forum ParaFishControl I	Bivalve & Crustacean Diseases II <i>Chairperson: Lone Madsen</i>
14:00-14:15	086-O: Effect of vitamin C on innate immune responses of rainbow trout (<i>Oncorhynchus mykiss</i>) leukocytes Esther Leal, Inia		090-O: Assessing procedures to reduce mortality of hatchery-produced Pacific oyster spat due to OsHV1- μ var during growing out in Galicia (NW Spain) Antonio Villalba, Centro de Investigaciones Mariñas
14:15-14:30	087-O: Sea bass autochthonous bacterial isolates as potential probiotics for aquaculture: <i>In vitro</i> stimulation of host peripheral blood leukocytes Ivana Buselic, Institute of Oceanography and Fisheries		091-O: Haemocytes from <i>Crassostrea gigas</i> and OsHV-1: A promising <i>in vitro</i> system to study host/virus interactions Benjamin Morga, Ifremer Laboratoire de Génétique et Pathologie des Mollusques Marins
14:30-14:45	088-O: Do β -glucans influence the relationship between innate immune parameters in common carp and its associated gut microbiome? Sarah Harris, Keele University		092-O: Advances in our understanding of <i>Vibrio aestuarianus</i> infections in cultured <i>Crassostrea gigas</i> in the Republic of Ireland Ciar O'Toole, Marine Institute, Ireland
14:45-15:00	089-O: Impact of MacroGard® upon the bacterial species diversity in the gut of common carp (<i>Cyprinus carpio</i>) Sarah Harris, Keele University		093-O: <i>Vibrio aestuarianus</i> Clade A and Clade B isolates are associated with Pacific oyster disease outbreaks from Ireland David Verner-Jeffreys, Cefas

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	ROOM 3	ROOM 2	ROOM 1
15:00-15:15			214-O: Mechanisms underlying resilience to Ostreid herpes virus in selectively bred families of Pacific oyster <i>Crassostrea gigas</i> in New Zealand. Zoe Hilton, Cawthron Institute
15:15-15:45	Poster Session & Coffee Break		
Concurrent Sessions (15:45-18:15)	Bacterial Diseases II <i>Chairperson: David Hoole</i>	Industry Forum ParaFishControl II	Gill Diseases <i>Chairperson: Barbara Nowak</i>
15:45-16:00	094-O: A new species of <i>Edwardsiella</i> from marine fish Ronald Thune, Louisiana State University School of Veterinary Medicine		100-O: "Koi sleepy disease" is a pathophysiological consequence of branchial infection of common carp with <i>carp edema virus</i> Mikolaj Adamek, University of Veterinary Medicine, Hannover
16:00-16:15	096-O: Proteomic analysis and identification of immunogenic proteins of <i>Francisella noatunensis</i> subsp. <i>orientalis</i> Jose Gustavo Ramirez-Paredes, University of Stirling		101-O: Amoebic gill disease - Host and parasite Barbara Nowak, University of Tasmania
16:15-16:30	097-O: Comparative genomics of 39 <i>Lactococcus garvieae</i> isolates to identify genes that contribute to host adaptation and disease in Rainbow trout Sion Bayliss, University of Bath		102-O: Humoral immunity and antioxidant response in farmed Atlantic salmon during amoebic gill disease Mar Marcos Lopez, Galway Mayo Institute of Technology
16:30-16:45	098-O: Large-scale genomic analyses reveal the population structure and evolutionary trends of <i>Streptococcus agalactiae</i> strains in Brazilian fish farms Henrique Figueiredo, Federal University of Minas Gerais		103-O: Investigation of co-infections with pathogens associated with gill disease in Atlantic salmon during an amoebic gill disease outbreak in Ireland To be confirmed
16:45-17:00	099-O: Resistance of Nile tilapia (<i>Oreochromis niloticus</i>) to <i>Streptococcus iniae</i> and <i>S. agalactiae</i> is heritable but not correlated Benjamin Beck, Aquatic Animal Health Research Unit		104-O: Longitudinal study of putative pathogens of Atlantic salmon (<i>Salmo salar</i> L.) complex gill disease Ana Herrero, Moredun Research Institute
17:00-17:15			105-O: Individual monitoring of Atlantic salmon, <i>Salmo salar</i> , through amoebic gill disease (AGD) infection Rachel Chance, University of Aberdeen

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	ROOM 3	ROOM 2	ROOM 1
17:15-17:30			106-O: Treatment effects of freshwater and hydrogen peroxide at various stages of Amoebic gill disease (AGD) in Atlantic salmon Linda Andersen, Stiftelsen Industrilaboratoriet (ILAB)
17:30-17:45			107-O: Development of a functional diet against Amoebic Gill Disease Julia Mullins, Skretting ARC
17:45-18:00			
18:00-18:15			
Civic Reception – Belfast City Hall			

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	ROOM 3	ROOM 2	ROOM 1
Concurrent Sessions (09:00-10:45)	Bacterial Diseases III <i>Chairperson: Snjezana Zrncic</i>	Diagnostics I <i>Chairperson: Alexandra Adams</i>	Keynote 4 and Environmental & Toxicological Diseases <i>Chairperson: Ivona Mladineo</i>
09:00-09:15	108-O: Development of a bath challenge model in Atlantic salmon for Western Canadian <i>Tenacibaculum maritimum</i> Kathleen Frisch, Cermaq Group	115-O: Design standards for experimental and field studies to evaluate diagnostic accuracy of tests for infectious diseases in aquatic animals Ian Gardner, University of Prince Edward Island	KN-4: 30 years of eel diseases in Europe Olga Haenen, NRL of Fish, Crustacean and Shellfish Diseases, WBVR of Wageningen UR
09:15-09:30	109-O: Generation of a random transposon mutagenesis library of <i>Vibrio anguillarum</i> to identify essential genes Andrew Desbois, University of Stirling	116-O: To pool or not to pool? Guidelines for pooling specimens for different diagnostic end purposes in aquatic animals Emilie Laurin, University of Prince Edward Island	
09:30-09:45	110-O: Comparative genomics of Vibrionaceae Nicola Coyle, University of Bath	117-O: Pitfalls in molecular diagnostics of the <i>Cyprinivirus</i> genus Sven M Bergmann, Fli Insel Riems	123-O: Chronic Ulcerative Dermatopathy in cultured meagre, <i>Argyrosomus regius</i> Pantelis Katharios, Hellenic Center for Marine Research
09:45-10:00	111-O: <i>Vibrio gigantis</i> in mullet: A new potential pathogen in fish Maddalena Iannaccone, Zoo delle Maitine, Pesco Sannita	118-O: Detection of viral DNA, mRNA and infectivity in koi fin (KF-1) cells infected with different concentration of koi herpesvirus (KHV) Hyoung Jun Kim, National Fishery Products Quality Management Service	124-O: Investigation of ulcers in cod and flounder from southwestern Baltic Sea Marlene Areskog, National Veterinary Institute, Uppsala

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	ROOM 3	ROOM 2	ROOM 1
10:00-10:15	112-O: Pathogenesis of <i>Vibrio aestuarianus</i> associated disease in Pacific cupped oyster <i>Crassostrea gigas</i> Leila Parizadeh, Ifremer SG2M/LGPMM	119-O: Development and validation of a novel one-step reverse transcription PCR method for detecting viral haemorrhagic septicaemia virus Hyoung Jun Kim, National Fishery Products Quality Management Service	125-O: Effect of mycotoxin contamination on the rainbow trout <i>Oncorhynchus mykiss</i> Simon Menanteau-Ledouble, University of Veterinary Medicine, Vienna
10:15-10:30	113-O: Characterization of Norwegian field isolates of <i>Yersinia ruckeri</i> causing yersiniosis in salmon Monica Gausdal Tingbø, Pharmaq	120-O: Pathological observation of infectious spleen and kidney necrosis virus (ISKNV) in zebrafish Roberto Bermúdez, Universidade de Santiago de Compostela	
10:30-10:45	114-O: Use of SWATH mass spectrometry for quantitative proteomic investigation of rainbow trout spleen in response to <i>Yersinia ruckeri</i> strains Gokhlesh Kumar, University of Veterinary Medicine, Vienna	121-O: Isolation and characterization of shark single domain antibodies capable of binding Salmonid Alphavirus E2 protein Danish Munir, University of Aberdeen	
10:45-11:15	Coffee		
Concurrent Sessions (11:15-13:00)	Host-Parasite Interaction II <i>Chairperson: Kurt Buchmann</i>	Viruses II <i>Chairperson: Hilde Sindre</i>	Workshop: Student Writing
11:15-11:30	126-O: Do different parasite concentrations modulate Proliferative Kidney Disease (PKD) in brown trout? Thomas Wahli, Centre for Fish and Wildlife Health	132-O: Molecular tracing of viral haemorrhagic septicaemia outbreaks in Denmark Argelia Cuenca, National Veterinary Institute, DTU	139-O: Student writing workshop: titles, figures and tables; how to create effective communications for papers and presentations Sarah Poynton, Johns Hopkins University School of Medicine; Barbara Nowak, University of Tasmania
11:30-11:45	127-O: <i>In vitro</i> investigations of proteases secreted by <i>Aphanomyces invadans</i> , the potential cause of Epizootic Ulcerative Syndrome in fish Muhammad Majeed, University of Veterinary Medicine, Vienna	133-O: Immunogenicity modulation of VHSV-IVb upon natural changes in the Great Lakes and by Matrix protein mutation Bartolomeo Gorgoglione, University of Toledo	
11:45-12:00	128-O: Exocrine glands of <i>Lepeophtheirus salmonis</i> and expression of possible host modulatory genes Aina-Cathrine Øvergård, University of Bergen	134-O: Emergence of a novel VHSV genotype IV in lumpfish (<i>Cyclopterus lumpus</i>): Risk assessment for European aquaculture Niels Jørgen Olesen, Technical University of Denmark	
12:00-12:15	129-O: Do prostaglandins produced by <i>Lepeophtheirus salmonis</i> affect the interaction between the parasite and the fish? Sussie Dalvin, Institute of Marine Research, Bergen	135-O: Viral haemorrhagic septicaemia virus (VHSV) remains viable within water flea <i>Moina macrocopa</i> over several days but at low levels Takafumi Ito, National Research Institute of Aquaculture	

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	ROOM 3	ROOM 2	ROOM 1
12:15-12:30	130-O: <i>Caligus rogercresseyi</i> induces the expression of the inflammasome complex in Atlantic and Coho salmon Luis Vargas-Chacoff, Universidad Austral de Chile	136-O: Comparison of susceptibility of koi herpesvirus (KHV) between koi carp, <i>Cyprinus carpio</i> and ginbuna, <i>Carassus auratus langsdorfii</i> Hyoung Jun Kim, National Fishery Products Quality Management Service	
12:30-12:45	131-O: Expression of serpin and its role in feeding in the freshwater louse, <i>Argulus foliaceus</i> Aisha Ambu Ali, University of Stirling	137-O: Influence of temperature on Koi herpesvirus disease (KHVD) replication Sandro Klafack, Friedrich-Loeffler-Institut	
12:45-13:00		138-O: Characterization of a novel cyprinid paramyxovirus Richard Paley, Cefas	
13:00-14:00	Lunch		
Concurrent Sessions (14:00-15:15)	Bacterial Diseases IV <i>Chairperson: Roy Palmer</i>	Fish & Shellfish Immunity II <i>Chairperson: Ariadna Sitjà-bobadilla & Patrick Smith</i>	Bivalve & Crustacean Diseases III <i>Chairperson: Antonio Villalba</i>
14:00-14:15	140-O: Susceptibility of salmonid cell cultures to intracellular infection with <i>Yersinia ruckeri</i> and impact of chemical blockers Simon Menanteau-Ledouble, University of Veterinary Medicine, Vienna	145-O: T cell response in gilthead sea bream after exposure to the myxozoan parasite <i>Enteromyxum leei</i> : Local versus systemic Carla Piazzon, Fish Pathology Group IATS-CSIC	150-O: Molecular characterization of a rickettsia-like organism (RLO) associated with mass mortalities of king scallop <i>Pecten maximus</i> L. in United Kingdom Irene Cano Cejas, Cefas
14:15-14:30	141-O: Epitheliocystis disease in Greece is caused by a wide variety of unrelated bacteria Pantelis Katharios, Hellenic Center for Marine Research	146-O: Immunoglobulins in Meagre (<i>Argyrosomus regius</i>): An insight into the nature of IgM and IgT Douglas Milne, University of Aberdeen	151-O: Survey of king scallops (<i>Pecten maximus</i>) for the presence of apicomplexan parasite in Scotland Silvia Soares, Marine Scotland-Science
14:30-14:45	142-O: Whole-genome analysis of <i>Piscirickettsia salmonis</i> reveals structural genomic difference within genogroups Alejandro C Yañez, Universidad Austral de Chile	147-O: Characterization of CD8 α^+ dendritic cells in rainbow trout gills Irene Soleto, Centro de Investigación en Sanidad Animal (CISA-INIA)	152-O: First haplosporidan parasite reported infecting a member of the superfamily Pinnoidea (<i>Pinna nobilis</i>) and association with a mortality event Susana Darriba, Technological Institute for Monitoring of the Marine Environment of Galicia (INTECMAR)
14:45-15:00	143-O: Skin ulcerations in wild flatfish: A mystery to be resolved Maaïke Vercauteren, Ghent University	148-O: Gilthead sea bream immunoglobulins: Tell me the bug and I will show you the isotype Ariadna Sitjà-Bobadilla, Instituto de Acuicultura Torre de la Sal (IATS-CSIC)	153-O: Understanding the intensification of perkinsosis in eastern oysters Ryan Carnegie, Virginia Institute of Marine Science

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	ROOM 3	ROOM 2	ROOM 1
15:00-15:15	144-O: Bacterial ulcer infections in land based production of large post smolts of Atlantic salmon Nina Sandlund, Institute of Marine Research, Bergen	149-O: Conserved fever pathways across vertebrates: A herpesvirus delays fish behavioral fever through expression of a decoy Tnf-alpha receptor Alain Vanderplasschen, University of Liège	154-O: <i>Bonamia exitiosa</i> and <i>Bonamia ostreae</i> in the New Zealand flat oyster <i>Ostrea chilensis</i> : Understanding dispersal of these important marine parasites Henry Lane, University of Otago
15:15-15:45	Poster Session & Coffee Break		
15:45-18:15	General Assembly - Meeting Room 3		

Thursday 7 September 2017

	ROOM 3	ROOM 2	ROOM 1
Concurrent Sessions (09:00-10:45)	Workshop: Targetfish	Diagnostics II <i>Chairperson: Niels Jørgen Olesen</i>	Viral Myopathies <i>Chairperson: Marian McLoughlin</i>
09:00-09:15		155-O: Detection of aquaculture pathogens <i>Flavobacterium columnare</i> and <i>F. psychrophilum</i> using amplicon deep sequencing Lidia Beka, University of Connecticut	162-O: Mapping the course of infection with piscine myocarditis virus (PMCV) from sea transfer to slaughter Julie Christine Svendsen, The Norwegian Veterinary Institute
09:15-09:30		156-O: Automated identification of pathogens using a new HRM-based tool: Application to the discrimination of <i>Mycobacterium</i> species Jean-Christophe Avarre, Institut des Sciences de l'Evolution de Montpellier	163-O: Indications for transmission of piscine myopathy virus (PMCV) from broodfish to progeny Britt Bang Jensen, The Norwegian Veterinary Institute
09:30-09:45		157-O: Validation of histological tools for <i>Tetracapsuloides bryosalmonae</i> through inter-laboratory proficiency test Tine Moesgaard Iburg, National Veterinary Institute, DTU	164-O: Piscine myocarditis virus ORF3 encodes a cytotoxic protein, which increase virulence and viral titer of an attenuated heterologous model virus Øystein Evensen, Norwegian University of Life Sciences
09:45-10:00		158-O: Development of computer-assisted image analysis for semi-quantitative histology of the hepatopancreas for monitoring health in whiteleg shrimp (<i>Penaeus vannamei</i>) Fabio Cervellione, Skretting ARC	165-O: Marker-assisted selection for improved HSMI-resistance in Atlantic salmon Vibeke Emilsen, AquaGen

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Thursday 7 September 2017

	ROOM 3	ROOM 2	ROOM 1
		Aquatic Animal Epidemiology I <i>Chairperson: Birgit Oidtmann</i>	
10:00-10:15		159-O: Survey of the occurrence of notifiable viral diseases in farmed and feral salmonids in Switzerland Nicolas Diserens, Centre for Fish and Wildlife Health	166-O: Piscine orthoreovirus infection reduces susceptibility of Atlantic salmon (<i>Salmo salar</i> L.) to highly virulent infectious haematopoietic necrosis virus (IHNV) Niccolo Vendramin, DTU-VET Eurl for Fish Diseases
10:15-10:30		160-O: Reporting and management of emerging aquatic animal diseases – A review Edmund Peeler, Cefas	167-O: Studies of the kinetics of infection of <i>Salmonid Alphavirus</i> using salmon cardiac primary cultures (SCPCs) from different genetic traits Patricia Noguera, Marine Scotland-Science
10:30-10:45		161-O: Assessing the influence of climate change on infectious diseases in fish in the United Kingdom Paulette Posen, Centre for Environment, Fisheries and Aquaculture Science	
10:45-11:15	Coffee		
Concurrent Sessions (11:15-13:00)	Workshop: Myxozoa I <i>Chairperson: Jerri Bartholomew & Oswaldo Palenzuela</i>	Salmonid Viral Diseases <i>Chairperson: Øystein Evensen</i>	Aquatic Animal Epidemiology II <i>Chairperson: Roy Palmer</i>
11:15-11:30	168-O: Are Myxozoa the first metazoan parasites? Ivan Fiala, Institute of Parasitology, Biology Centre CAS	175-O: Overview of Infectious Salmon Anemia Virus (ISAV) in Atlantic Canada and first report of an ISAV North American-HPRO subtype Nellie Gagné, Fisheries and Oceans Canada	180-O: The importance of current and environmental variability for dispersion of waterborne pathogens along the Norwegian coast Lars Asplin, Institute of Marine Research, Norway
11:30-11:45	169-O: Do myxozoans have the same sting as their free living relatives? Ashlie Hartigan, The Natural History Museum	176-O: Horizontal transmission of salmon gill pox virus (SGPV) within an Atlantic salmon (<i>Salmo salar</i> L.) recirculation aquaculture system (RAS) Petra Elisabeth Petersen, Faroese Food & Veterinary Authority	181-O: Risk factors for infection with and losses due to important parasites in gilthead sea bream and European sea bass aquaculture Birgit Claudia Oidtmann, Cefas
11:45-12:00	170-O: Challenges and insights from the mitochondrial cox1 gene of <i>Ceratonova shasta</i> (Myxozoa): Assembly difficulties and genetic diversity Stephen Atkinson, Oregon State University	177-O: Dynamics of salmonid alphavirus infection and shedding rate is dose dependent Sonal Patel, Institute of Marine Research, Bergen	182-O: A review of the epidemiology of koi herpesvirus disease in England and Wales Jason Mewett, Cefas

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Thursday 7 September 2017

	ROOM 3	ROOM 2	ROOM 1
12:00-12:15	171-O: Morphological convergence in distantly related myxozoans: Are spores ecotypes? Ana Born-Torrijos, Biology Centre of the Czech Academy of Sciences	178-O: Piscine orthoreovirus (PRV) is the causative agent of heart and skeletal muscle inflammation (HSMI) in Atlantic salmon (<i>Salmo salar</i>) Maria K Dahle, Norwegian Veterinary Institute	183-O: Status of Anguillid herpesvirus 1 (AngHV-1) in wild European eels in England – Widespread opportunist or a cause for concern? Chris Williams, National Fisheries Laboratory
12:15-12:30	172-O: Evolution and functional diversification of cystatin superfamily in parasitic cnidarians Pavla Bartosova-Sojkova, Biology Centre of the Czech Academy of Sciences	179-O: Hypoxia tolerance and responses to hypoxic stress during heart and skeletal muscle inflammation in Atlantic salmon (<i>Salmo salar</i>) Maria K Dahle, Norwegian Veterinary Institute	184-O: A survey of three viruses in wild and cultured salmon in Iceland Heida Sigurdardottir, University of Iceland
12:30-12:45	173-O: <i>Ceratonova shasta</i> in action: Myxozoan motility gene expression and its relation to virulence Gema Alama-Bermejo, Biology Centre of the Czech Academy of Sciences		185-O: Genetic analysis of infectious pancreatic necrosis virus from Turkey Harun Albayrak, Ondokuz Mayıs University
12:45-13:00	174-O: Molecular investigations of <i>Thelohanellus</i> spp. from Hungarian common carp ponds and natural lakes Réka Borzák, Hungarian Academy of Sciences		186-O: <i>Oceanivirga salmonicida</i> , a pathogen of sea reared Atlantic salmon, with possible epidemiological links to marine mammals Roy Palmer, National University of Ireland
13:00-14:00	Lunch		
Concurrent Sessions (14:00-15:15)	Workshop: Myxozoa II Chairperson: <i>Ariadna Sitjà-bobadilla & Stephen Atkinson</i>	Fish & Shellfish Immunity III Chairperson: <i>Neil Ruane</i>	Workshop: Vivaldi
14:00-14:15	187-O: Host species drives <i>Ceratonova shasta</i> genotype evolution across its geographic range Jerri Bartholomew, Oregon State University	192-O: Optimizing bead based multiplex immunoassays for detection of <i>Piscine orthoreovirus</i> specific antibodies in Atlantic salmon (<i>Salmo salar</i>) Lena Hammerlund Teige, NMBU - Norwegian University of Life Sciences	
14:15-14:30	188-O: Host reaction of common carp to <i>Sphaerospora molnari</i> (Myxozoa: Cnidaria): From hematological changes to specific immunity Astrid Sibylle Holzer, Biology Centre of the Czech Academy of Sciences	193-O: A study of the skin immune response of rainbow trout, <i>Oncorhynchus mykiss</i> , to puffy skin disease Lyndsay Christie, Cefas	

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Thursday 7 September 2017

	ROOM 3	ROOM 2	ROOM 1
14:30-14:45	189-O: Cell-cell junctions of the intestinal mucosa are differently affected in turbot and gilthead sea bream by <i>Enteromyxum</i> spp. (Myxozoa) infection Paolo Ronza, Universidade de Santiago de Compostela	194-O: Proliferative kidney disease transcriptomics: Host-specific parasite biomarkers of infection and testing of novel vaccine candidates for rainbow trout aquaculture Marc Nicolas Faber, University of Aberdeen	
14:45-15:00	190-O: <i>Kudoa thrysites</i> (Myxozoa) infection outcome in Atlantic salmon is determined within the first two to three months of chronic exposure Wyth Marshall, BC Centre for Aquatic Health Sciences	195-O: The BAFF/APRIL axis plays an important role in virus-induced peritoneal responses in rainbow trout Carolina Tafalla, Inia	
15:00-15:15	191-O: The effect of smolt size on the risk of <i>Kudoa thrysites</i> in Atlantic salmon <i>Salmo salar</i> Simon Jones, Fisheries and Oceans Canada	196-O: Use of the reporter cell line RTG-P1 for detection of viral fish pathogens Katherine Lester, Marine Scotland	
15:15-15:45	Poster Session & Coffee Break		
Concurrent Sessions (15:45-17:15)	Workshop: Emerging Skin Diseases in Aquaculture	Fish & Shellfish Immunity IV <i>Chairperson: Vikram Vakharia</i>	Bivalve & Crustacea Diseases IV <i>Chairperson: Annelies Declercq</i>
15:45-16:00	197-O: Red mark syndrome – A novel but serious problem in Danish rainbow trout fish farms Niels Henrik Henriksen, DTU National Veterinary Institute	206-O: Development of a DNA vaccine against KHV and characterization of immune responses after intramuscular and oral vaccination Carmen Embregts, Wageningen University	208-O: How does the Pacific oyster <i>Crassostrea gigas</i> resist to the protozoan parasite <i>Bonamia ostreae</i> ? Isabelle Arzul, Ifremer SG2M-LGPMM
16:00-16:15	198-O: The current state of red mark syndrome Kim Thompson, Moredun Research Institute	202-O: Development of a bead-based multiplex immunoassay for detection of specific antibodies in Atlantic salmon after vaccination Hege Lund, Norwegian University of Life Sciences	209-O: Epidemiological patterns of marsteiliosis affecting the common cockle <i>Cerastoderma edule</i> in Galicia (NW Spain) Antonio Villalba, Consellería do Mar da Xunta de Galicia
16:15-16:30	199-O: Red mark syndrome: Observations on disease development in a cohabitation model Jacob Günther Schmidt, DTU National Veterinary Institute	203-O: Relevant route of experimental challenge reveals sub potent vaccine batches in Atlantic salmon Anne Ramstad, VESO Vikan Research Facility	210-O: Hemolymph extraction sites and 3D-visualization of the cardiovascular system and related structures of the blue mussel (<i>Mytilus edulis</i>) Annelies Maria Declercq, Ghent University
16:30-16:45	200-O: Puffy skin disease in rainbow trout <i>Oncorhynchus mykiss</i> Irene Cano Cejas, Cefas	204-O: Identifying mechanisms of protective mucosal immunity in rainbow trout, <i>Oncorhynchus mykiss</i> : Immersion vs. oral vaccination against vibriosis Sean Monaghan, University of Stirling	211-O: Detection of new Yellow head virus genotypes and assessment of pathogenicity Nick Moody, CSIRO

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	ROOM 3	ROOM 2	ROOM 1
16:45-17:00	<p>201-O: Current situation and recent advances on petechial rash in Mediterranean aquaculture</p> <p>Francesc Padros, Universitat Autònoma de Barcelona</p>	<p>205-O: Freund's adjuvants enhance antibody responses and suppress the upregulation of IFNγ and IL-12 mRNA levels in Japanese flounder</p> <p>Hidehiro Kondo, Tokyo University of Marine Science and Technology</p>	<p>212-O: Damage to disaster: Cause and effect of tail fan necrosis in lobsters</p> <p>Hua Zha, The University of Auckland</p>
17:00-17:15		<p>207-O: Development of a DNA vaccine against SVCV and characterization of local and systemic immune responses after intramuscular and oral delivery</p> <p>Carmen Embregts, Wageningen University</p>	<p>213-O: First detection of <i>Paramarteilia</i> sp. in <i>Necora puber</i> (Velvet crabs) sampled in Galway Bay, Ireland</p> <p>Ciar O'Toole, Marine Institute, Ireland</p>
Gala Dinner - Titanic Belfast			