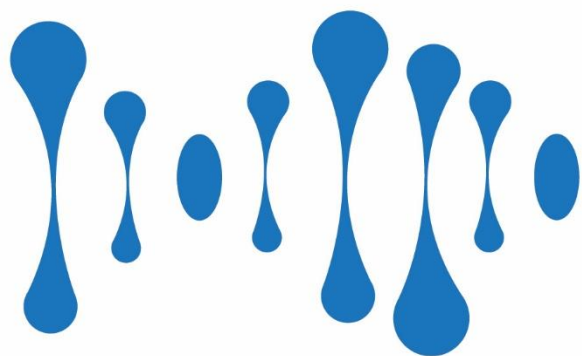




22nd International
Conference on Diseases
of Fish and Shellfish

2025

Heraklion, Greece
1 - 4 September 2025



eafp2025.org

PROGRAM



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WELCOME NOTE

Dear Colleagues,

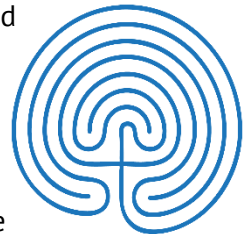
On behalf of the hosting society, the European Association of Fish Pathologists e.V., and the local organizers at the Institute of Marine Biology, Biotechnology and Aquaculture of the Hellenic Centre for Marine Research, we are delighted to welcome you to the 22nd International Conference on Diseases of Fish and Shellfish (EAFP XXII), in Heraklion, Crete, from 1st to 5th September 2025.

After our last successful meeting in Aberdeen, Scotland, we are excited to continue bringing our community together to share knowledge, ideas, and research. This time, we will gather in Heraklion, Crete—a city full of history and surrounded by breathtaking natural beauty. Heraklion is the capital of Crete and a place of great historical significance. It was the center of the Minoan Civilization, one of Europe's earliest and most advanced societies.

During your stay, we encourage you to explore sites like the famous Palace of Knossos and the Archaeological Museum, where you can step back in time and learn about Crete's fascinating past. The city is also a vibrant and very popular tourist destination, known for its sunny beaches, crystal-clear waters, and warm hospitality. The conference venue, the Cultural Conference Center of Heraklion, is located in the heart of the city, making it easy to experience all that Heraklion has to offer. With its popularity as a destination, we strongly recommend making travel and accommodation arrangements as early as possible to ensure you get the best options.

This year, we're proud to offer an exciting program featuring inspiring keynote speakers, 25 session topics, and eight workshops that aim to share new ideas and foster collaboration. We are confident that EAFP XXII in Heraklion will provide both high-quality scientific discussions and memorable experiences for everyone attending.

Lastly, we want to share a fun note about our conference logo. You might have noticed the circular labyrinth design—a tribute to the elaborate, confusing structure designed and built by the legendary artificer Daedalus for King Minos of Crete, at Knossos. Its function was to hold the Minotaur, the monster eventually killed by the hero Theseus. Daedalus had so cunningly made the Labyrinth that he could barely escape it after he built it. Some of you have remarked that it looks suspiciously like a fingerprint! Rest assured, this resemblance was not intentional, though we do hope it serves as a fitting metaphor for the unique and personal mark that each one of you will leave at this year's conference.



We look forward to welcoming you to Heraklion this September for an event that will be both productive and enjoyable.

Warm regards,

Pantelis Katharios, Local Organizer EAFP XXII & Astrid Holzer, EAFP Meeting Secretary

ORGANIZERS

The conference is hosted by the European Association of Fish Pathologists (EAFP), in collaboration with the Hellenic Centre for Marine Research (HCMR) and the Institute of Marine Biology, Biotechnology, and Aquaculture (IMBBC). These organizations are dedicated to advancing research and fostering innovation in aquatic health.



ORGANIZING COMMITTEE

- EAFP President: **Klaus Knopf** (Germany)
- EAFP Vice President: **Snježana Zrnčić** (Croatia)
- EAFP General Secretary: **Jerko Hrabar** (Croatia)
- EAFP Treasurer: **Edit Eszterbauer** (Hungary)
- EAFP Publication Officer: **Annette Boerlage** (UK)
- EAFP Meeting Secretary: **Astrid Holzer** (Austria)
- Local organizer: **Pantelis Katharios** (Greece)

SPONSORS



PLENARY & KEYNOTE SPEAKERS

Prof. Jerri L. Bartholomew



Director of the J.L. Fryer Aquatic Animal Health Laboratory, Department of Microbiology, Oregon State University

Jerri's research focusses on pathogens that affect the health of wild Pacific salmon populations, particularly myxozoan parasites. Investigations cover parasite biology, evolution, diversity and host immunity. Her plenary talk will focus on a long-term monitoring project in the Klamath River, where the world's largest dam removal project in 2023 and 2024 made way to salmon migration and parasite redistribution.

Prof. Eric Stabb



Head of Department of Biological Sciences, College of Liberal Arts and Science, University of Illinois at Chicago, Chicago, Illinois

Eric is a microbiologist who is interested in a broad field of Microbiology, bacterial genetics and physiology. He studies interactions between bacteria and their hosts, and his keynote will focus on the light organ symbiosis between the bioluminescent bacterium *Vibrio fischeri* and the Hawaiian squid *Euprymna scolopes*. Light, produced by bacterial cells in epithelium-lined crypts of a specialized organ, helps the squid elude predators, while the host squid provides *V. fischeri* with nutrients.

Dr. Nikos Papandroulakis



Research Director at the Institute of Marine Biology, Biotechnology and Aquaculture, Hellenic Centre for Marine Research, Crete

Nikos' research focuses on the improvement of the rearing methodologies and technologies in Mediterranean aquaculture and the application of research results in the industry. With his team he develops modern offshore precision farming tools and applications based on modelling and using the principles of circular economy. His keynote provides insights into the continuing development of these tools and how their predictions can help to manage farms during climate change.

Dr. Sandrine Baron



Mycoplasmology-Bacteriology and Antimicrobial resistance Unit – Ploufragan-Plouzané-Niort Laboratory – French Agency for Food, Environmental and Occupational Health & Safety, France.

Sandrine is bacteriologist with a special interest for autochthonous bacteria of aquatic environment, which are opportunistic pathogens for human and animal. Her research focuses on the improvement the methodologies to study antimicrobial susceptibility of aquatic bacteria. She has conducted field studies that contributed to better understand AMR dissemination in aquatic environments and fishfarm. Her keynote will address the methodological specificities to monitor AMR in aquatic environment and freshwater fishfarm, illustrated by French research projects and the baseline study of antimicrobial resistance (AMR) in bacteria from aquaculture animals in EU.

LOCATION

The Venue

The 22nd International Conference on Diseases of Fish and Shellfish takes place on 1st to 4th of September 2025, in Heraklion, Crete, Greece. The Venue is the [Cultural – Conference center of Heraklion](#) .

The Cultural and Conference Center of Heraklion is a modern venue in Crete dedicated to performing arts and scientific meetings. After many years in the making, it made its official debut in 2019. It has been built near some important historical sites of the city of Heraklion, such as the remnants of the Venetian walls and the burial site of the Greek writer and Heraklion native Nikos Kazantzakis. It is also close to Heraklion city center and to many city hotels.



How to come to the venue

The Cultural Conference Center of Heraklion is 6,6 km from Heraklion International Airport N. Kazantzakis and 2,6 km from Heraklion Port. City buses start from the airport every 10 minutes and from the port every 20 minutes towards the city center. A bus station, a taxi station and many rent-a-car companies are in the airport area. For more information about local transportation in the city please visit: astiko-irakleiou.gr/en/.

Venue address: Nikolaou Plastira 49, 712 01 Heraklion, Greece

Please visit cccc.gr for more details.

Crete

Crete is the most southern region of Greece and Europe, separating the Aegean Sea from the Libyan Sea, it marks a physical boundary between Europe and Africa. It is the largest Greek island and one of the largest in the Mediterranean basin, with a total surface of 8,336 km², 1,100 km of coastline and approximately 623,000 inhabitants.



The island of Crete boasts a long and turbulent history and a fascinating culture. Cultural influences from other civilizations of the West and the East, as well as the remains of the glorious Minoan civilization (c. 2700-1420 BC), are found across the island. This mix of civilizations has marked contemporary Cretan culture, which is still vibrant and distinctive as it has always been.

The Cretan land encompasses an amazing variety of landscapes and landforms. Crete is renowned for its breathtaking mountain ranges, fertile valleys, the plethora of caves, gorges and plateaus of exceptional beauty as well as for its long sandy beaches and clear blue seas. Historic and cultural attractions, Cretan traditions, traditional settlements, monuments, archaeological sites, social mores, the local proceedings, the Cretan cuisine, the natural environment, the folkloric richness, remarkable ecosystems and unique landscapes are waiting to be discovered.

If you would like to discover more about Crete visit:

incrediblecrete.gr
cretanbeaches.com

Heraklion

Heraklion is the capital of Crete, the largest urban centre in Crete and the economic centre of the island with approximately 200,000 people. The town of Heraklion is a vibrant small metropolis and combines urban scenery, archaeological and cultural heritage with natural beauty.

The first European civilization, the Minoan civilization, flourished on this land 5000 years ago and can still be experienced today by visiting the ancient palace of Knossos Archaeological Site and the Archeological Museum of Heraklion.



How to come to Heraklion



Arriving by plane

You can fly directly to Heraklion International Airport “Nikos Kazantzakis” (HER). Heraklion International Airport “Nikos Kazantzakis” is the second busiest airport of Greece during summer period. Charter flights directly connect Heraklion with 43 countries and more than 100 airports around the world. In case there is not a direct flight from your city to Heraklion, the best option is to arrive in Heraklion through Athens. Around 12 flights per day arrive to Heraklion from Athens and the duration of the flight is just 40 minutes.

You are strongly advised to choose a flight to Heraklion International Airport. Alternatively, one can land at Chania International Airport and reach Heraklion by bus or car. Please keep in mind that Crete is a big island and the driving distance between Heraklion and Chania is 142km (around 2,5 hours).

Once you arrive at the Heraklion airport you can use public transport (buses) or a taxi for your transfer to your hotel or the conference Venue. A bus station, a taxi station and many rent- a -car companies are in the airport area.

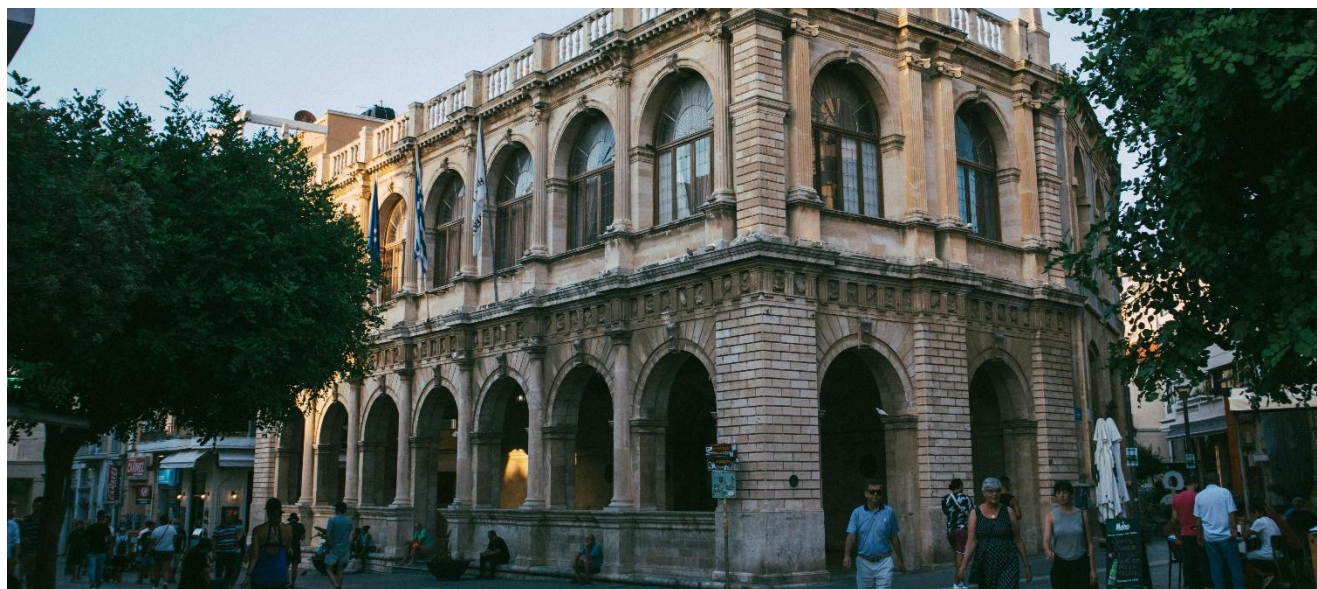
For more information about local transportation in the city please visit: astiko-irakleiou.gr.



Arriving by ship

The city of Heraklion is connected to Piraeus port (close to Athens) daily. You could use this option but keep in mind that it is a longer trip (9 hours). You could arrive in Athens, use the public transport to reach Piraeus port and travel by ship directly to Heraklion port, which is close to the city center.

For more information and boat tickets booking please visit: minoan.gr and anek.gr.



USEFUL CONTACTS

Heraklion city buses information	+30 2810 283270
Taxi Heraklion	+30 2810 361363, 2810 210102
Ambulance	166
Fire Department	199
Police	100
European emergency service line	112
Medical Center- CRETA INTERCLINIC	+30 2810 373800
Public Hospital Venizeleio	+30 2813 408000
University General Hospital of Heraklion "PAGNI"	+30 2813 402111

Local Conference Secretariat (Crete, Greece):

"Diazoma Conferences & Events" diazoma.net

Tel: +30 6908-215112 & +30 2810-321494

Email: info@diazoma.net, conferences@diazoma.net, meetings@diazoma.net

SOCIAL EVENTS

Gala Dinner

Thursday 4th of September 2025

The Conference Gala Dinner will take place at Arolithos Traditional Cretan Village. It is a unique thematic place which represents the Cretan traditions. This will be not just dinner but an authentic Cretan memorable experience!

The registration fee includes the conference dinner.



Study Tour

Friday 5th of September 2025

Participants will be picked up from the conference venue at 09.00 in the morning and get transferred to the Cretaquarium at 13 km from Heraklion to have an interesting, guided study tour. The departure for the town of Elounda starts at around 12.00-12.30 and we need approximately 50-60 minutes' drive. Then, we will take a 20 min boat ride to the island of Spinalonga. Spinalonga is a small island with an exceptionally interesting history. The Venetian Fortress, which still stands, was built in 1579 and it protected the entire gulf. After the Turks left, in 1903, Spinalonga developed into a gathering place for lepers from all over Crete. After this nice visit, the boat will bring back participants and we will have a tasteful lunch. There will be free time to enjoy a coffee before returning to Heraklion in the late afternoon.



The excursion fee includes:

- ✓ -transfers with luxury a/c coach
- ✓ -entrance fee to Cretaquarium (sponsored by HCMR IMBBC)
- ✓ -one professional/official English-speaking guide per coach
- ✓ -boat ride to/from Spinalonga Island
- ✓ -full guidance at the Spinalonga Island
- ✓ -entrance fee to Spinalonga site
- ✓ -lunch

Booking in advance is required!

The price is 79.00 euros per person.

MOBILE APPLICATION

OFFICIAL CONFERENCE MOBILE APP

Discover all the conference information on your mobile! The new app is easy to use and keeps you organized throughout the conference.

HOW DO I USE IT?

- Scan the QR code:



Or enter the address: mobile.eafp2025.org

- Add the application to your mobile home screen for immediate access (a notification will appear or select from the browser menu: "Add to home screen").
- No installation from the App Store is required.

WHAT'S INCLUDED:

- **Conference Agenda:** See all sessions, times and rooms.
- **My Agenda:** Add presentations that interest you and create your own schedule!
- **Useful Information:** Transportation, maps, points of interest, etc.
- **Posters & Abstracts:** Browse searchable lists of presentations.
- **Contact Speakers:** Tap on an email to send a message directly from your device.



PROGRAM TABLE

SUNDAY 31/08		
Pre – Conference Workshops		
08:45-17:30	Fish Histopathology 2025: A Focus on Gills Organizers: <i>Barbara Nowak (Univ. of Tasmania), Diane Elliott (US Dept of the Interior), Heike Schmidt-Posthaus (Univ. of Bern), Patricia Noguera (Univ. of Aberdeen)</i> The workshop will begin with the keynote speaker: <i>Dr Jeff Wolf (Chief Pathologist, EPL, Virginia)</i>	Room: MINOAS
09:00-17:00	Bioinformatics WS: Genomics of Fish Pathogens Workshop Organizers: <i>Nicola Coyle, Chantelle Hooper, Georgia Ward & Ronny van Aerle (Cefas, UK)</i>	Room: ARIADNI

MONDAY 01/09			
08:00	Registration		
09:30	Opening & Welcome Address PLENARY TALK: Jerri Bartholomew Oregon State University And the dams came down: deconstructing dams and myxozoan disease following Klamath River Dam removals Room: KNOSSOS		
11.30	Refreshment Break, Exhibition, Poster Viewing & Group Photo		
	Theme: Viral Diseases I <i>(Chair: Alain Vanderplasschen)</i> Room: FESTOS	Theme: Host-Parasite Interactions I <i>(Chairs: Hanna Hartikainen, Maree Widdicombe)</i> Room: MINOAS	Theme: Bacterial diseases I <i>(Chairs: Snjezana Zrncic, Stavros Droubogiannis)</i> Room: ARIADNI
12:00	Machine Learning-Based Quantification of Cardiomyopathy Syndrome (CMS) Inflammation in Atlantic Salmon Hearts (7201) <i>Anneli YRJOENHEIKKI, PATOGEN</i>	Comparative analysis of responses to early-stage sea lice (<i>Lepeophtheirus salmonis</i>, (Krøyer, 1837)) infection reveals inter- and intraspecies resistance mechanisms (7256) <i>Michael MCGOWAN, UNIVERSITY OF STIRLING</i>	Lactococcosis an emerging threat in marine Mediterranean aquaculture: a practical review – clinical cases, phylogeny, and molecular diagnostics (7081) <i>Sara M. PICON-CAMACHO, VET'EAU - SELARL DU DR ALAIN LE BRETON</i>
12:15	Molecular Analyses of the Distribution of PMCV (7001) <i>Espen RIMSTAD, NORWEGIAN UNIVERSITY OF LIFE SCIENCES</i>	First record of a coccidian para-site, <i>Calyptospora mexicanus n. sp.</i> (<i>Eimeriorina: Calyptospori-dae</i>) infecting three different native species in Mexico (7005) <i>Graciela Esmeralda COLUNGA RAMIREZ, HUN-REN VETERINARY MEDICAL RESEARCH INSTITUTE</i>	Current status of vaccination against lactococcosis in Australian farmed salmonids (6947) <i>Andrew BARNES, THE UNIVERSITY OF QUEENSLAND</i>

12:30		Encased but not engulfed: characterization of host-parasite associates in rainbow trout with proliferative kidney disease (7221)	Genetic diversity of <i>Vibrio harveyi</i> isolates from diseased sea bass in the Mediterranean: evidence for a highly-cytotoxic lineage that secretes novel virulence factors (7320)
		Deepam BHATTACHARYA, UNIVERSITY OF VETERINARY MEDICINE	Ana VENCES, UNIVERSIDADE DE SANTIAGO DE COMPOSTELA
12:45	ISAV-HPRO evolutionary dynamics and potential fitness determinants in Atlantic salmon smolt farms in the Faroe Islands (7288)	Transcriptomic analysis of rainbow trout response to single and co-infections by <i>myxobolus cerebralis</i> and <i>tetracapsuloides bryosalmonae</i> at the portals of entry (7185)	The role of plasmids in driving <i>Vibrio harveyi</i> virulence in barramundi (<i>Lates calcarifer</i>) (6891)
	Debes Hammershiamb CHRISTIANSEN, FAROESE FOOD AND VETERINARY AUTHORITY	Naveed AKRAM, UNIVERSITY OF VETERINARY MEDICINE	Roisin SULLIVAN, SYDNEY SCHOOL OF VETERINARY SCIENCE - THE UNIVERSITY OF SYDNEY
13:00	High-density genome-wide association study in two cohorts of rainbow trout identifies candidate genes for resistance to infectious pancreatic necrosis (7028)	Proteases and their inhibitors involved in the metamorphoses of zoonotic <i>Anisakis pegreffii</i> larvae and infection success of paratenic and accidental hosts (7362)	Assessing the Suitability of <i>Galleria mellonella</i> Larvae for <i>Vibrio harveyi</i> Virulence Studies (7214)
	Yoannah FRANCOIS, SYSAAF	Željka TRUMBIC, UNIVERSITY OF SPLIT	Matea ALFIER, CROATIAN VETERINARY INSTITUTE
13:15	Infectious pancreatic necrosis virus can be transmitted through cohabitation from Atlantic cod (<i>Gadus morhua</i>) to Atlantic cod, Atlantic salmon (<i>Salmo salar</i>), Atlantic halibut (<i>Hippoglossus hippoglossus</i>), and lumpfish (<i>Cyclopterus lumpus</i>) (6897)	Anisakid nematodes in the liver of Baltic cod: Their impact on host condition, energy reserves and spawning success (6936)	In vivo pathogenesis studies in early-stage gilthead seabream (<i>Sparus aurata</i>) using GFP/RFP-tagged <i>Vibrio harveyi</i> (6955)
	Nina SANDLUND, INSTITUTE OF MARINE RESEARCH	Magdalena PODOLSKA, NATIONAL MARINE FISHERIES RESEARCH INSTITUTE	Charalampos CHALMOUKIS, UNIVERSITY OF CRETE
13:30	Lunch, Exhibition & Poster Viewing		
	Theme: Viral diseases II <i>Chairs: (Isabel Bandin, Santosh Lamichhane)</i> <i>Room: FESTOS</i>	Theme: Host-Parasite Interactions II <i>(Chairs: Itziar Esztensoro, Teresa Pirollo)</i> <i>Room: MINOAS</i>	Theme: Bacterial diseases II <i>(Chairs: Pantelis Katharios, Joseph Nowlan)</i> <i>Room: ARIADNI</i>
14:30	Experimental infection of rainbow trout (<i>Oncorhynchus mykiss</i>) and redfin perch (<i>Perca fluviatilis</i>) with Epizootic haematopoietic necrosis virus (EHNV) (7123)	Free-swimming copepodid salmon lice (<i>Lepeophtheirus salmonis</i>) undergo a transcriptomic shift when exposed to salmonid host cues (7254)	Photobacteriosis: Comparative Genomics and Protein Targets for Innovative Vaccine Development (6939)

	<i>Anna Luiza Farias ALENCAR, DTU AQUA</i>	<i>Michael MCGOWAN, UNIVERSITY OF STIRLING</i>	<i>Evangelia KARAGEORGOU, HELLENIC CENTRE FOR MARINE RESEARCH</i>
14:45	Nervous necrosis virus egress from neuronal GB cell uses an alternative secretory pathway dependent on Rab1a and myosin IIB (7131)	Preliminary evidence of a life stage specific antibody response to <i>Cardicola</i> spp. (<i>Trematoda: Aporocotylidae</i>) in ranched Southern bluefin tuna, <i>Thunnus maccoyii</i> (7025)	Diversity and Antimicrobial Resistance of <i>Yersinia ruckeri</i> in Great Britain (7291)
	<i>Vertika BAIPIAI, NATIONAL TAIWAN UNIVERSITY</i>	<i>Maree WIDDICOMBE, RMIT UNIVERSITY</i>	<i>Nicola COYLE, THE CENTRE FOR ENVIRONMENT, FISHERIES AND AQUACULTURE SCIENCE</i>
15:00	Susceptibility of European grayling (<i>Thymallus thymallus</i>) to IHNV and quantification of viral shedding (7251)	Morpho-functional insights into <i>Sparicotyle chrysophrii</i>: the Mediterranean aquaculture scourge (7128)	Effect of Simulated Gastric Conditions on <i>Yersinia ruckeri</i> Survival and Host-Pathogen Interaction with Salmonid Intestinal Epithelial Cells In Vitro (7092)
	<i>Claire JOINER, CEFAS</i>	<i>Itziar ESTENSORO, INSTITUTO DE ACUICULTURA TORRE LA SAL & CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS</i>	<i>Tharangani HERATH, HARPER ADAMS UNIVERSITY</i>
15:15	Viral Nervous Necrosis in <i>Sparus aurata</i>: results from long term infection (7195)	Identifying resistance genes responsible for natural protection against a fish parasite in zebrafish (6719)	Clinical and histopathological findings in Atlantic salmon (<i>Salmo salar</i>) infected with a novel species of <i>Piscirickettsia</i> (7047)
	<i>Paola BERTO, ISTITUTO ZOOPROFILATTICO DELLE VENEZIE</i>	<i>Louise Von GERSDORFF JØRGENSEN, UNIVERSITY OF COPENHAGEN</i>	<i>Hamish RODGER, PATOGEN AS</i>
15:30	Detection of Nnv Persistent Infection in Greater Amberjack Broodstock Gonad Shows a Sex-dependent Immune Response (7074)		Designing nanoformulations for the delivery of peptidase-sensitive antimicrobial against fish bacterial infections (7318)
	<i>Elena CHAVES-POZO, COMU-IEO, CSIC</i>		<i>Ivona MLADINEO, IMAS, UNIVERSITY OF TASMANIA</i>
15:45	Detection of Acipenserid Herpesvirus type 2 (AciHV-2) in Italian Sturgeon Farms (7182)	Transcriptome of ranched Southern bluefin tuna, <i>Thunnus maccoyii</i>, reveals a localised and systemic immune response during <i>Cardicola forsteri</i> (<i>Trematoda: Aporocotylidae</i>) infection (7027)	Ultrastructural insights into a <i>Candidatus Parilichlamydia</i> sp. infection of gill goblet cells in Greater amberjack (7108)
	<i>Lorena BIASINI, ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLE VENEZIE</i>	<i>Maree WIDDICOMBE, RMIT UNIVERSITY</i>	<i>Maria Chiara CASCARANO, UNIV. OF CRETE & HELLENIC CENTRE FOR MARINE RESEARCH</i>
16:00	Refreshment Break, Exhibition, Poster Viewing & Group Photo		

	Theme: Viral diseases III (Chairs: Anna Toffan, Alexandra Kouznetsova) Room: FESTOS	Workshop: EU Projects Cure4Aqua and IGNITION – Results and Innovations Room: MINOAS	Theme: Bacterial diseases III (Chairs: Andrew Desbois, Eva Karageorgou) Room: ARIADNI
16:30	How does 25-hydroxycholesterol (25HC) affect the viral replication and the immune response of zebrafish larvae infected with enveloped (TiLV and SVCV) and non-enveloped (NNV) viruses? (7117) <i>Justyna STARZYK, JAGIELLONIAN UNIVERSITY</i>	Organizers: Ivona Mladineo, (Biology Centre Czech Academy of Sciences) & Benjamin Costas (CIIMAR) <i>Maria Isabel Bandin Matos (USC, Spain)</i> Protecting sole in the hatchery against Nervous necrosis virus <i>Pantelis Katharios (HCMR, Greece)</i> Shaping the microbiome of fish larvae with phage therapy and probiotics <i>Mikolaj Adamek (TiHO, Germany)</i> Testing of epithelial or environmental samples for intravital evaluation of fish health status	Insights into Aeromonas veronii in European seabass (Dicentrarchus labrax): A clinical and molecular perspective from Greece (6946) <i>Charalambos PAGONIS, IRIDA S.A.</i>
16:45	Characterization of new viruses isolated from sea bass fingerlings showing atypical clinical signs (6931) <i>Lenaig LOUBOUTIN, ANSES LABORATOIRE DE PLOUFRAGAN PLOUZANÉ NIORT UNITÉ VIMEP</i>	<i>Marina Machado (CIIMAR, Portugal)</i> The power of halophytes: in vitro immunomodulatory effects and antibacterial activities <i>Ana do Vale (i3S, Portugal)</i> Harnessing OMVs from Photobacterium damsela subsp. piscicida to develop fish vaccines	Histology-guided RNA-seq: deciphering the cutaneous landscape of turbot furunculosis (7124) <i>Xoel SOUTO GUITIÁN, UNIVERSITY OF SANTIAGO DE COMPOSTELA</i>
17:00	Illumination of anguillid herpesvirus 1 transmission reveals the importance of host developmental stage and social interactions (7072) <i>Alain VANDERPLASSCHEN, UNIVERSITY OF LIÈGE</i>	<i>Cláudia Magalhães (SPAROS, Portugal)</i> Towards precision aquaculture: Integrating multiomic biomarkers for fish health monitoring through biosensors	Temporal sampling of rainbow trout fry for characterizing Flavobacterium psychrophilum dynamics in a Recirculating Aquaculture System (7347) <i>Valentina Laura DONATI, NATIONAL INSTITUTE OF AQUATIC RESOURCES, TECHNICAL UNIVERSITY OF DENMARK</i>
17:15	Establishment of a new endothelial cell Line of Japanese Eel and its Application to the investigation of temperature preference of Japanese Eel Endothelial Cells-Infecting virus (6983) <i>Kousuke UMEDA, JAPAN FISHERIES RESEARCH AND EDUCATION AGENCY</i>		In vivo transcriptomics reveals the important role of iron acquisition systems and secreted proteins in the virulence of the fish pathogen Flavobacterium psychrophilum (6975) <i>Tatiana ROCHAT, INRAE</i>
17:30	Carp edema virus infection leads to systemic dysbiosis in common carp (7116) <i>Maria ZAWISZA, JAGIELLONIAN UNIVERSITY</i>		Diversity of Tenacibaculum species from Atlantic salmon from selected fish farms on the West coast of Norway 301 <i>Mustapha LAMKHANNAT, NMBU</i>

17:45	Comparative CyHV-3 susceptibility evaluation in invasive Asian carp species using new cell lines (7360)		Investigations of interspecific horizontal transmission of Tenacibaculosis induced by Tenacibaculum maritimum from Atlantic salmon (<i>Salmo salar</i> L.) to Coho (<i>Oncorhynchus kisutch</i> W.) and Chinook salmon (<i>Oncorhynchus tshawytscha</i> W.) (7087)
	Santosh LAMICHHANE, MICHIGAN STATE UNIVERSITY		Joseph NOWLAN, UNIVERSITY OF GUELPH & VANCOUVER ISLAND UNIVERSITY
18:00	Virus free offspring obtained from infected parents – can this be possible? (7191)		Transcriptomic and proteomic insights into tenacibaculum maritimum adaptation to iron depletion under in vivo-like conditions (7253)
	Sven M. BERGMANN, CITY UNIVERSITY OF HONG KONG		Thao MAI, MOREDUN RESEARCH INSTITUTE
18:15	Marker Candidates and Reverse Genetic Approaches in Viral Hemorrhagic Septicemia Virus 1e Genotype (6256)		First report of Lactococcosis by Lactococcus garvieae in Atlantic Bluefin Tuna (<i>Thunnus thynnus</i>) (7179)
	Harun ALBAYRAK, ONDOKUZ MAYIS UNIVERSITY		Luana CORTINOVIS, ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLE VENEZIE
18:30	Tilapia lake virus in the pathophysiological aspects: The impact of the infection on hematological and cardiac functions (6266)		Inflammatory and immune response of rainbow trout (<i>Oncorhynchus mykiss</i>) challenged with Lactococcus garvieae: observations in selected lines (7334)
	Tuchakorn LERTWANAKARN, KASETSART UNIVERSITY		Donatella VOLPATTI, UNIVERSITÀ DEGLI STUDI DI UDINE
18:45	Day 1 Close & Reception at Conference site		

TUESDAY 02/09			
08:30	Registration		
09:00	KEYNOTE: Eric Stabb <i>University of Illinois in Chicago</i> The symbiosis between <i>Vibrio fischeri</i> and the Hawaiian bobtail squid as a model aquatic infection Room KNOSSOS		
	Theme: Diagnostics I <i>(Chair: Louise von Gersdorff Jorgensen)</i> Room: FESTOS	PKD Workshop: Harnessing new knowledge to develop sustainable disease management strategies for aquaculture Room: MINOAS	Workshop: Emerging disease in wild shellfish populations Room: ARIADNI
10:00	Circulating MicroRNAs: Indicators of immune response of European seabass (<i>Dicentrarchus labrax</i>) (7372) <i>Elena SARROPOULOU, HELLENIC CENTRE FOR MARINE RESEARCH</i>	Organizers: <i>Oliver Robinson (British Trout Association), Janina Costa (Sustainable Aquaculture Innovation Centre), Andre Van (Kames Fish Farming Ltd), Hanna Hartikainen (University of Nottingham) & Jason Holland (University of Aberdeen)</i> <i>Oliver Robinson (British Trout Association) & Lynsey Muir (Sustainable Aquaculture and Innovation Centre)</i> Welcome and introducing session facilitator, Dr Hamish Rodger (PatoGen UK) & PKD occurrence, impacts, and research priorities (UK farmers perspective) <i>Andre Van (Kames Fish Farming Ltd, Scotland)</i> <i>Heike Schmidt-Posthaus (University of Bern, Switzerland)</i>	Organizers: <i>Prof. Francesca Carella, (University of Naples Federico II), Dr. Isabelle Arzul & Lydie Canier (EURL for Molluscs Diseases · European Union Reference Laboratory)</i> <i>Carella Francesca, (University of Naples Federico II, Italy)</i> Approaching the study of disease in wild bivalve populations: the case of the mediterranean bivalve <i>Pinna nobilis</i> (7104) <i>Jose Rafael García-March, (IMEDMAR-UCV Institute, Universidad Católica de Valencia, Spain)</i> The EU Life Projects on the mediterranean bivalve <i>Pinna nobilis</i>: a cumulative effort of marine pathologists, ecologists and geneticists to foster long-term conservation (7126) <i>Dusan Palic (LMU, Germany)</i> Introducing aquatic animal veterinary biosecurity practices in marine conservation actions: case of Noble Pen Shell (<i>Pinna nobilis</i>) (7101)
10:15	Genomic Characterization of Marine <i>Vibrio</i> Species for the Development of Novel Diagnostic Tools (7021) <i>Germain CHEVIGNON, IFREMER</i>		
10:30	Molecular serotyping of <i>Vibrio harveyi</i>: unveiling its genetic variability (7073) <i>Daniel GONZÁLEZ MARTÍN, EXOPOL S.L.</i>		
10:45	Stick It to <i>Lactococcus</i>: Development of a Point-of-Care Diagnostic Assay for Piscine Lactococcosis (7364) <i>Khalid SHAHIN, PHARMAQ ANALYTIC</i>		
11:00	Implementation of a Recombinase Polymerase Amplification-Driven Duplex Lateral Flow Diagnostic Kit for Concurrent Detecting Infectious Pancreatic Necrosis Virus and Viral Hemorrhagic Septicemia Virus: A Comparative Analysis of RPA and PCR Methods (6221) <i>Cüneyt TAMER, ONDOKUZ MAYIS UNIVERSITY</i>		

11:15	Validation of multi-target high-throughput qPCR for pathogen detection in salmonids (7114)	Stephen Atkinson & Sascha Hallet (Oregon State University, USA) Disease dynamics and parasite transmission in North American hosts	Isabel Arzul (Ifremer, France) Investigation of mortality events affecting <i>Mimachlamys varia</i> in France (7029)
	Juliane SØRENSEN, DTU AQUA		
11:30	Potential of eDNA approaches for the monitoring of marine bivalve parasites: example of the ROME project (7035)	Jason Holland (University of Aberdeen) & Astrid Holzer (University of Veterinary Medicine, Vienna, Austria) New developments in understanding fish-parasite interactions: links to antigen discovery and development of vaccine and diagnostic approaches	Eva Lewisch (University of Veterinary Medicine, Austria) The endangered freshwater mussel <i>Unio crassus</i>: an overview and investigation of a mortality event (7211)
	Isabelle ARZUL, IFREMER		
11:45	Refreshment Break, Exhibition, Poster Viewing		
	Theme: Diagnostics II (Chairs: Paul Midtlyng, Stephanie Linehan) Room: FESTOS	Workshop: Intracellular Pathogens Room: MINOAS	Theme: Bivalves and Crustacean Diseases I (Chairs: Lone Madsen, Harriet Birikorang) Room: ARIADNI
12:15	A Chip Tool for Non-invasive Detection of Disease-causing Organisms in Danish Fish Aquaculture (6944)	Organizers: Pantelis Katharios (HCMR) & Francesc Padrós (Universitat Autònoma de Barcelona) Speakers: Dr. Hamish Rodger (PATOGEN AS) Dr. Maria Chiara Cascarano (HCMR) Dr. Pantelis Katharios (HCMR) Dr. Francesc Padros (Universitat Autònoma de Barcelona) Pantelis Katharios (HCMR) Intracellular bacteria in fish diseases: a general overview and a particular focus love-hate story between bacteria and host cells. Hamish Rodger (PATOGEN AS) Piscirickettsia salmonis and related species: what we know and what is new in Europe Francesc Padros (Universitat Autònoma de Barcelona) RLO, midichlorians and other Star Wars stuff in red mark and other skin syndromes. Maria Chiara Cascarano (HCMR) Epitheliocystis in a nutshell: all you wanted to know	A single-nuclei atlas of whole Pacific oysters in response to OsHV-1 infection (7107)
	Moonika MARANA, UNIVERSITY OF COPENHAGEN		Pooran DEWARI, UNIVERSITY OF EDINBURGH
12:30	Beyond the stain: investigating Ziehl-Neelsen negative granulomas in fish and human skin using molecular diagnostics (7122)		Pacific oyster explants provide new controlled model to study OsHV-1 replication (7203)
	Elisabetta ANTUOFERMO, UNIVERSITY OF SASSARI		Aurelie DOTTO-MAUREL, IFREMER
12:45	Highlighting gill pathology – Better visualisation of an often complex picture (7333)		A new draft genome of the protozoan parasite <i>Bonamia ostreae</i>, a major pathogen of the flat oyster <i>Ostrea edulis</i> (7055)
	Kristoffer MOEN HANSEN, PATOGEN AS		Germain CHEVIGNON, IFREMER
13:00	3D Histopathology: Advancing Disease Detection in Aquaculture Through Tissue Clearing, Whole-fish Imaging and AI (7384)		Immune response of <i>Mytilus</i> sp. challenged with low-virulence and high-virulence isolates of <i>Francisella haliotica</i> (7230)

	<i>Christelle LANGEVIN, UNIVERSITÉ PARIS-SACLAY, INRAE</i>	Round table discussion	<i>Helene BOURAS, UNIVERSITY OF CAEN NORMANDY</i>
13:15	Camera-based reading of group ID with estimation of individual fish outcomes; an innovation for field trials in large-scale salmon net pens (7129)		Investigating the dynamics of parasites infecting <i>Magallana gigas</i> and closely associated invertebrates dominating oyster beds in the Gulf of Biscay (7152)
	<i>Paul J. MIDTLYNG, AQUAMEDIC AS</i>		<i>Ander URRUTIA, IFREMER</i>
13:30	Molecular Testing in Aquaculture: How to solve common and complex issues with microfluidic genomics		
	<i>Roberto SPADA STANDARD BIOTOOLS, INC.</i>		
13:30	Lunch, Exhibition & Poster Viewing		
	Theme: Immunology I (Chairs: Carla Piazzon, Jiri Kyslik) Room: FESTOS	Theme: Salmonid viral diseases I (Chair: Rodger Hamish, Alexander Figenschou) Room: MINOAS	Theme: Bivalves and Crustacean Diseases II (Chairs: Isabelle Arzul, Simone Pisano) Room: ARIADNI
14:30	Why aquaculture needs immunology (7335)	ISA disease management – a holistic approach using surveillance and epidemiological assessment (7213)	Cockle health in the UK: a case study for the implementation of holistic investigative approaches to explain complex mortalities and long-term population declines (7202)
	<i>Geert WIEGERTJES, WAGENINGEN UNIVERSITY</i>	<i>Sonal PATEL, NORWEGIAN VETERINARY INSTITUTE</i>	<i>Anna TIDY, CENTRE FOR THE ENVIRONMENT</i>
14:45	Testis during viral infections in common carp – not so immune privileged? (7366)	Analysis of virus replication and host responses induced following infection with different doses of heart homogenate (7252)	Ecological, genomic and virulence insights into <i>Vibrio aestuarianus cardii</i>: A pathogen of cockles (7100)
	<i>Mikolaj ADAMEK, UNIVERSITY OF VETERINARY MEDICINE HANNOVER</i>	<i>Amr GAMIL, NORWEGIAN UNIVERSITY OF LIFE SCIENCES</i>	<i>Carla HERNÁNDEZ-CABANYERO, UNIVERSITÉ DE MONTPELLIER, CNRS, IFREMER</i>
15:00	Effects of glucocorticoid receptor activation on gene expression and antiviral responses in Atlantic salmon red blood cells (7058)	Quantification of myocardial inflammation in salmon hearts using a machine learning model (7305)	Genomic and morphological characterisation of a novel iridovirus associated with cockle mortalities (7063)
	<i>Thomas TSOLIA, NORWEGIAN VETERINARY INSTITUTE; UIT THE ARCTIC UNIVERSITY OF NORWAY</i>	<i>Kai-Inge LIE, PHARMAQ ANALYTICS</i>	<i>Chantelle HOOPER, THE CENTRE FOR ENVIRONMENT, FISHERIES AND AQUACULTURE SCIENCE</i>

15:15	Vaccination modality and injection site influence the immune response and protection against sea lice <i>Lepeophtheirus salmonis</i> infestation in Atlantic salmon (<i>Salmo salar</i>) (7290)	Salmonid alphaviruses undergo genomic recombination at high frequencies during infection (7316)	Hematodinium perezii detection in blue crab (<i>Callinectes sapidus</i>) and its seasonal prevalence in northern Adriatic lagoons (7263)
	Elisabeth GISLEFOSS, NMBU	Turhan MARKUSSEN, NORWEGIAN UNIVERSITY OF LIFE SCIENCES	Tobia PRETTO, ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLE VENEZIE
15:30	Development of New Vaccines Against <i>T. finnmarkense</i> in Salmon in Norway (7174)	Infection with SAV2 and SAV3 results in differences in viral loads, pancreas disease progression, and growth impact – what are the mechanisms behind the differences? (7270)	Advanced computing and camera technology-based AI-powered probe for the real-time detection of shrimp diseases (7106)
	Tore SETERNES, UNIVERSITY OF TROMSØ	Fabian KROPP, NORWEGIAN UNIVERSITY OF LIFE SCIENCES	Shyam Kokkattunivarthil UTHAMAN, DENMARK TECHNICAL UNIVERSITY
15:45	Cross-reactivity of a monoclonal antibody against CD4-2 in gibel carp with lymphocytes from other cyprinids: common carp, grass carp and zebrafish (7004)	Dietary EPA and DHA boost viral disease resistance in Atlantic Salmon (<i>Salmo salar</i>) (7216)	Filling the gap: Starting to decrypt the genetic diversity of <i>Aphanomyces astaci</i> in Switzerland (7061)
	Terumi GOTO, TOKYO UNIVERSITY OF MARINE SCIENCE AND TECHNOLOGY	Jinny GU, BIOMAR AS	Eliane JEMMI, UNI BERN FIWI
16:00	Refreshment Break, Exhibition & Poster Viewing		
	Theme: Immunology II (Chairs: Geert Wiegertjes, Amrizal Fino Haniswita) Room: FESTOS	Theme: Salmonid viral diseases II (Chairs: Avendaño Herrera Ruben, Anna Luiza Farias Alencar) Room: MINOAS	Theme: Climate Change (Chair: Droubogiannis Stavros) Room: ARIADNI
16:30	Ancient Expansion of Teleost Fc Receptor-Like Genes Diversifies Antibody Effector Functions in Early Vertebrates (7196)	Creating a primary cell platform from CRISPR/Cas edited Atlantic salmon (<i>Salmo salar</i>) alevin tissue (6903)	Dams and reservoirs trigger temperature-dependent disease (7232)
	Jiří KYSLÍK, BIOLOGY CENTRE CZECH ACADEMY OF SCIENCE	Alexandra FLOREA, THE ROSLIN INSTITUTE	Anti VASEMÄGI, SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES
16:45	In silico characterization of the T cell receptor beta genes and locus structure in gilthead seabream (6928)	Cross-national genomic surveillance of viral pathogens to support disease control in Atlantic salmon aquaculture (7014)	Global Warming and Aquatic Vulnerability: Salmonid Mortality as an Indicator of Climate Stress (7142)
	Carla PIAZZON, IATS, CSIC	Bertie KNIGHT, UNIVERSITY OF EDINBURGH	Charlotte AXÉN, SWEDISH VETERINARY AGENCY

17:00	Role of European sea bass proteins in the course of betanodavirus infections (6942)	Holding Back the Tide of Aquatic Pathogens: How Virus Genomics Can Protect the Aquaculture Industry (7255)	Changing Waters, Changing Parasites: Temperature-driven Shifts in Myxozoan Life Cycles (7049)
	Patricia MORENO, UNIVERSITY OF MALAGA	Mingli ZHAO, ROYAL VETERINARY UK COLLEGE	Hella L. SCHWEGLER, UNIVERSITY OF VETERINARY MEDICINE
17:15	In cold water: impacts of acute cold-stress and Vibrio harveyi challenge on the microRNA and mRNA response of barramundi (Lates calcarifer) (6892)	Italian IHNV low and highly pathogenic to rainbow trout displays different infection strategies (7178)	Impact of global warming on host/pathogen interactions in a Novirhabdovirus / Rainbow trout (Oncorhynchus mykiss) model (7057)
	Roisin SULLIVAN, THE UNIVERSITY OF SYDNEY,	Andrea MARSELLA, IZSVE	Elise GOURHANNIC, INRAE
17:30	Cell classification and characterization of gill-epithelial antigen sampling cell population based on gene expression patterns in rainbow trout (6917)	Occurrence of persistence of infectious hematopoietic necrosis virus in rainbow trout surviving in experimental infection (7115)	Clinical presentation and pathological effects of a hydrozoan bloom on farmed atlantic salmon (7239)
	Nagisa SAITO, TOKYO UNIVERSITY OF MARINE SCIENCE AND TECHNOLOGY	Joseph Carlo VERGEL, TOKYO UNIVERSITY OF MARINE SCIENCE AND TECHNOLOGY	Angelico MADARO, INSTITUTE OF MARINE RESEARCH
17:45	Atlantic salmon trim25 is virus-inducible and protects Salmon Head Kidney cells from ISAV infection (6857)	Diverse lineages of Piscine orthoreovirus (PRV) in Icelandic salmonids (7154)	
	Rob STEWART, THE UNIVERSITY OF EDINBURGH	Marina DE LA CÁMARA, INSTITUTE FOR EXPERIMENTAL PATHOLOGY AT KELDUR	
18:00	Toll-like receptor 3 function in a chinook salmon Oncorhynchus tshawytscha salmonid cell line (6371)	Experimental infection of rainbow trout with Piscine orthoreovirus 2 (PRV-2) (7119)	
	Bertrand COLLET, INRAE	Niccoló VENDRAMIN, DTU AQUA	
18:15	Day 2 Close		

WEDNESDAY 03/09			
08:30	Registration		
09:00	KEYNOTE: Nikos Papandroulakis <i>Hellenic Centre for Marine Research</i> Mediterranean Aquaculture in a New Era of Challenges. Digital Transformation and Precision Fish Farming Room KNOSSOS		
	Theme: Vaccines I <i>(Chairs: Tomas Korytar, Andre Giovanni)</i> Room: FESTOS	Workshop: Nodavirus in wild fish Room: MINOAS	Theme: Immunostimulants, Prebiotics and Probiotics <i>(Chairs: Elena Gkolomazou, Alexander Dindial)</i> Room: ARIADNI
10:00	Bioengineered outer membrane vesicles as a platform for producing multivalent fish vaccines (7010) <i>Inês LOUREIRO, I3S–INSTITUTE FOR RESEARCH AND INNOVATION IN HEALTH</i>	Organizers: <i>Dr. Anna Toffan (IZSVe)</i> <i>Dr. Pantelis Katharios (HCMR)</i> <i>Mylonas C. (HCMR, IMBBC, Heraklion, Greece)</i> Dusky grouper (Epinephelus marginatus) reproductive biology	Dietary administration of the host defense peptide piscidin 1 modulates immunity and improve fillet quality in gilthead seabream (<i>Sparus aurata</i>) (6896) <i>Claudia MARIN-PARRA, UNIVERSITY OF MURCIA</i>
	Subunit vaccine development for prevention of Tenacibaculosis in Atlantic salmon (7269) <i>Christian KARSLEN, NOFIMA AS</i>		Dietary administration of Shewanella putrefaciens Pdp11 extracts modulates gene expression of RGNNV-infected European sea bass (6992) <i>Esther GARCIA-ROSADO, UNIVERSITY OF MALAGA</i>
10:30	A Method for Developing a pH-Responsive Chitosan–Alginate Encapsulated Oral Vaccine Against Streptococcus iniae in Barramundi (<i>Lates calcarifer</i>) (7267) <i>Lam TRAN, SCHOOL OF THE ENVIRONMENTS, THE UNIVERSITY OF QUEENSLAND</i>	<i>Toffan A. (WOAH Reference Laboratory for Viral Encephalo-retinopathy, IZSVe, Legnaro (PD), Italy)</i> Wild fish VNN mortality in Italy and Greece in 2024 <i>Katharios P. (HCMR, IMBBC, Heraklion, Greece)</i>	Effects of Torenia concolor on immune regulation and resistance to megalocytivirus in barramundi (<i>Lates calcarifer</i>) (7151) <i>Zhe-Li LIN, NATIONAL TAIWAN UNIVERSITY</i>
	Development of oral vaccines for aquaculture using spore-display technology (7236) <i>Claudia SERRA, CIIMAR-UP</i>		Extracellular vesicles secreted by <i>Pediococcus pentosaceus</i> exhibited the resistance to megalocytivirus in barramundi kidney cell line (7137) <i>Yi-Ting GUO, NATIONAL TAIWAN UNIVERSITY</i>
11:00	Development of an mRNA-lipid nanoparticle vaccine against infectious salmon anemia (7002)	Tracking Grouper mortality through citizen engagement in coastal Greece Plenary discussion	Dietary Supplementation with <i>Euglena gracilis</i> Enhances Mucosal Immune Responses in Fish (7348)

	Lars Ole DAHL, NORWEGIAN UNIVERSITY OF LIFE SCIENCES		Marcia SARAIVA, CIIMAR
11:15	Increasing the immunogenicity of a salmon louse labial gland protein in a DNA vaccine (6953)		Evaluating the Dietary Inclusion of a Thymol-based Blend to Modulate Resistance and Survival Against Yersinia Ruckeri in Rainbow Trout (7436)
	Aina-Cathrine ØVERGÅRD, UNIVERSITY OF BERGEN		Fabio SABBADIN ZANUZZO, ONDA
11:30	Barley as a production platform for oral vaccines in sustainable fish aquaculture (7370)		The effects of oral Lactobacillus delbrueckii and Lactocaseibacillus rhamnosus supplement on the pharmacokinetics of florfenicol in Nile tilapia (Oreochromis niloticus): implications on reduced therapeutic efficacy (6927)
	Tomas KORYTAR, BIOLOGY CENTRE CAS		Chi-Chung CHOU, NATIONAL CHUNG HSING UNIVERSITY
11:45	Refreshment Break, Exhibition, Poster Viewing		
	Theme: Vaccines II (Chairs: Jason Holland, Emily Churchman) Room: FESTOS	Theme: Sea lice (Chairs: Aine-Catherine Overgard, Nanna Kristine Ringstad) Room: MINOAS	Theme: Genomic Approaches to Fish Pathology (Chairs: Gema Alama-Bermejo, Natascha Bartsch) Room: ARIADNI
12:15	Efficacy of an autogenous vaccine against <i>Tenacibaculum maritimum</i> in European Sea bass (<i>Dicentrarchus labrax</i>) (7206)	Prime-boost vaccination with recombinant lice antigens confers protection against experimental <i>Lepeophtheirus salmonis</i> infestation in Atlantic salmon (<i>Salmo salar</i> L.) (7249)	Single-nuclei RNA Sequencing Reveals the Underpinnings of the Variation in Sea Lice Resistance Among Host Salmonid Species (7365)
	Ivana Giovanna ZUPIČIĆ, CROATIAN VETERINARY INSTITUTE	Koestan GADAN, NMBU	Sarah J. SALISBURY, UNIVERSITY OF EXETER
12:30	Oral delivery of bioencapsulated virus-like particles confers effective protection against nervous necrosis virus in farmed fish (6918)	Investigation of proteins identified in the secretory and excretory products (SEPs) of the infectious copepodid stage of the salmon louse <i>Lepeophtheirus salmonis</i> (7244)	Whole Genome Sequencing Reveals Genomic Characteristics of the Croatian <i>Tenacibaculum maritimum</i> Strains (7173)
	Mookkan PRABAKARAN, NATIONAL UNIVERSITY OF SINGAPORE	Alexander DINDIAL, UNIVERSITY OF STIRLING	Dorotea GRBIN, CROATIAN VETERINARY INSTITUTE
12:45	Efficacy of Different Vaccine Administration Strategies Against North American and European Genotypes of Infectious Salmon Anemia	Shedding light on the frontal filament structure and composition of <i>Lepeophtheirus salmonis</i> (7023)	Genomic characterization of Salmon Gill Pox virus in Iceland (7234)

	Virus (Isav) in Atlantic Salmon (<i>Salmo Salar</i> L.) (7344)		
	<i>Ane Sandtrø LUNHEIM, ZOETIS</i>	<i>Virginie COMORGE, UNIVERSITY OF BERGEN</i>	<i>Heida SIGURÐARDÓTTIR, INSTITUTE FOR EXPERIMENTAL PATHOLOGY AT KELDUR</i>
13:00	Introducing vaccines to new markets (7141)	Evaluating the Immune Response of Atlantic Salmon, <i>Salmo salar</i>, Coinfected with Viral (Piscine orthoreovirus and Piscine myocarditis virus) and Parasitic Pathogens (Sea Lice – <i>Lepeophtheirus salmonis</i>) (7434)	In silico analyses of the <i>Phocoenobacter atlanticus</i> subspecies <i>atlanticus</i> subsp. nov. genome- insight into virulence factors (7171)
	<i>Rajan BINOY PHARMAQ AS</i>	<i>Fabio SABBADIN ZANUZZO, ONDA</i>	<i>Rebecca ELLUL, UNIVERSITY OF BERGEN</i>
13:15	Antiviral protection in the Pacific oyster <i>Crassostrea (Magallana) gigas</i> against OsHV-1 infection using UV-inactivated virus (6967)	Temporal changes in the microbiome of Salmon lice (<i>Lepeophtheirus salmonis</i>): Detection of potential salmonid pathogens (7102)	
	<i>Benjamin MORGA, IFREMER</i>	<i>Bela KLIMESOVA, ATLANTIC TECHNOLOGICAL UNIVERSITY</i>	
13:30	Lunch, Exhibition & Poster Viewing		
	Theme: Vaccines III (Chairs: <i>Adamek Mikolaj, Hara Tselepidaki</i>) Room: <i>FESTOS</i>	Workshop: Mediterranean Fish Health Room: <i>MINOAS</i>	Theme: Aquatic Animal Epidemiology (Chairs: <i>Bang Jensen, Sollien Gåsnes Siri</i>) Room: <i>ARIADNI</i>
14:30	Field safety and efficacy of a new <i>Moritella viscosa</i> vaccine for Atlantic salmon tested in large scale GCP field studies in Norway (7044)	Organizers: <i>Snježana Zrnčić (Croatian Veterinary Institute)</i> <i>Francesc Padrós (Universitat Autònoma de Barcelona), Pantelis Katharios (HCMR)</i> <i>Alain Le Breton (Vet'Eau)</i> <i>Anna Toffan (IZSve)</i> <i>Niccolò Vendramin (DTU-Aqua & Andrea Marsella, IZSve)</i> Overview of Infectious Health Challenges in Mediterranean Aquaculture – <i>Luana Cortinovis (IZSve)</i> Lactococcosis in Mediterranean finfish mariculture <i>Pantelis Katharios (HCMR)</i>	How to define epidemiological areas for surveillance of notifiable mollusc diseases – an example from Denmark (7359)
	<i>Monica GAUSDAL TINGBØ, PHARMAQ PART OF ZOETIS</i>		<i>Britt BANG JENSEN, DTU AQUA</i>
14:45	<i>Yersinia ruckeri</i> in Canada: isolate characterization, vaccine safety and challenge studies (6935)		Gill Microbiome as a Sentinel for Wild Fish Health and Pathogen Surveillance Across Marine Ecosystems (7184)
	<i>Ane SANDTRØ, ZOETIS CANADA</i>		<i>Danny MORICK, THE UNIVERSITY OF HAIFA</i>
15:00	Serotyping of Norwegian and Scottish <i>Yersinia ruckeri</i> strains – antibody-based methods for O-serotyping 7053		Common issues in reporting parasitic diseases in farmed fish (6283)
	<i>Monica GAUSDAL TINGBØ, PHARMAQ PART OF ZOETIS</i>		<i>Barbara NOWAK, UNIVERSITY OF TASMANIA</i>

15:15	Experience with the use of a live attenuated vaccine against SRS (6943)	A genomic look at Aeromonas veronii in the Mediterranean Alain LeBreton (Vet'Eau) Autogenous vaccines application in Mediterranean Aquaculture: Challenges and opportunities	A retrospective study of adverse welfare effects of handling farmed salmonids when treated for ectoparasites at sea evaluated by a Delphi panel (7357)
	Marius KARLSEN, PHARMAQ		Hogne BLEIE, MALLARD AS
15:30	Enhancing Immune Protection in Threadfin Fish: A Recombinant Subunit C5a Peptidase Vaccine Combining Formalin-Killed Streptococcus iniae Cells (6930)	Marco Galleoti (UNIUD) MARINET Progressive Web Application (PWA) – Innovative tools for risk management	Evaluating the performance of the surveillance for pancreas disease in Norwegian salmonid farming (6820)
	Andre GIOVANNI, INTERN. PROGRAM OF ORNAMENTAL FISH TECHNOLOGY AND AQUATIC ANIMAL HEALTH, INTERNATIONAL COLLEGE	Maurice Glucksman (UCL Centre for advanced spatial analysis, THALASSA Limited) Using Digital Twins to Prioritise Adoption of Innovations in Mediterranean Fish Farms	Victor H. S. OLIVEIRA, NORWEGIAN VETERINARY INSTITUTE
15:45		“Live voting” based on survey results, highlighting key topics related to disease and biosecurity that were raised during the SIPI-EAFP meeting in Cesenatico, 2024. Discussion	Epidemiological Monitoring of Infectious Hematopoietic Necrosis Virus in Rainbow Trout Fry and Broodstock in a Facility for 5 Years (7096)
			Chaw SU THIN, TOKYO UNIVERSITY OF MARINE SCIENCE AND TECHNOLOGY
16:00	Refreshment Break, Exhibition, Poster Viewing		
	Theme: Parasitic Diseases (Chairs: Ariadna Sitja Bobadilla, Graciela Colunga) Room: FESTOS	Theme: Gill Diseases (Chairs: Heike Schmidt-Posthaus, Maria Chiara Cascarano) Room: MINOAS	Theme: Nutrition and Fish Health (Stavros Droubogiannis) Room: ARIADNI
16:30	Distribution and abundance of fish parasites in environmental water samples before a major river restoration event (7367)	Gene expression in the gills of freshwater Atlantic salmon affected by epitheliocystis (6855)	Revolutionizing Farmed Fish Health Surveillance with non-invasive Multiomics Biomarkers (7346)
	Stephen ATKINSON, OREGON STATE UNIVERSITY	Barbara NOWAK, UNIVERSITY OF TASMANIA	Cláudia RAPOSO DE MAGALHÃES, SPAROS, LDA/RIASEARCH, LDA
16:45	Myxobolus cerebralis discovered in cartilage of ribs in wild Atlantic salmon Salmo salar and brown trout Salmo trutta in Norway (7059)	Effects of particle load in recirculating aquaculture systems on Atlantic salmon health (7243)	Role of methionine supplementation in immune modulation and resistance of Atlantic salmon (Salmo salar) to Salmon Louse (Lepeophtheirus salmonis) (7164)

	<i>Toni ERKINHARJU,</i> NORWEGIAN VETERINARY INSTITUTE	<i>Mark POWELL,</i> UNIVERSITY OF ST. ANDREWS / RESURGAM CONSULTING AND MEDIA	<i>Mariana VAZ,</i> CENTRO INTERDISCIPLINAR DE INVESTIGAÇÃO MARINHA E AMBIENTAL (CIIMAR), UNIVERSITY OF PORTO
17:00	Fighting Gill Polyopisthocotyleans in Gilthead Seabream (<i>Sparus Aurata</i>): Screening Pharmacological, Phytogenics and Essential Oils for Candidate Treatments (7304)	The impact of louse barriers on Atlantic salmon (<i>Salmo salar</i>) gill health (7042)	Time-dependent effects of dietary methionine supplementation on immune status and antioxidant defenses in European seabass (<i>Dicentrarchus labrax</i>) (7138)
	<i>Ana M. LEÓN,</i> IATS-CSIC	<i>Jade SUTTON,</i> UNIVERSITY OF SYDNEY	<i>Inês CARVALHO,</i> CIIMAR/ICBAS
17:15	In vivo evaluation of a diet enriched with plant-based essential oils against <i>Sparicotyle chrysophrii</i> (7283)	Assessment of gill health in exposed aquaculture (7331)	Effects of a fucoidan-containing functional feed on immune response of Atlantic salmon challenged with <i>Tenacibaculum dicentrarchi</i> (7168)
	<i>Teresa PIROLLO,</i> UNIVERSITY OF BOLOGNA	<i>Julie SEEM,</i> NORDLAKE HAVBRUK AS	<i>Monica IMARAI,</i> UNIVERSIDAD DE SANTIAGO DE CHILE
17:30	Exploring the antiparasitic potential of black soldier fly (BSFL)-based preparations for the treatment of <i>Gyrodactylus turnbulli</i>, a monogenean parasite (7188)	String Jellyfish <i>Apolectes</i> spp. (Most Likely <i>A. uvaria</i>) Causes Serious Tissue Damage in Farmed Fish (7155)	Development of good practice guidelines for on-farm production of antibiotic-coated feed in aquaculture (7031)
	<i>Jawaji ARUNYOTHI,</i> BEN-GURION UNIVERSITY OF THE NEGEV	<i>Marta ALARCÓN,</i> PHARMAQ ANALYTIC	<i>Calvez SÉGOLÈNE,</i> ONIRIS, INRAE
17:45	Fundamental research toward the development of control measures against trematode whirling disease in marine fish (7120)	In vivo challenges with <i>Apolectes</i> sp. and Atlantic salmon (<i>Salmo salar</i>) (6978)	Multiple regulatory mechanisms of a dietary phytobiotic additive to support fish skin health (6961)
	<i>Daiki TAKEUCHI,</i> KINDAI UNIVERSITY	<i>Hamish RODGER,</i> PATOGEN AS	<i>I-Tung CHEN,</i> ADISSEO FRANCE SAS
18:00	Biocontrol strategy to reduce skin fluke infections by targeting the parasite's pre-infection stages (6929)	Treatment Strategies for Nodular Gill Disease: Insights from Swiss Rainbow trout (<i>Oncorhynchus mykiss</i>) Aquaculture (6979)	Written in kidney stones: The effect of diet and carbon dioxide on nephrocalcinosis development (6695)
	<i>Sho SHIRAKASHI,</i> KINDAI UNIVERSITY	<i>Stefania VANNETTI,</i> UNIVERSITY BERN	<i>Julia MULLINS,</i> SKRETTING AQUACULTURE INNOVATION
18:15	Zoonotic trematodes in cyprinids from lakes in the Berlin area, Germany (7153)	Emergence of serotype III in <i>Miamiensis avidus</i>: molecular identification and virulence in olive flounder (7297)	Soaking up the sun: Vitamin D3 production in Atlantic salmon (6696)
	<i>Klaus KNOPF,</i> LEIBNIZ INSTITUTE OF FRESHWATER ECOLOGY AND INLAND FISHERIES	<i>Jung SUNG-JU</i> COONNAM NATIONAL UNIVERSITY, SOUTH KOREA	<i>Julia MULLINS,</i> SKRETTING AQUACULTURE INNOVATION

18:30		Phylogenetic reconstruction of Paramoebidae brings into question the validity of the genus Neoparamoeba (7295)	
		Sarah DAGEN SRUC, UNITED KINGDOM	
18:30	Day 3 Close		
THURSDAY 04/09			
08:30	Registration		
09:00	KEYNOTE: Sandrine Baron French Agency for Food, Environmental and Occupational Health & Safety (ANSES) Antimicrobial resistance in aquatic environment and freshwater fishfarm Room KNOSSOS		
	Workshop: WS- EURCAW-Aqua <i>Room: FESTOS</i>	Theme: Antimicrobial Resistance <i>(Chairs: George Rigos, Adriana Triga)</i> <i>Room: MINOAS</i>	Theme: Myxozoa I <i>(Chairs: Jerri Bartholomew, Bhattacharya Deepam)</i> <i>Room: ARIADNI</i>
10:00	Organizers: <i>Michail Pavlidis, coordinator, (University of Crete)</i> <i>Ivona Mladineo (Biology Centre Czech Academy of Sciences)</i> <i>Frances Padrós Bover, (Universita Autònoma de Barcelona)</i> <i>Athanasios Samaras (University of Crete)</i>	Bacteriophage-based prophylactic measures against Flavobacterium psychrophilum in rainbow trout: effects on the pathogen and in the host (7309) <i>Chiara CIALINI, TECHNICAL UNIVERSITY OF DENMARK</i>	Walking a fine line: comparative time-series transcriptomics of low virulence Ceratonoa shasta genotype 0 in sympatric and allopatric rainbow trout (7172) <i>Gema ALAMA BERMEJO, UNIVERSITY OF VETERINARY MEDICINE</i>
10:15	Towards the development of a welfare assessment scheme for European sea bass <i>Tereza Křesalová (Institute of Parasitology, Biology Centre Czech Academy of Sciences)</i>	Vibrio parahaemolyticus – A vehicle for the spread of hidden carbapenemase resistance plasmids to enterobacteria? (7022) <i>Jens Andre HAMMERL, GERMAN FEDERAL INSTITUTE FOR RISK ASSESSMENT</i>	Intron-exon dynamics and splicing mechanisms in myxozoa: insights from long-read sequencing (6907) <i>Dorothee HUCHON, TEL AVIV UNIVERSITY</i>
10:30	Following the carp clause: Common carp (Cyprinus carpio) welfare status in the Czech Republic and Germany within the EU regulatory framework N	Molecular Trade-offs of Phage Resistance in Vibrio harveyi: Insights from transcriptomic profiling (7000) <i>Stavros DROUBOGIANNIS, UNIVERSITY OF CRETE</i>	Rapid evolution and lineage-specific gene gain in myxozoans: The genome of the blood parasite Sphaerospora molnari (7200) <i>Astrid S. HOLZER, UNIVERSITY OF VETERINARY MEDICINE</i>

10:45		Antibiotic-Driven Evolution and Fitness Trade-Offs in <i>Vibrio harveyi</i> (6938)	Heme biosynthesis and hemoglobin degradation in the myxozoan parasite <i>Sphaerospora molnari</i> (7110)
		<i>Adriana TRIGA, HELLENIC CENTRE FOR MARINE RESEARCH</i>	<i>Pavla BARTOŠOVÁ-SOJKOVÁ, BIOLOGY CENTRE, CZECH ACADEMY OF SCIENCES</i>
11:00		Antimicrobial Use in Aquatic Animals: Results from the 9th Round of WOA's Global Data Collection (6870)	Enteromyxum in the spotlight: decoding pathogenesis, resistance, and control (7302)
		<i>Dante MATEO, WORLD ORGANIZATION FOR ANIMAL HEALTH</i>	<i>Ariadna SITJÀ-BOBADILLA, IATS-CSIC</i>
11:15		Implementation of antimicrobial resistance surveillance in farmed aquatic animals: The UK example. (6295)	Unveiling the Life Cycle of <i>P. pseudobranchicola</i>: Insights from the ParviLife Project (7336)
		<i>Athina PAPADOPOULOU, CEFAS</i>	<i>Ásthildur ERLINGSDÓTTIR, INST. FOR EXP. PATHOLOGY UI AT KELDUR</i>
11:30		Tracking trouble: sources, persistence, and risk factors of antimicrobial-resistant <i>Escherichia</i> spp in freshwater fish farms of north-west france (6888)	PKD Beyond Trout: Investigating Minnows as Potential Alternative Intermediate Hosts for <i>Tetracapsuloides bryosalmonae</i> (7038)
		<i>Sarah OCHOA, ONIRIS, INRAE</i>	<i>Céline MÖCKLI, FIWI VETSUISSE</i>
11:45	Refreshment Break, Exhibition, Poster Viewing		
	Theme: Aquatic Animal Health (Chairs: Evgenia Gourzioti, Olivia Harmon) Room: FESTOS	Theme: Aquatic Veterinary Education (Chairs: Francesc Padros) Room: MINOAS	Theme: Myxozoa II (Chairs: Ivan Fiala, Lisa King Wolf) Room: ARIADNI
12:15	Aquaculture in global efforts to mitigate antimicrobial resistance (AMR) (7423)	Strengthening the Aquaculture Veterinary Workforce by Identifying Core Competencies Needed and Providing Targeted Training Workshops (6890)	Tracking Parasite Diversity in a Polluted Freshwater Ecosystem (7286)
	<i>Andrew DESBOIS, UNIVERSITY OF STIRLING</i>	<i>Myron KEBUS, MICHIGAN STATE UNIVERSITY</i>	<i>Monika BÜRGEROVÁ, UNIVERSITY OF SOUTH BOHEMIA</i>
12:30	The Norwegian Fish Health Report (7193)	20,000 Leagues (or 15 years) under the water: a successful journey of the European College of Aquatic Animal Health (ECAAH) towards recognition of the veterinary specialty (6972)	eDNA metabarcoding reveals effects of intensive aquaculture on aquatic parasite diversity (7223)

	<i>Torfinn MOLDAL, NORWEGIAN VETERINARY INSTITUTE</i>	<i>Francesc PADRÓS, UNIVERSITAT AUTÒNOMA DE BARCELONA</i>	<i>Ivan FIALA, BIOLOGY CENTRE CAS, CESKE BUDEJOVICE, CZECH REPUBLIC</i>
12:45	Optimized methods for water-based pathogen detection in aquaculture systems (6849)	Motivating systematic learning: evaluation of a points-based activity system in fish diseases education (7045)	Simultaneous detection and quantification of fish parasites and invertebrate hosts in riverine systems using environmental DNA (7258)
	<i>Ottavia BENEDICENTI, NORWEGIAN VETERINARY INSTITUTE</i>	<i>Joanna PAJDAK-CZAUS, UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN</i>	<i>Florian MELZER, UNIVERSITY OF NOTTINGHAM</i>
13:00	Effect of fallowing and other biosecurity measures on bacterial and viral pathogens in a controlled RAS experiment with Atlantic salmon (7134)	Teaching about fish at veterinary schools in France (7034)	Exploring natural protective immunity against <i>Tetracapsuloides bryosalmonae</i> in Rainbow Trout Aquaculture (7127)
	<i>Duncan COLQUHOUN, NORWEGIAN VETERINARY INSTITUTE</i>	<i>Calvez SÉGOLÈNE, ONIRIS, INRAE</i>	<i>Lisa KING WOLF, UNIVERSITY OF NOTTINGHAM</i>
13:15	The effect of photoperiod stimulation in smoltification on salmon health and production, a common garden lifetime study (7099)	BIOAQUA Cost project “enhancing knowledge of biomolecular solutions for the well-being of European aquaculture sector”: opportunities for young researchers (7231)	The North American strain of <i>Tetracapsuloides bryosalmonae</i> utilises the salmonid <i>Oncorhynchus mykiss</i> and bryozoan <i>Fredericella indica</i> (7369)
	<i>Alexander FIGENSCHOU, NORWEGIAN UNIVERSITY OF LIFE SCIENCES</i>	<i>Andrea MARSELLA, IZSVE</i>	<i>Sascha HALLETT, OREGON STATE UNIVERSITY</i>
13:30	The influence of environmental conditions on wound healing in Atlantic salmon (7194)	Teaching Aquatic Animal Medicine in a virtual partnership (7376)	Harnessing biological novelty to develop therapeutics for the control of proliferative kidney disease in farmed salmonids (7327)
	<i>Tina OLDHAM, INSTITUTE OF MARINE RESEARCH NORWAY</i>	<i>Bartolomeo GORGOLIONE, MICHIGAN STATE UNIVERSITY</i>	<i>JW HOLLAND, UNIVERSITY OF ABERDEEN</i>
13:45		Continuing education must drive food security for all (7140)	
		<i>Alain LE BRETON, VET'EAU - SELARL DU DR ALAIN LE BRETON</i>	
13:45	Lunch, Exhibition & Poster Viewing		
14:45	EAFP General Assembly		
16:30	Close		
19:30	Transportation to Arolithos Village for the Gala Dinner (pick up from the conference venue)		

FRIDAY 05/09

Study Tour (pre-booking is required)

POSTER LIST

Viral diseases

Nr		Title	Authors	Presenter
P1	7183	Massive groupers die off due to Viral Nervous Necrosis and heatwave in Greece and Italy during 2024	TOFFAN ANNA*, ABBADI MIRIAM, PRETTO TOBIA, MARSELLA ANDREA, BIASINI LORENA, TERLIZZI ANTONIO, DI NOCERA FABIO, IARIA CARMELO, PERISTERAKI NOTA, PETIHAKIS GEORGE, STAMATAKI NATALIA, KATHARIOS PANTELIS	TOFFAN ANNA (ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLE VENEZIE), ITALY
P2	7176	Preliminary results on investigation of vertical transmission of Betanodavirus in Sparus aurata	PASCOLI FRANCESCO*, BERTO PAOLA, BIASINI LORENA, BURATIN ALESSANDRA, MARSELLA ANDREA, TOFFAN ANNA	PASCOLI FRANCESCO (IZSVE), ITALY
P3	6920	Early juvenile ayu can survive in Plecoglossus altivelis poxvirus infection and acquire immunity	BABA SHUNTARO*, MORI TATSUYA, TAKAGI YUYA, WADA SHINPEI, MATSUMOTO MEGUMI, KATO GOSHI, SANO MOTOHIKO	BABA SHUNTARO (TOKYO UNIVERSITY OF MARINE SCIENCE AND TECHNOLOGY, TOKYO, JAPAN)
P4	7224	Betanodavirus infection in mullet (Mugil cephalus) in Mediterranean Sea, Italy	CIULLI SARA*, LOI BARBARA, ERRANI FRANCESCA, VALLAINC DARIO, BEZZI CLAUDIA, CONCU DANILO, CARBONI STEFANO, VOLPE ENRICO	CIULLI SARA (DEPARTMENT OF VETERINARY MEDICAL SCIENCES, UNIVERSITY OF BOLOGNA, CESENATICO, ITALY)
P5	7180	Viral Nervous Necrosis outbreak affecting different grouper species in the Azorean archipelago	TOFFAN ANNA*, MARSELLA ANDREA, ABBADI MIRIAM, PRETTO TOBIA, SILVA L., ROSA J., NOVOA-PABONN A. A., GOMES INES, AFONSO PEDRO	TOFFAN ANNA (ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLE VENEZIE), ITALY
P6	6267	Evolution of an Extended Pathogenicity Motif in VP2 of Infectious Pancreatic Necrosis Virus Isolates from Farmed Rainbow Trout in Turkey	KURUCAY HANNE NUR*, TAMER CUNEY, ULRICH KRISTINA, DI PAOLA NICHOLAS, ALBAYRAK HARUN, WEIDMANN MANFRED	KURUCAY HANNE NUR (ONDOKUZ MAYIS UNIVERSITY, TURKEY)
P7	7199	Decay of Infectious Salmon Anemia Virus (ISAV) infectivity in raw seawater	KANNIMUTHU DHAMOTHARAN*, ROH HYEONGJIN, MORTON H. CRAIG, SKAFTNESMO KAI OVE, D. PEÑARANDA MA. MICHELLE, FRØYSA HÅVARD GULDBRANDSEN, SÆVIK PÅL NÆVERLID, GROVE SØREN	KANNIMUTHU DHAMOTHARAN (HAVFORSKNINGSINSTITUTTET, NORWAY)
P8	6969	Withdrawn		
P9	7181	PRV3 in Italy: results from a local surveillance study	DRZEWNIOKOVA PETRA, LUCON XICCATO ROMY, CASAROTTO CLAUDIA, FERRE' NICOLA, MAZZUCATO MATTEO, TOSON MARICA, TOFFAN ANNA*	TOFFAN ANNA (ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLE VENEZIE, ITALY)

P10	7091	Regulatory Mechanism of Protein Kinase R in Giant Grouper and Interaction with Nervous Necrosis Virus (NNV)	TZONG-YUEH CHEN*, SIH-SHIEN LEE	TZONG-YUEH CHEN (NATIONAL CHENG KUNG UNIVERSITY, TAIWAN)
P11	6893	Susceptibility of European sea bass and gilthead seabream brain cell lines to NNV infection	CUESTA ALBERTO*, HERNÁNDEZ-SENDRA ANA C.	CUESTA ALBERTO (UNIVERSIDAD MURCIA, SPAIN)
P12	6287	Tilapia Lake virus induces mitochondrial disruption and apoptotic cell death in E-11 cells	LERTWANAKARN TUCHAKORN*, SURACHETPONG WIN	LERTWANAKARN TUCHAKORN (DEPARTMENT OF PHYSIOLOGY, FACULTY OF VETERINARY MEDICINE, KASETSART UNIVERSITY, BANGKOK, THAILAND)
P13	7278	Molecular Cloning and Characterization of C-X-C motif chemokine-11 (CXCL11) from seven-band grouper (Hyporhamphus intermedius)	LIM CHAE-WON*, JUNG JAE-EUN, SEO JEONG-MIN, PARK JI-HWAN, JEON SO-YEON, LEE SONG-YI, OH MYUNG-JOO, KIM JONG-OH	LIM CHAE-WON (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)
P14	7342	Development of a Real-Time Recombinant Polymerase Amplification (RPA) assay for the sensitive, rapid detection of Spring Viremia of Carp Virus (SVCV)	JONES CHARLIE*, HONG LIU, SUN JIE, SAVAGE JACQUELINE, CANO-CEJAS IRENE	JONES CHARLIE (CEFAS, UNITED KINGDOM)
P15	7133	Influence of temperature on the course of SVCV infection in carp	PIAČKOVÁ VERONIKA*, SEBASTIAN ANJU, ADAMEK MIKOLAJ, MIČUCHOVÁ ALŽBĚTA, FRÉBORT IVO, KYSLÍK JIŘÍ, KORYTÁŘ TOMÁŠ	PIAČKOVÁ VERONIKA (UNIVERSITY OF SOUTH BOHEMIA IN ČESKÉ BUDĚJOVICE, CZECH REPUBLIC)
P16	6874	Synthetic peptides prevent red grouper nervous necrosis virus absorption improving survival after infection in European sea bass	CUESTA ALBERTO*, FERNÁNDEZ-HERNÁNDEZ FRANCISCO J., HERNÁNDEZ-SENDRA ANA C., CÁRDENAS CONSTANZA, GUZMÁN FANNY, VALERO YULEMA	CUESTA ALBERTO (UNIVERSIDAD MURCIA, SPAIN)
P17	7363	Invasive Asian carp as potential reservoirs for emerging viral pathogens in the Great Lakes watershed	LAMICHHANE SANTOSH*, WIDLOE JUSTIN, FUSIANTO CAHYA K., ZUPIČIĆ IVANA GIOVANNA, GORGOGNONE BARTOLOMEO	LAMICHHANE SANTOSH (FISH PATHOBIOLOGY AND IMMUNOLOGY LABORATORY, COLLEGE OF VETERINARY MEDICINE, MICHIGAN STATE UNIVERSITY, EAST LANSING, MI, USA)

P18	7222	Complete Genome Analysis of a Novel Lymphocystivirus Originating from Orbicular Batfish (<i>Platax orbicularis</i>)	MITRÓ GERGŐ*, HOITSY MÁRTON, DOSZPOLY ANDOR	MITRÓ GERGŐ (HUNREN VETERINARY MEDICAL RESEARCH INSTITUTE, HUNGARY)
P19	7212	Outbreaks of Infection Haemopoietic Necrosis (IHN) in Denmark	CUENCA ARGELIA*, VENDRAMIN NICCOLÒ, OLESEN NIELS JØRGEN	CUENCA ARGELIA (DTU AQUA, DENMARK)
P20	7090	A Chlorella Virus Surrogate System for High-Throughput Screening of Antiviral Agents Against DNA Viruses	JANG SUJIN, JANG SUJIN*, KIM SU YEON, SHIN JIWOO, CHOI TAE-JIN, AHN HEEJIN, SUNG MIN-KWAN, JO SO HYEON	JANG SUJIN (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)
P21	6921	The infection dynamics and immune response of the causative poxvirus in the course of the development of atypical cellular gill disease in ayu <i>Plecoglossus altivelis</i>	BABA SHUNTARO*, MORI TATSUYA, TAKAGI YUYA, WADA SHINPEI, KONDO HIDEHIRO, MATSUMOTO MEGUMI, KATO GOSHI, SANO MOTOHIKO	BABA SHUNTARO (TOKYO UNIVERSITY OF MARINE SCIENCE AND TECHNOLOGY, TOKYO, JAPAN)
P22	7273	Molecular Cloning and Characterization of Septin2 (Sept2) from seven band grouper (<i>Hyporthodus septemfasciatus</i>)	JEON SO YEON*, JUNG JAE EUN, SEO JEONG MIN, PARK JI HWAN, LIM CHAE WON, LEE SONGYI, OH MYUNG JOO, KIM JONG OH	JEON SO YEON (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)
P23	6873	Molecular Cloning and Characterization of Peroxiredoxin-6 (Prx6) from seven-band grouper (<i>Hyporthodus septemfasciatus</i>)	JUNG JAE-EUN*, SEO JUNG-MIN, LIM CHAE-WON, JEON SO-YEON, BYUN JEONG-WON, JEONG JI-HYUN, OH MYUNGJOO, KIM JONG-OH	JUNG JAE-EUN (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)
P24	7314	Comparative Gene Expression and Viral Load Analysis in Distinct Carp Groups Infected with Koi Herpes Virus (KHV)	SEBASTIAN ANJU*	SEBASTIAN ANJU (UNIVERSITY OF SOUTH BOHEMIA, CZECH REPUBLIC)
P25	7016	High-Throughput Screening of Antiviral Candidates Using VHSV as an RNA Virus Surrogate Model	KIM SU YEON*, KIM SU YEON, SHIN JIWOO, JANG SUJIN, AHN HEEJIN, SUNG MIN-KWAN, JO SO HYEON, CHOI TAE-JIN	KIM SU YEON (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)
P26	7095	Establishment of SsB-1, a <i>Solea senegalensis</i> brain cell line – A versatile platform for fish virus research and transgene expression	CUESTA ALBERTO*, VALERO YULEMA	CUESTA ALBERTO (UNIVERSIDAD MURCIA, SPAIN)
P27	6919	Atlantic cod gill poxvirus case in the gills of Atlantic cod suffering from cardiorespiratory disease	WELI SIMON*, TENGS TORSTEIN, NILSEN HANNE, MOHAMMAD SAIMA, GJESSING MONA C	WELI SIMON (NORWEGIAN VETERINARY INSTITUTE, AS, NORWAY)

Bacterial Diseases

Nr		Title	Authors	Presenter
P28	7143	Development of a Vaccine Against <i>Pasteurella atlantica</i>: Addressing Emerging Health Challenges in Norwegian Salmon Aquaculture	KAMISINSKA AGNIESZKA*, BRUDESETH BJØRN, MCADAM MARTIN E., HEEN VEGAR, AEED PAUL, GAUTHIER DAVID, SANDLUND LIV, ALWARD LARRY, KLEVAN ARE	KAMISINSKA AGNIESZKA (PHARMAQ AS, PART OF ZOETIS, NORWAY)
P29	7312	Can stressed fish provoke 'aggressive' bacteria?	GULLA SNORRE, ASAL BASMA, TROHJELL MARKUS, LYTE MARK, COLQUHOUN DUNCAN*	COLQUHOUN DUNCAN (NORWEGIAN VETERINARY INSTITUTE, NORWAY)
P30	7189	First report on <i>Flavobacterium columnare</i> causing disease outbreaks in cultured black carp, <i>Mylopharyngodon piceus</i>	HOAI TRUONG*	HOAI TRUONG (VIETNAM NATIONAL UNIVERSITY OF AGRICULTURE, VIETNAM)
P31	7098	Biofilm formation and viability of <i>Renibacterium salmoninarum</i> under varying salinities and temperatures	WELEKIDAN LETEMICHAEL NEGASH*, WEMAN PERSSON DAVID, ØSTEVIK LIV, FOYN NØRSTEBØ SIMEN	WELEKIDAN LETEMICHAEL NEGASH (NORWEGIAN UNIVERSITY OF LIFE SCIENCES, NORWAY)
P32	6948	Characterization of Korean <i>Edwardsiella</i> isolates and development of species-specific identification tools using multiplex qPCR and MALDI-TOF MS	KIM AHRAN*, KIM A HYUN, KIM CHI YUN, DO JEONG WAN	KIM AHRAN (NATIONAL INSTITUTE OF FISHERIES SCIENCE, SOUTH KOREA)
P33	7037	<i>Piscirickettsia salmonis</i> in turbot	NILSEN HANNE KATRINE*, HANSEN MAGNE KJERULF, KUIPER RAOUL, ØVREBØ JAN INGE, SAGHAFIAN MARYAM, GULLA SNORRE, OLSEN ANNE BERIT, DALE OLE BENDIK	NILSEN HANNE KATRINE (NORWEGIAN VETERINARY INSTITUTE, NORWAY)
P34	7310	<i>Moritella viscosa</i> and <i>Tenacibaculum finnmarkense</i> infection pressure in seawater	GULLA SNORRE*, BENEDICENTI OTTAVIA, SPILSBERG BJØRN, NILSEN HANNE, OLSEN ANNE BERIT, COLQUHOUN DUNCAN	GULLA SNORRE (NORWEGIAN VETERINARY INSTITUTE, NORWAY)
P35	6964	Characterization of <i>Edwardsiella</i> strains isolated from fish in the Netherlands (1995-2020) shows a relationship between <i>Edwardsiella</i> species and source	ALLAART JANNEKE*, VOORBERGEN-LAARMAN MICHAL, VAN GELDEREN BETTY, FOUZ BELÉN, ENGELSMA MARC	ALLAART JANNEKE (WAGENINGEN BIOVETERINARY RESEARCH, LELYSTAD, THE NETHERLANDS)
P36	6941	<i>Flavobacterium psychrophilum</i>: what's up bug?	DUCHAUD ERIC*, NICOLAS PIERRE, ROCHAT TATIANA	DUCHAUD ERIC (INRAE, FRANCE)
P37	7371	<i>Aeromonas veronii</i>, in farmed European seabass	LAMPOU EIRINI*, PSYCHARI ELENI, LOUKA KOSTANTINA,	LAMPOU EIRINI (DEPARTMENT OF

		(Dicentrarchus labrax) in the Ionian Sea, Greece	KOTZAMANIDIS CHARALAMPOS, MALOUSHI ANDIGONI, BITCHAVA KONSTANTINA	AQUACULTURE AND FISH HEALTH, PHARMAQUA SA., 14451, METAMORFOSI, ATHENS, GREECE)
P38	7011	Antimicrobial Susceptibility of Streptococcus suis serotype VI and Streptococcus agalactiae serotype VII Causing Streptococcosis in Snakeskin Gourami (Trichopodus pectoralis) during year 2021-2025 in Thailand	RODKHUM CHANNARONG*, CHUEAHIRAN SURAWIT	RODKHUM CHANNARONG (FACULTY OF VETERINARY SCIENCE, CHULALONGKORN UNIVERSITY, THAILAND)
P39	7343	Unidentified intracellular bacteria causing severe disease outbreak in farmed gilthead sea bream (Sparus aurata)	BROCCA GINEVRA, QUAGLIO FRANCESCO, CAFFARA MONICA, BIGNAMI GIORGIA, PIROLLO TERESA, GUSTINELLI ANDREA*	GUSTINELLI ANDREA (DEPARTMENT OF VETERINARY MEDICAL SCIENCES, UNIVERSITY OF BOLOGNA, ITALY)
P40	7325	Increase in bacterial gastroenteritis cases in salmonids at Finnish fish farms	ENBOM TUULIA*, ERIKSSON-KALLIO ANNA MARIA, RASK MARJUKKA, KORKEA-AHO TIINA	ENBOM TUULIA (FINNISH FOOD AUTHORITY, FINLAND)
P41	7319	PHYLOGENETIC AND GENOMIC ANALYSIS OF Photobacterium damsela subsp. piscicida REVEALS GEOGRAPHICAL DIVERSITY BASED ON VIRULENCE PLASMIDS	VILA-FAJARDO PABLO, V. BARCA ALBA*, FRAGA-PAMPIN SORAYA, CHRISTOFILOGIANNIS PANOS, R. OSORIO CARLOS	V. BARCA ALBA (AQUATIC ONE HEALTH RESEARCH CENTER (ARCUS), UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, SPAIN)
P42	7272	Turkish Yersinia ruckeri isolate characterisation by MLVA genotyping and comparative genomics	KARATAŞ STEINUM SÜHEYLA*, TURGAY EMRE, GULLA SNORRE, YARDIMCI REMZİYE EDA, COLQUHOUN DUNCAN, STEINUM TERJE MARKEN	KARATAŞ STEINUM SÜHEYLA (İSTANBUL UNIVERSITY, TURKEY)
P43	7215	Evaluation of Imoviral supplement effects on acute-phase response in Sparus aurata after Vibrio anguillarum infection	CAPPARUCCI FABIANO*, NATALE SABRINA, SAVOCA SERENA, BRAGASON BIRKIR THOR, GIANNETTO ALESSIA, MARINO FABIO, IARIA CARMELO	CAPPARUCCI FABIANO (UNIVERSITY OF MESSINA, ITALY)
P44	7113	Disinfection efficacy of Chlorhexidine Gluconate Against Pathogenic Bacteria Infecting Salmonids	KIM HYUNWOO*, LEE EUN SUP, PARK JI-YOON, KWON SE RYUN	KIM HYUNWOO (SUNMOON UNIVERSITY, SOUTH KOREA)
P45	7030	Phagocytosis and respiratory burst of Atlantic salmon (Salmo salar) head-kidney leukocytes in response to Renibacterium salmoninarum exposure	TOLLAESVIK THOMAS*, MYKLEBUST MAREN, RISNES INGRID, HAUGLAND GYRI, RØNNESETH ANITA	TOLLAESVIK THOMAS (UNIVERSITY OF BERGEN, NORWAY)
P46	7026	LactoTruite, a project to increase the resilience of trout	FRANÇOIS YOANNAH*, BARON SANDRINE, TARDY FLORENCE, MOREAU EMMANUELLE,	FRANÇOIS YOANNAH (SYSAAF, FRANCE)

		farms towards the emergence of lactococcosis in Brittany	OBERLE KENNY, ROSTANG ANTOINE, DESGRANGES ALEXANDRE, PICCHI NICOLAS, CHARLES DOMINIQUE, BLANCHARD YANNICK, MORIN THIERRY, DANION MORGANE, D'AMBROSIO JONATHAN, BESSON MATHIEU, HAFFRAY PIERRICK	
P47	7020	Experimental infection with <i>Edwardsiella tarda</i> in African catfish (<i>Clarias gariepinus</i>)	TOULOVÁ IVONA*, VAIBAROVÁ VĚRA, PAPEŽÍKOVÁ IVANA, NOVOTNÁ HANA, MIKULÍKOVÁ IVANA, LEPKOVÁ ZUZANA, PALÍKOVÁ MIROSLAVA	TOULOVÁ IVONA (UNIVERSITY OF VETERINARY SCIENCES BRNO; MENDEL UNIVERSITY IN BRNO, CZECH REPUBLIC)
P48	7013	Susceptibility of different genetic lines of rainbow trout (<i>Oncorhynchus mykiss</i>) to infection with <i>Flavobacterium psychrophilum</i>	PAPEŽÍKOVÁ IVANA*, VAIBAROVÁ VĚRA, POJEZDAL LUBOMÍR, MATĚJČIKOVÁ KATEŘINA, MIKULÍKOVÁ IVANA, PALÍKOVÁ MIROSLAVA, TOULOVÁ IVONA, LEPKOVÁ ZUZANA	PAPEŽÍKOVÁ IVANA (UNIVERSITY OF VETERINARY SCIENCES BRNO, FACULTY OF VETERINARY HYGIENE AND ECOLOGY, DEPARTMENT OF ECOLOGY & DISEASES OF ZOO, CZECH REPUBLIC)
P49	6989	Environmental detection and the use of non-lethal sampling for diagnosis and detection of <i>Renibacterium salmoninarum</i>	ØSTEVIK LIV*, SANDLUND LIV, CIANI ELIA, LAXDAL BERNHARØ, SMÁRADÓTTIR HEIÐDÍS, NØRSTEBØ SIMEN, NEGASH LETEMICHAEL, PERSSON DAVID	ØSTEVIK LIV (NORWEGIAN UNIVERSITY OF LIFE SCIENCES, NORWAY)
P50	6976	Experimental infection approaches to investigate resistance to Bacterial Cold-Water Disease in rainbow trout	ROCHAT TATIANA*, LEE BO-HYUNG, RIGAudeau DIMITRI, POUIL SIMON, SEGRET EMILIE, DESGRANGES ALEXANDRE, D'AMBROSIO JONATHAN, FRANCOIS YOANNAH, LALLIAS DELPHINE, PHOCAS FLORENCE, BOUDINOT PIERRE, DUCHAUD ERIC	ROCHAT TATIANA (INRAE, FRANCE)
P51	6963	Characterization of <i>aeromonas salmonicida</i> subsp. <i>masoucida</i> (asm) and <i>streptococcus parauberis</i> isolated from cultured <i>platichthys stellatus</i> (starry flounder) in south korea	PARK JI-HWAN*, JUNG JAE-EUN, SEO JEONG-MIN, KIM BEOM-SEOK, BYUN JEONG-WON, JEON SO-YEON, LIM CHAE-WON, JANG SEONG-WON, KIM JONG-OH	PARK JI-HWAN (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)
P52	6933	<i>Aliivibrio wodanis</i> strain diversity and interaction with other ulcer-bacteria	PETTERSEN-DA SYNNE, ROALKVAM IRENE, OLSEN ANNE-BERIT, COLQUHOUN DUNCAN, NILSEN HANNE KATRINE*, GULLA SNORRE	NILSEN HANNE KATRINE (NORWEGIAN VETERINARY INSTITUTE, NORWAY)

P53	6923	isolation and molecular characterization of aeromonas veronii and shewanella sp. from diseased koi carp (cyprinus carpio var. koi)	TAŞÇI GÖRKEM*, AJMI NIHED, DUMAN MUHAMMED, SATICIOĞLU İZZET BURÇİN	TAŞÇI GÖRKEM (BURSA ULUDAG UNIVERSITY, TURKEY)
P54	6885	Coinfection process with tenacibaculosis caused by Tenacibaculum spp.: first report on Atlantic salmon (Salmo salar L.) microbiome from Chilean salmon farms	AVENDAÑO-HERRERA RUBEN*, LEVIPAN HÉCTOR, ARAYA-LEÓN HENRY, SALDARRIAGA-CÓRDOBA MÓNICA	AVENDAÑO-HERRERA RUBEN (UNIVERSIDAD ANDRÉS BELLO, CHILE)
P55	6813	SNP-Based High-Resolution Melting Analysis for Precise Differentiation of Edwardsiella anguillarum and Edwardsiella piscicida in Aquaculture	WANG PEI-CHI*, RAHMAWATY ATIEK, CHENG LI-WU, CHEN SHIH-CHU	WANG PEI-CHI (NATIONAL PINGTUNG UNIVERSITY OF SCIENCE AND TECHNOLOGY, TAIWAN)

Diagnostics

Nr		Title	Authors	Presenter
P56	7066	Vertebral Deformities in Salmo salar and Oncorhynchus kisutch in Chile during 2023 and 2024. Diagnosis and prognosis based on improved radiological procedures.	VILLARROEL JAVIERA, SANDOVAL CARLOS*	SANDOVAL CARLOS (VEHICE, CHILE)
P57	7177	Comparative evaluation of qPCR performed by local fish health services using small-scale equipment and kits	MIDTLYNG PAUL J.*, SPANOS GEORGIOS, GARNES-GUTVIK SOFIE N., KUNICKIENE ERIKA, OTTESEN KRISTIN	MIDTLYNG PAUL J. (AQUAMEDIC AS, NORWAY)
P58	6922	Water quality, off-flavors, and fish health in Recirculating Aquaculture Systems (RAS): Advances in high-throughput chip technology for non-invasive monitoring	JØRGENSEN LOUISE VON GERSDORFF*, LI HANXI, HEEGAARD PETER, LARSEN HELENE, JØRGENSEN NIELS O.G.	JØRGENSEN LOUISE VON GERSDORFF (UNIVERSITY OF COPENHAGEN, DENMARK)
P59	7060	Bayesian evaluation of sensitivity and specificity of three PCR-based assays to detect Aphanomyces astaci in crayfish	HERMANNNS JULIUS*, JEMMI ELIANE, PISANO SIMONE ROBERTO ROLANDO, DELALAY GARY, DISERENS NICOLAS, LÜTHI RAMONA, SCHMIDT-POSTHAUS HEIKE	HERMANNNS JULIUS (INSTITUTE FOR FISH AND WILDLIFE HEALTH, VETSUISSE FACULTY, UNIVERSITY BERN, SWITZERLAND)
P60	6909	Ontario Ministry of Natural Resources provincial hatchery fish health monitoring status in Ontario, Canada (2022–2025)	CAI HUGH*, HOBDEN KERRY, ADDISON PETER, KELLENDONK CALVIN, AL-HUSSINEE LOWIA, YU QIUMEI, SNYMAN HEINDRICH, BENNOIT NATHAN, LEDGER LISA, BROCK TANYA,	CAI HUGH (UNIVERSITY OF GUELPH, CANADA)

			MUNEVAR FERNANDO, NELSON_SMIKLE PAULINE	
P61	7086	Development of SYBR Green-based real-time PCR assays for detection of salmonid alphavirus (SAV)	SONG EUNSU*, KO SUNGJAE, KWON MUN GYEONG, JEONG JI-MIN, HONG SUHEE	SONG EUNSU (AQUATIC LIFE MEDICINE, GANGNEUNG-WONJU NATIONAL UNIVERSITY, GANGNEUNG 25457, REPUBLIC OF KOREA, SOUTH KOREA)
P62	7085	Development of SYBR Green-based real-time PCR assays for detection of infectious haematopoietic necrosis virus (IHNV)	SONG EUNSU*, KO SUNGJAE, KIM YOUNG CHUL, KWON MUN GYEONG, JEONG JI-MIN, HONG SUHEE	SONG EUNSU (AQUATIC LIFE MEDICINE, GANGNEUNG-WONJU NATIONAL UNIVERSITY, GANGNEUNG 25457, REPUBLIC OF KOREA, SOUTH KOREA)
P63	7084	Development and validation of a multiplex RT-PCR assay for the simultaneous detection of three major viral pathogens in salmonids, IHNV, ISAV and SAV	KO SUNGJAE*, SEONG SO MIN, KIM YOUNG CHUL, KIM KWANG IL, KWON MUN GYEONG, JEONG JI-MIN, HONG SUHEE	KO SUNGJAE (DEPARTMENT OF AQUATIC LIFE MEDICINE, GANGNEUNG-WONJU NATIONAL UNIVERSITY, GANGNEUNG 25457, REPUBLIC OF KOREA, SOUTH KOREA)
P64	7274	Development of Cyprinid herpesvirus-2 detection with CRISPR-Cas 12a system	RODKHUM CHANNARONG*, PIRARAT NOPADON, PANTHUKUMPHOL NAPHA, KHIANCHAIKHAN KAMOLWAN	RODKHUM CHANNARONG (CENTER OF EXCELLENCE IN FISH INFECTIOUS DISEASES (CE FID), FACULTY OF VETERINARY SCIENCE, CHULALONGKORN UNIVERSITY, THAILAND)
P65	7422	Partial Validation of Two Real-Time PCR Detection Methods for Decapod Iridescent Virus	LU YI PING*, LIN TZU EN, LIN YU JU, CHENG MING CHU	LU YI PING (NATIONAL PINGTUNG UNIVERSITY OF SCIENCE AND TECHNOLOGY, TAIWAN)
P66	7299	Screening of five species of asymptomatic molluscs specimens sampled in coastal areas of Ria de Arousa, Galicia (NW Spain) reveals presence of	GONZÁLEZ-ROSALES EMMA, OLVEIRA JOSÉ G., LÓPEZ-VÁZQUEZ CARMEN, SOUTO SANDRA, DOPAZO CARLOS*	DOPAZO CARLOS (ARCUS, UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, SPAIN)

		Perkinsus olseni in two species of clams		
P67	7242	Establishment and phenotypic characterization of a new cell line derived from rainbow trout (<i>Oncorhynchus mykiss</i>) brain	PERUZZI MATHILDE, COLLINS CATHERINE, LAVENOT-OUTIN LÉA, BOUDINOT PIERRE, PASCALE FLORENTINA, DUFOUR SYLVIE, COLLET BERTRAND*	COLLET BERTRAND (INRAE), FRANCE
P68	7145	RPA based on-site molecular diagnostics for salmon virus infection diseases	GUO YANWU*, AMIT KUMAR SHARMA, GEORGIOS SPANOS, PAUL J. MIDTLING	GUO YANWU (ANGENOVO AS, NORWAY)
P69	7103	RT-qPCR at "points-of-need" for rapid and reliable detection of Atlantic salmon (<i>Salmo salar</i>) cardiac viral infections	SPANOS GEORGIOS*, MIDTLING PAUL J.	SPANOS GEORGIOS (AQUAMEDIC, NORWAY)
P70	7041	Are you really a <i>Vibrio cholerae</i>? Impact of <i>V. cholerae</i>-like species in the environment, aquacultures and food	HAMMERL JENS ANDRE, BARON SANDRINE, LEDEVENDEC LAETITIA, GOELLNER CORNELIA, NEKAT JONAS, MANTA DIANA, JAECKEL CLAUDIA*	JAECKEL CLAUDIA (GERMAN FEDERAL INSTITUTE FOR RISK ASSESSMENT, GERMANY)
P71	7040	Diversity and significance of <i>Y. ruckeri</i> isolates from German fish farms	HAMMERL JENS ANDRE, BARON SANDRINE, LEDEVENDEC LAETITIA, GOELLNER CORNELIA, NEKAT JONAS, MANTA DIANA, JAECKEL CLAUDIA*	JAECKEL CLAUDIA (GERMAN FEDERAL INSTITUTE FOR RISK ASSESSMENT, GERMANY)
P72	7024	The Dilemmas of Digital PCR: Technology Transfer for Fish Health Diagnostics	LINEHAN STEPHANIE*	LINEHAN STEPHANIE (MARINE INSTITUTE, IRELAND)
P73	6833	The importance of Mx in the antiviral resistance of fish cell lines	CHAUMONT LISE, PERUZZI MATHILDE, HUETZ FRANCOIS, RAFFY CLAUDINE, LE HIR JEROME, MINKE JULES, BOUDINOT PIERRE, COLLET BERTRAND*	COLLET BERTRAND (INRAE, FRANCE)
P74	6937	The Heart of the Problem: Advancing electrocardiography as a diagnostic tool in farmed fish.	ZENA LUCAS*, MORTENSEN HEIDI, ANDERSEN ØIVIND, SELJEHAUG JOHANSSON GUNHILD, HANSEN MIROSLAVA, PUVANENDRAN VELMURUGU, HANSEN ØYVIND, NOBLE CHRIS, LAZADO CARLO C., GRÄNS ALBIN	ZENA LUCAS (NOFIMA - NORWEGIAN INSTITUTE OF FOOD, FISHERIES AND AQUACULTURE RESEARCH, NORWAY)

Aquatic Animal Health

Nr		Title	Authors	Presenter
P75	7204	Effect of different biosecurity measures on pathogens in commercial land based RAS facilities	PATEL SONAL*, VIK ELISABETH MIDTBØ, FURNE MIRIAM, STURE MERETE GÅSVÆR, STERUD ERIK, HESS-ERGA OLE-KRISTIAN, LARSEN SONDRE VEBERG	PATEL SONAL (NORWEGIAN VETERINARY INSTITUTE, NORWAY)
P76	7330	Tissue-specific gene expression and immune modulation of stress receptor paralogues in Atlantic salmon	CHAPMAN LE, MONAGHAN S, MARTIN SAM, HOLLAND JW*	HOLLAND JW (UNIVERSITY OF ABERDEEN, UNITED KINGDOM)
P77	7326	Why is it so dangerous to be a cleaner fish?	HARASIMCZUK EWA*, GISMERVIK KRISTINE	HARASIMCZUK EWA (NORWEGIAN VETERINARY INSTITUTE, NORWAY)
P78	7207	Effects of the probiotic <i>Bacillus velezensis</i> administered to European sea bass (<i>Dicentrarchus labrax</i>) kept in RAS after challenge with <i>Vibrio harveyi</i>	BIGNAMI GIORGIA*, MONZON-ATIENZA LUIS, LEUZZI DANIELA, SCICCHITANO DANIEL, CANDELA MARCO, GOMEZ-MERCADER ANTONIO, GUSTINELLI ANDREA, FIORAVANTI MARIA LETIZIA, PEDRO LUIS CASTRO ALONSO, TEDESCO PERLA, ACOSTA FELIX	BIGNAMI GIORGIA (UNIVERSITY OF BOLOGNA, ITALY)
P79	7062	Deep impact: welfare of Atlantic salmon in marine, closed confinement systems at different stocking densities	TSOULIA THOMAS*, TSOULIA THOMAS, NILSEN ARVE, KLEBERT PASCAL, WIBORG DAHLE STINE, TREINES ELISABETH, NIELSEN KRISTOFFER VALE, STORMOEN MARIT, GULLA SNORRE, WALDE CECILIE	TSOULIA THOMAS (NORWEGIAN VETERINARY INSTITUTE, NORWAY)
P80	6971	Understanding tilapia mortalities and fish health management in Lake Volta: a systematic approach	ZORNU JACOB*, TAVORN PANICH SARAYA, BRUN EDGAR, VAN ZWIETEN PAUL A. M., VAN DE LEEMPUT INGRID, APPENTENG PATRICK, ANCHIRINAH JANET, CUDJOE KOFITSYO S.	ZORNU JACOB (NORWEGIAN VETERINARY INSTITUTE, NORWAY)
P81	7361	Assessing the impact of PFOS exposure on Bluegill susceptibility to Novirhabdovirus piscine	ADRIAN DEIL MANLICLIC, SANTOSH LAMICHHANE*, GORGOLIONE BARTOLOMEO, CHERYL MURPHY	SANTOSH LAMICHHANE (FISH PATHO BIOLOGY AND IMMUNOLOGY LABORATORY, COLLEGE OF VETERINARY MEDICINE, MICHIGAN STATE UNIVERSITY, EAST LANSING, MI, USA)
P82	7328	Biosecurity in aquaculture: a practical approach for on-farm implementation	PICON-CAMACHO SARA M., TAVORN PANICH SARAYA, BRUN EDGAR, SERRANO DE LA CRUZ MARIA F., ZORNU JACOB, LE BRETON ALAIN	PICON-CAMACHO SARA M. (VET'EAU - SELARL DU DR ALAIN LE BRETON, FRANCE)
P83	7292	Suspected jellyfish-induced intestinal pathology in sea-reared	CHIKWATI ELVIS, SPANOS GEORGIOS*, BERWICK MIA, MIDTLYNG PAUL J.	SPANOS GEORGIOS (AQUAMEDIC AS, NORWAY)

		Atlantic salmon at a fjord-based research facility		
P84	7227	A Systematic Map of Vertebrate Intestinal Epithelial Cell Culture Techniques to Refine Salmonid Models	HENDERSON RACHAEL*, KERSHAW CLAIRE, HERATH THARANGANI	HENDERSON RACHAEL (HARPER ADAMS UNIVERSITY, UNITED KINGDOM)
P85	6977	Unveiling the role of spirulina in the mitigation of sumithion-induced growth retardation, oxidative stress and immuno-toxicity in striped catfish (pangasianodon hypophthalmus)	BINTE ASHRAF SAUDAH*, AMIN MD RUHUL, SHAHJAHAN MD	BINTE ASHRAF SAUDAH (LABORATORY OF FISH ECOPHYSIOLOGY, BANGLADESH AGRICULTURAL UNIVERSITY, BANGLADESH)
P86	6868	Following the carp clause: Common carp (Cyprinus carpio) welfare status in the Czech Republic and Germany within the EU regulatory framework	KŘESALOVÁ TEREZA*, HOLČÁKOVÁ ANNA, MLADINEO IVONA	KŘESALOVÁ TEREZA (INSTITUTE OF PARASITOLOGY, BIOLOGY CENTRE CZECH ACADEMY OF SCIENCES, ČESKÉ BUDĚJOVICE, CZECH REPUBLIC)
P87	6286	Tilapia welfare assessment in Thailand: Perspectives from the farm to the local markets	LERTWANAKARN TUCHAKORN*, SURACHETPONG WIN	LERTWANAKARN TUCHAKORN (DEPARTMENT OF PHYSIOLOGY, FACULTY OF VETERINARY MEDICINE, KASETSART UNIVERSITY, BANGKOK, THAILAND)

Bivalve and Crustacean Diseases

Nr		Title	Authors	Presenter
P88	6904	Frozen Out: Can Macrobrachium Rosenbergii survive French winters?	OSTERHELD KEVIN*, PINEAU LIONEL, CALVEZ SEGOLENE	OSTERHELD KEVIN (ONIRIS, INRAE, BIOEPAR, 44300 NANTES, FRANCE)
P89	7345	Preliminary analysis for the identification and localization of biomarkers of health and environmental stress in flat oyster (Ostrea edulis)	ERRANI FRANCESCA*, VOLPATTI DONATELLA, VETRI ALESSIA, GALEOTTI MARCO	ERRANI FRANCESCA (UNIVERSITY OF UDINE, DEPARTMENT OF AGRICULTURAL, FOOD, ENVIRONMENTAL AND ANIMAL SCIENCES, UDINE, ITALY)
P90	7175	First detection of Perkinsus mediterraneus in flat oysters in Northern Adriatic Sea	VETRI ALESSIA*, ZRNČIĆ SNJEŽANA, D'ONOFRIO CATERINA, ZUPICIC IVANA GIOVANNA, ARCANGELI GIUSEPPE, GRBIN DOROTEA, PRETTO TOBIA	VETRI ALESSIA (ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLE VENEZIE, ITALY)
P91	7105	A holistic approach to bivalve health: untangling complex interactions influencing the	WARD GEORGIA*, TIDY ANNA, WHITE PETER, JONES CHARLIE, BIGNELL JOHN, MASKREY BENJAMIN, JESSOP	WARD GEORGIA (CEFAS, UNITED KINGDOM)

		health status of <i>Mytilus</i> mussel populations	RON, HOOPER CHANTELLE, BASS DAVID	
P92	7052	Chasing the plague, one passive filter at a time	GRIFFIN BOGNA*, CHESLETT DEBORAH, HENDERSON MOX	GRIFFIN BOGNA (MARINE INSTITUTE, IRELAND)
P93	7033	Exploring experimentally the impact of climate change and plastic pollution on the dynamics of bonamiosis in the native European oyster <i>Ostrea edulis</i>	ARZUL ISABELLE*, LECADET CYRIELLE, CHOLLET BRUNO, POUSSE EMILIEN, CASTREC JUSTINE, HUVET ARNAUD, PAUL-PONT IKA, DI POI CAROLE	ARZUL ISABELLE (IFREMER, FRANCE)
P94	6965	Phylogenomic evidence for host specialization and genetic divergence in OsHV-1 infecting <i>Magallana gigas</i> and <i>Ostrea edulis</i>	MORGA BENJAMIN*, PELLETIER CAMILLE, CHEVIGNON GERMAIN, FAURY NICOLE, ARZUL ISABELLE, GARCIA CELINE, CHOLLET BRUNO, RENAULT TRISTAN, JACQUOT MAUDE	MORGA BENJAMIN (IFREMER, FRANCE)
P95	6945	Strategies to reduce vibrio content in the gut of pacific white shrimp (<i>Litopenaeus vannamei</i>)	BIRIKORANG HARRIET NKETIAH*, DECLERCQ ANNELIES, DE MUYLDER ERIC	BIRIKORANG HARRIET NKETIAH (FORMER MSC. STUDENT, LABORATORY OF AQUACULTURE AND ARTEMIA REFERENCE CENTER, GHENT UNIVERSITY, BELGIUM)
P96	6894	Spatiotemporal detection of <i>Aphanomyces astaci</i> after crayfish plague outbreaks	PISANO SIMONE ROBERTO ROLANDO*, STEINER JONAS, JEMMI ELIANE, ZÜRCHER MANON, ZINGRE TATIANA, KREIENBÜHL THOMAS, RANDEGGER FLORIAN, KUGLER MICHAEL, SCHMIDT-POSTHAUS HEIKE	PISANO SIMONE ROBERTO ROLANDO (FIWI - INSTITUTE FOR FISH AND WILDLIFE HEALTH, SWITZERLAND)
P97	6889	Mussel (<i>Mytilus edulis</i>) mortality events in association with <i>Francisella haliotica</i> in the Netherlands	ENGELSMA MARC*, VOORBERGEN-LAARMAN MICHAL, VAN GELDEREN BETTY, BOURAS HELENE, SCHOTANUS JILDOU, CAPELLE JACOB	ENGELSMA MARC (WBVR, NETHERLANDS)
P98	7112	development of point of need diagnostic methods for detection of bonamia ostreae using in-field nucleotide sequencing	BATISTA FREDERICO*, KERR ROSE, EDWARDS MATT, ROBERT HATFIELD, SCOTT GEORGE	BATISTA FREDERICO (CEFAS, UNITED KINGDOM)
P99	7329	The WAVES Consortium: Working towards adaptive and versatile environmental sustainability in mollusc aquaculture in Southeast Asia	DESBOIS ANDREW*	DESBOIS ANDREW (INSTITUTE OF AQUACULTURE, UNIVERSITY OF STIRLING, UNITED KINGDOM)

P100	7219	Impact of oral immune priming on Manila clam (<i>Ruditapes philippinarum</i>) microbiota	DUBERT JAVIER*, RODINO-JANEIRO BRUNO K., RODRIGUEZ SERGIO, DIEGUEZ ANA L., TORANZO ALICIA E.	DUBERT JAVIER (UNIVERSITY OF SANTIAGO DE COMPOSTELA, SPAIN)
P101	7135	Assessing PFOS Impact on Oxidative Stress and Tissue Damage in <i>Ruditapes</i> sp.	NATALE SABRINA*, PERITORE ALESSIO FILIPPO, CAPPARUCCI FABIANO, IARIA CARMELO, LANTERI GIOVANNI	NATALE SABRINA (UNIVERSITÀ DI MESSINA, ITALY)
P102	7065	Mining NCBI sequence read archive (SRA) data reveals the presence of <i>Macrobrachium rosenbergii</i> golda virus (MrGV) in giant river prawn larvae across Asia	HOOPER CHANTELLE*, VAN AERLE RONNY, RYDER DAVID, COYLE NICOLA	HOOPER CHANTELLE (THE CENTRE FOR ENVIRONMENT, FISHERIES AND AQUACULTURE SCIENCE, UNITED KINGDOM)
P103	7043	Cytopathology and phylogeny of <i>Pinna nobilis</i> Picornavirus (PnPV) from the Faro Lake (Southern Italy)	IARIA CARMELO*, PIRO MARIA GIOVANNA, NATALE SABRINA, CAPPARUCCI FABIANO, VILLARI GRAZIA, DE VICO GIONATA, MARINO FABIO, CARELLA FRANCESCA	IARIA CARMELO (UNIVERSITY OF MESSINA, ITALY)
P104	6902	Unveiling <i>Perkinsus olsenii</i> and <i>P. chesapeaki</i> across their French distribution using a touch of ecology and genetics	DURAND ANTOINE, CHOLLET BRUNO, ARZUL ISABELLE*, GARCIA CELINE, RIQUET FLORENTINE	ARZUL ISABELLE (IFREMER, FRANCE)

Diseases of Wild and Ornamental Fish

Nr		Title	Authors	Presenter
P105	7356	First detection of the Fancy-Tailed Guppy Virus (FTGV) in Europe	ADAMEK MIKOLAJ*, RAMIREZ STOLL TAMARA, DEBNATH DIPA, KREBS TORBEN, KORYTAR TOMAS, FALCO ALBERTO, SOTO ESTEBAN, RAKUS KRZYSTOF, HERDEGEN-RADWAN MAGDALENA, RADWAN JACEK, JUNG-SCHROERS VERENA	ADAMEK MIKOLAJ (UNIVERSITY OF VETERINARY MEDICINE HANNOVER, GERMANY)
P106	7237	A retrospective histopathological study of disease in marine ornamental fish	MAGI GIAN ENRICO*, PRITELLI ANTONELLA, CIIULLI SARA, BERGAMINI CHIARA	MAGI GIAN ENRICO (UNIVERSITY OF CAMERINO, ITALY)
P107	7190	Reassessment of <i>Myxobolus toyamai</i> morphology in koi carp using an enhanced Giemsa warming technique: A first report from Vietnam	HOAI TRUONG*, ANDREW SHINN	HOAI TRUONG (VIETNAM NATIONAL UNIVERSITY OF AGRICULTURE, VIETNAM)

P108	7166	Molecular characterization of <i>Proteocephalus</i> (Cestoda) species parasitizing salmonids across Russian freshwater ecosystems	SOLOVYEV MIKHAIL*, ISEA SB RAS VLASENKO PAVEL, KOLMOGOROVA TATIANA, MARKEVICH GREGORY, KASHINSKAYA ELENA,	SOLOVYEV MIKHAIL*, ISEA SB RAS
P109	7339	Antimicrobial Resistance in Ornamental Fish: monitoring data from 2020 to 2023	BONDAVALLI FABIO*, ESPOSITO GIUSEPPE, PASTORINO PAOLO, DE VITA VITO, BOZZETTA ELENA, PREARO MARINO	BONDAVALLI FABIO (ISTITUTO ZOOPROFILATTICO SPERIMENTALE DEL PIEMONTE, LIGURIA E VALLE D'AOSTA, ITALY)
P110	7279	The role of wildlife in the epidemiology of aquatic animal diseases: a research perspective from the European partnership on animal health and welfare	PADROS FRANCESC*, VRALSTAD TRUDE, DECLERCQ ANNELIES, HALLBOM HAMPUS, SUSINI FRANCESCA, COLTRARO MIRIANA, GÜNTHER-SCHMIDT JACOB, CONSTENLA MARIA, QVILLER LARS, HANSEN HAAKON, GARSETH ASE-HELEN, STRAND DAVID	PADROS FRANCESC (UNIVERSITAT AUTONOMA DE BARCELONA, SPAIN)
P111	7240	Release of <i>Tetracapsuloides bryosalmonae</i> spores via fish urine and subsequent removal by filter-feeding freshwater sponges - insights from eDNA analyses	PUKK LILIAN*, SAKS LAURI, KAHAR SIIM, VASEMÄGI ANTI	PUKK LILIAN (ESTONIAN UNIVERSITY OF LIFE SCIENCES, ESTONIA)
P112	7167	Morphological and molecular characterization of <i>Schistocephalus</i> spp. (Cestoda) parasitizing sculpins (Cottidae) in Siberian lakes (Russia)	SOLOVYEV MIKHAIL*, VLASENKO PAVEL, KOLMOGOROVA TATIANA, MARKEVICH GREGORY, KOROSTEVNIKOV NIKOLAI, KASHINSKAYA ELENA,	SOLOVYEV MIKHAIL*, ISEA SB RAS
P113	7149	Micro-invaders camouflaged within known invaders: The potential sanitary risk of <i>Pseudorasbora parva</i> as a carrier of the nematode <i>Anguillicoloides crassus</i>	CONSTENLA MARIA*, DALLARES SARA, MUNSPUJADAS LAURA, HIGUERUELO ANDREA, ESTER CARRERAS-COLOM, ANNA SOLER-MEMBRIVES, FRANCESC PADROS	CONSTENLA MARIA (UNIVERSITAT AUTÒNOMA DE BARCELONA, SPAIN)
P114	7146	Clash of sea titans: Swordfish vs. Blue Shark. Forensic evidence of a double stabbing event	PADRÓS FRANCESC*, LOSCERTALES SARA ISABEL, MARTINO LAURA, CID MARINA, ABARCA LOURDES, DOMINGO MARIANO, DALLARES SARA, BARRIA CLAUDIO, CONSTENLA MARIA	PADRÓS FRANCESC (BIOLOGIA ANIMAL. FACULTAT DE VETERINARIA. UNIVERSITAT AUTÒNOMA DE BARCELONA (UAB), SPAIN)
P115	6910	Long-term monitoring reveals significant decrease in	BIGNELL JOHN*, BARBER JON, ETHELTON MARK, NELSON	BIGNELL JOHN (CEFAS, UNITED KINGDOM)

		common dab (<i>Limanda limanda</i>) hepatic neoplasms	PAUL, STENTIFORD GRANT, TAYLOR NICK, TEIXEIRA ALVES MICKAEL	
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Nutrition and Fish Health

Nr		Title	Authors	Presenter
P116	6959	Effect of replacement of soybean meal with silkworm pupae on growth performance and physiological responses of <i>Pangasius pangasius</i>	TARIQ AYESHA*	TARIQ AYESHA (GOVERNMENT COLLEGE UNIVERSITY LAHORE, PAKISTAN)
P117	7332	Potential feed-related outbreak of mass mortality in salmon and sea-trout fry	AXÉN CHARLOTTE*, EK CAROLINE	AXÉN CHARLOTTE (SWEDISH VETERINARY AGENCY, SWEDEN)
P118	7111	soy protein concentrate replacement with <i>methylococcus capsulatus</i> can support a vaccination response in atlantic salmon (<i>salmo salar</i>)	MELENCHÓN RAMÍREZ FEDERICO*, JENSEN HANNAH MALENE, KOPPE WOLFGANG, WENTZEL THORRINGER NANA	MELENCHÓN RAMÍREZ FEDERICO (UNIBIO A/S, DENMARK)
P119	7067	Functional Role of Vitamin E Supplementation in Enhancing Growth performance and Biochemical Resilience in Nile Tilapia (<i>Oreochromis niloticus</i>)	KHURSHEED ZULFIQAR*, IRSHAD MUHAMMAD HAMID, NAZ HUMA, MANZOR MURTAZA*, YOUNUS MUHAMMAD	KHURSHEED ZULFIQAR (CHOLISTAN UNIVERSITY OF VETERINARY AND ANIMAL SCIENCE, PAKISTAN)
P120	6982	Evaluation of dietary black garlic peel as an alternative to antibiotics in rainbow trout (<i>Oncorhynchus mykiss</i>)	SAEYEON LIM*, YOUNGJIN PARK	SAEYEON LIM (SUNMOON UNIVERSITY, SOUTH KOREA)
P121	6954	An Atypical Course of Cardiomyopathy Syndrome (CMS) in Farmed Atlantic Salmon (<i>Salmo salar</i>) Fed a Clinical Nutrition Diet	RENNEMO JOHAN*, BERGE KJETIL, YOUSAF MUHAMMAD NAVEED, ERIKSEN TOMMY BERGER, WELDE EIRIK, ROBERTSEN CAMILLA, JOHANSEN BJARNE, MCGURK CHARLES, RIMSTAD ESPEN, KOPPANG ERLING OLAF, BJØRGEN HÅVARD	RENNEMO JOHAN (SKRETTEING AS, NORWAY)
P122	7587	Development of animal health models for emerging pathogens in European sea bass (<i>dicentrarchus labrax</i>) in the mediterranean	FOLGUEIRA IRIA*, CABELLO- GÓMEZ JOSE F., PÁEZ DANIEL, IGLESIAS IRIA, AGRASO MARÍA DEL MAR	FOLGUEIRA IRIA (CTAQUA, SPAIN)

P123	7208	Negative effects of a high starch diet in European perch	DISERENS NICOLAS*, SCHMIDT-POSTHAUS HEIKE	DISERENS NICOLAS (INSTITUTE FOR FISH AND WILDLIFE HEALTH, SWITZERLAND)
P124	7150	Methionine dietary supplementation improves antiviral response of rainbow trout (<i>Oncorhynchus mykiss</i>) against viral hemorrhagic septicemia virus (VHSV) - a transcriptomic approach	VAZ MARIANA, THEMUDO GONÇALO, TAFALLA CAROLINA, DÍAS-ROSALEZ PATRÍCIA, ROBLEDO DIEGO, COSTAS BENJAMÍN, MACHADO MARINA*	MACHADO MARINA (CENTRO INTERDISCIPLINAR DE INVESTIGAÇÃO MARINHA E AMBIENTAL (CIIMAR), PORTUGAL)
P125	7007	Efficacy of a phytobiotic-based additive in controlling natural ectoparasite infestations in farmed grouper, <i>Epinephelus fuscoguttatus</i>	CHEN I-TUNG*, ISERN-SUBICH MARIA MERCÈ, NUEZ-ORTÍN WALDO G.	CHEN I-TUNG (ADISSEO FRANCE SAS, SINGAPORE)

Salmonid viral diseases

Nr		Title	Authors	Presenter
P126	7097	Infection dynamics of infectious hematopoietic necrosis virus in rainbow trout during sexual maturation	SANO MOTOHIKO*, SHIMIZU RYOTA, NONAKA AOI, THIN CHAW SU, TSUBOI GOSUKE, HIRABE SUGURU, SHIROTORI FUMIAKI, TAKEUCHI KOUTA, TAKEHANA KOUTA, FURIHATA MITSURU, NAKAMURA EISUKE, TAKIKAWA TOMOHITO, MATSUMOTO MEGUMI, KATO GOSHI	SANO MOTOHIKO (TOKYO UNIVERSITY OF MARINE SCIENCE AND TECHNOLOGY, JAPAN)

Parasitic Diseases

Nr		Title	Authors	Presenter
P127	6899	You may only eat what you can hold on to, the impact of nematode morphology on pathology	AVENANT-OLDEWAGE ANNEMARIË*	AVENANT-OLDEWAGE ANNEMARIË (UNIVERSITY OF JOHANNESBURG, SOUTH AFRICA)
P128	7351	Population structure and genetic identification of <i>Anisakis</i> spp. from juvenile Atlantic bluefin tuna from eastern Adriatic sea	HRABAR JERKO*, ŽUVIĆ LUKA, ĆURKO TENA, BRAČIĆ KATARINA, TRUMBIĆ ŽELJKA, IVANIŠEVIĆ KLARA, BAKARIĆ KLARA, ŠEGVIĆ BUBIĆ TANJA, GRUBIŠIĆ LEON	HRABAR JERKO (INSTITUTE OF OCEANOGRAPHY AND FISHERIES, CROATIA)
P129	7308	Non-Invasive Monitoring of <i>Miamiensis avidus</i> in Seawater	JUNG SUNG-JU, KIM HYEON-KYEONG, KWON YOUNG-HYEOK, KIM JIN-YOUNG*	KIM JIN-YOUNG (CHONNAM NATIONAL

		Using a Real-Time PCR Targeting the cox1 Gene		UNIVERSITY, SOUTH KOREA)
P130	7297	Withdrawn		
P131	7287	Distribution of Anisakis species from Atlantic horse mackerel (<i>Trachurus trachurus</i>) in the Portuguese coast: an update	GOMES TIAGO*, MENDES BEATRIZ, MEDEIROS MONALISA, ABEGÃO LEONOR, BARBOSA RICARDO, MOITA TOMÁS, ALMEIDA LAURA, MIRA INÊS, RAMOS SÓNIA, MUNHOZ ANA	GOMES TIAGO (FACULTY OF VETERINARY MEDICINE, LUSÓFONA UNIVERSITY; I-MVET; VETERINARY AND ANIMAL RESEARCH CENTRE (CECAV), PORTUGAL)
P132	7247	Withdrawn		
P133	7186	Parasitic diversity of the endemic Gobiidae species, <i>Zosterisessor ophiocephalus</i> (Pallas, 1814) along the Tunisian coast (Mediterranean Sea)	SLAMA WIDED, BAHRI SIHEM*, BAHRI LILIA	BAHRI SIHEM (UNIVERSITY OF TUNIS EL MANAR, FACULTY OF SCIENCES OF TUNIS, TUNISIA)
P134	7170	Histopathological changes caused by parasitic copepods in marine fish from Tunisian coasts	BAHRI SIHEM*	BAHRI SIHEM (UNIVERSITY OF TUNIS EL MANAR, FACULTY OF SCIENCES OF TUNIS, TUNISIA)
P135	7089	Antiparasitic efficacy of glutaraldehyde against <i>Ichthyobodo salmonis</i> and <i>Trichodina</i> spp. in chum salmon (<i>Oncorhynchus keta</i>) and barfin flounder (<i>Verasper moseri</i>), with a toxicological assessment on host species	SAKALA MASAUTSO EMMAUUEL*, YAMAMOTO KANTARO, AMENO MAKOTO, YAMAGUCHI KEITO, TIPPAYAKRAISRI KARN, NITTA MASATO, OSEKO NORIHISA, NAGATA JUN, KASAI HISAE	SAKALA MASAUTSO EMMAUUEL (HOKKAIDO UNIVERSITY, JAPAN)
P136	7017	Completing the life cycle of <i>Myxobolus tihanyensis</i> (Cnidaria, Myxozoa) by molecular evidence	BOGLÁRKA SELLYEI*, GRACIELA COLUNGA-RAMÍREZ, CSABA SZÉKELY, GÁBOR CECH	BOGLÁRKA SELLYEI (HUN-REN VETERINARY MEDICAL RESEARCH INSTITUTE, HUNGARY)
P137	6952	Aspects of the histopathology of the rectum of <i>Clarias gariepinus</i> infected with the camallanid parasite <i>Paracamallanus cyathopharynx</i> (Baylis, 1923)	AVENANT-OLDEWAGE ANNEMARIË*, MATEA KENNETH	AVENANT-OLDEWAGE ANNEMARIË (UNIVERSITY OF JOHANNESBURG, SOUTH AFRICA)
P138	6951	Aspects of the histopathology of the stomach of <i>Clarias gariepinus</i> (Burchell, 1822) infected by <i>Procamallanus</i> (<i>Procamallanus</i>) <i>pseudolaeviconchus</i> Moravec & Van As, 2015.	AVENANT-OLDEWAGE ANNEMARIË*, MATEA KENNETH	AVENANT-OLDEWAGE ANNEMARIË (UNIVERSITY OF JOHANNESBURG, SOUTH AFRICA)

Host-parasite Interactions

Nr		Title	Authors	Presenter
P139	7162	Trophic interactions in a sympatric pair of whitefish with different feeding habits and plerocercoids of <i>Triaenophorus crassus</i> (Cestoda) parasitizing their muscles: a stable isotope approach	SOLOVYEV MIKHAIL*, KASHINSKAYA ELENA, VLASENKO PAVEL	SOLOVYEV MIKHAIL (ISEA SB RAS, RUSSIAN FEDERATION)
P140	6901	Withdrawn		
P141	6900	Withdrawn		
P142	6861	Parasites found in salmon (<i>Salmo salar</i>) from the southern Baltic Sea	NADOLNA-AŁTYN KATARZYNA*, PAWLAK JOANNA, PODOLSKA MAGDALENA, LEJK ADAM	NADOLNA-AŁTYN KATARZYNA (NATIONAL MARINE FISHERIES RESEARCH INSTITUTE, POLAND)
P143	6853	Changes in the helminth fauna and diet of the garfish, <i>Belone belone</i>, from the southern Baltic Sea	PAWLAK JOANNA*, NADOLNA-AŁTYN KATARZYNA	PAWLAK JOANNA (NATIONAL MARINE FISHERIES RESEARCH INSTITUTE, GDYNIA, POLAND)
P144	6852	Nematodes in the liver of European flounder (<i>Platichthys flesus</i>) from the southern Baltic Sea	NADOLNA-AŁTYN KATARZYNA*, PIWOSZ KATARZYNA, PAWLAK JOANNA	NADOLNA-AŁTYN KATARZYNA (NATIONAL MARINE FISHERIES RESEARCH INSTITUTE, POLAND)
P145	7082	THE LOCAL IMMUNE RESPONSE TRIGGERED BY CRYPTOCARYON IRRITANS INFECTION IN SHI DRUM	CHAVES-POZO ELENA*, CERVERA LAURA, HERNÁNDEZ ELENA, ARIZCUN MARTA	CHAVES-POZO ELENA (COMU-IEO, CSIC, SPAIN)
P146	7229	<i>Chlorella vulgaris</i> aquafeed supplementation as microbiota-gut-brain axis modulator in <i>Dicentrarchus labrax</i>	SARAIVA MARCIA*, PEIXOTO DIOGO, HINZMAN MARIANA, CARVALHO INÊS, BARBOSA HELENA	SARAIVA MARCIA (CIIMAR, PORTUGAL)
P147	7165	Biochemical characteristics of digestive enzymes of fish and their intestinal cestode (<i>Proteocephalus percae</i>)	SOLOVYEV MIKHAIL*, VASILENKO VADIM, VLASENKO PAVEL, KASHINSKAYA ELENA	SOLOVYEV MIKHAIL (ISEA SB RAS, RUSSIAN FEDERATION)

Gill Diseases

Nr		Title	Authors	Presenter
P148	7337	Detection of Epitheliocystis in wild mediterranean fish species: a preliminary survey	IZMAYLOV-MIRGASIMOV TIMUR, CONSTENLA MARIA*, KATHARIOS PANTELIS, CASCARANO MARIA CHIARA, PADRÓS FRANCESC	CONSTENLA MARIA (UNIVERSITAT AUTÒNOMA DE BARCELONA, SPAIN)
P149	7295	Withdrawn		
P150	6973	Ultrastructural Analysis of Amoebae and Gill Lesions in Nodular Gill Disease of Rainbow Trout	VANNETTI STEFANIA*, KNÜSEL RALPH, KÄSSMEYER SABINE, GASCHEN VÉRONIQUE, LLORDA JAIME, IROBALIEVA ROSSITZA, SCHMIDT-POSTHAUS HEIKE	VANNETTI STEFANIA (INSTITUTE FOR FISH AND WILDLIFE HEALTH, DEPARTMENT OF INFECTIOUS DISEASES AND PATHOBIOLOGY, VETSUISSE FACULTY, UNIVERSITY BERN, SWITZERLAND)
P151	7056	Nodular Gill Disease in Swiss Aquaculture – Characterization of histological lesions in gills of rainbow trout (<i>Oncorhynchus mykiss</i>) and an outlook on diagnosis of involved amoeba species	SEIBOLD SOYOMI*, VANNETTI STEFANIA, DELALAY GARY, NICOLAS DISERENS, SCHMIDT-POSTHAUS HEIKE	SEIBOLD SOYOMI (INSTITUTE FOR FISH AND WILDLIFE HEALTH, DEPARTMENT OF INFECTIOUS DISEASES AND PATHOBIOLOGY, VETSUISSE FACULTY, UNIVERSITY BERN, SWITZERLAND)

Aquatic Animal Epidemiology

Nr		Title	Authors	Presenter
P152	7048	Comparison of mortality cause assignments between fish health personnel and farmer recordings	RINGSTAD NANNA KRISTINE*, PERSSON DAVID, STORMOEN MARIT	RINGSTAD NANNA KRISTINE (NMBU, NORWAY)
P153	7018	Hatchery personnel's perceptions on risk factors for fish mortality after sea transfer	SOLLIE GÅSNES SIRI*, BANG JENSEN BRITT, STØRKERSEN KRISTINE, STOMOEN MARIT, GISMERVIK KRISTINE	SOLLIE GÅSNES SIRI (NORWEGIAN VETERINARY INSTITUTE, NORWAY)
P154	7298	Use of transcriptomics for detection of novel viruses in molluscs	GONZÁLEZ-ROSALES EMMA, OLIVEIRA JOSÉ G., PAZOS ANTONIO, PÉREZ-PARALLÉ LUZ, SOUTO SANDRA, DOPAZO CARLOS P.*	DOPAZO CARLOS P. (ARCUS, UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, SPAIN)
P155	7068	Farm-level biosecurity and health management in floating net cage fish farms in Croatia	ČOLAK SLAVICA*, MEJDANDŽIĆ DANIJEL, ŽUPAN IVAN, MUSTAČ BOSILJKA, PETANI BRUNA, BAVČEVIĆ LAV, ŠARIĆ TOMISLAV, KOLEGA MATKO	ČOLAK SLAVICA (UNIVERSITY OF ZADAR, CROATIA)

Immunology

Nr		Title	Authors	Presenter
P156	6908	Decrease in abundance ratio of gill-epithelial antigen sampling (GAS) cells along with sexual maturation	NUMATA JUNSAKU*, GURUGE AIKA, MATSUMOTO MEGUMI, SANO MOTOHIKO, KATO GOSHI	NUMATA JUNSAKU (TOKYO UNIVERSITY OF MARINE SCIENCE AND TECHNOLOGY, JAPAN)
P157	7077	Testicular beta-defensin transcriptional profile in European sea bass	CHAVES-POZO ELENA*, CERVERA LAURA, YULEMA VALERO, CUESTA ALBERTO, ARIZCUN MARTA	CHAVES-POZO ELENA (COMU-IEO, CSIC, SPAIN)
P158	6995	Evolutionary and functional characterization of TNFRSF25 as a putative receptor for TNFSF15 in Rock bream (<i>Oplegnathus fasciatus</i>)	KO SUNGJAE*, HONG SUHEE	KO SUNGJAE (DEPARTMENT OF AQUATIC LIFE MEDICINE, GANGNEUNG-WONJU NATIONAL UNIVERSITY, GANGNEUNG 25457, REPUBLIC OF KOREA, SOUTH KOREA)
P159	7355	The secreted novel AID/APOBEC-like deaminase 1 (SNAD1) could play an important role in fish immunology	ADAMEK MIKOLAJ*, MAJEWSKA ANNA, DIETRICH MARIOLA, BUDZKO LUCYNA, FIGLEROWICZ MAREK, CIERESZKO ANDRZEJ	ADAMEK MIKOLAJ (UNIVERSITY OF VETERINARY MEDICINE HANNOVER, GERMANY)
P160	7277	Characterization of viperin in <i>Haliotis discus hannai</i> using transcriptomic analysis after poly(I:C) stimulation	YOO SEUNG HYUN*, PARK YONG JUN, KIM JEONG GYU, KIM GUN-DO, KIM JONG-OH	YOO SEUNG HYUN (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)
P161	7268	Protocol optimization for leucocytes isolation from the blood of Atlantic salmon	RADUNOVIC SANDRA*, GAMIL AMR, EVENSEN ØYSTEIN	RADUNOVIC SANDRA (NORWEGIAN UNIVERSITY OF LIFE SCIENCES, NORWAY)
P162	6998	Modified flagellin retains immunostimulatory activity, bridging innate and adaptive immunity in trout (<i>Oncorhynchus mykiss</i>)	LÓPEZ MARCELO*, GARCÍA JOSÉ, GOMEZ-CASADO EDUARDO	LÓPEZ MARCELO (DEPARTMENT OF BIOTECHNOLOGY. INIA-CSIC. 28040-MADRID, SPAIN)
P163	6993	Genomic analysis and rtp3 gene expression in gilthead sea bream (<i>Sparus aurata</i>) following NNV infections	ALVAREZ-TORRES DANIEL, MORENO PATRICIA, JUAN GEMEZ-MATA, GARCIA-ROSADO ESTHER, BEJAR JULIA, ALONSO M. CAMEN*	ALONSO M. CAMEN (UNIVERSITY OF MALAGA, SPAIN)
P164	6981	Comparison of Initial Immune Responses among Six Salmonid Species Inoculated with PolyI:C	MORIMOTO NATSUKI*, UMEDA KOUSUKE, TAKANO TOMOKAZU, MATSUYAMA TOMOMASA	MORIMOTO NATSUKI (JAPAN FISHERIES RESEARCH AND EDUCATION AGENCY, JAPAN)
P165	6968	Single-cell sequencing of immune cells provides	COXON QUINN*, SAURA MARTINEZEZ HELENA, ORD	COXON QUINN (UNIVERSITY OF BERN,

		insights into the early immune response of brown trout (<i>Salmo trutta</i>) to <i>Tetracapsuloides bryosalmonae</i> infection	JAMES, ADRIAN-KALCHHAUSER IRENE, SCHMIDT-POSTHAUS HEIKE	VETSUISSE, SWITZERLAND)
P166	6950	Evaluation of the potential effects of sodium fluoride, a suspected endocrine disrupting substance, on the immune system of rainbow trout, <i>Oncorhynchus mykiss</i> – SUSPECT	LANNUZEL GUILLAUME, DANION MORGANE, LOUBOUTIN LENAIG*, MORIN THIERRY, BRAUNBECK THOMAS, BELLEC LAURE, PANNETIER PAULINE	LOUBOUTIN LENAIG (ANSES LABORATOIRE DE PLOUFRAGAN PLOUZANÉ NIORT UNITÉ VIMEP, FRANCE)
P167	6867	Modulation of rainbow trout (<i>Oncorhynchus mykiss</i>) immune response by <i>fliC</i> expression in <i>Yersinia ruckeri</i>	SCHULZ PATRYCJA*, PAJDAK-CZAUS JOANNA*, POSPIECH KAROLINA, FORMAL ELŻBIETA, KOBIERA AMANDA, MATCZAK JUSTYNA, FOKSIŃSKI PAWEŁ, SIWICKI ANDRZEJ	SCHULZ PATRYCJA (NATIONAL INLAND FISHERIES RESEARCH INSTITUTE, POLAND)
P168	6825	Single cell transcriptome sequencing of brown trout (<i>Salmo trutta</i>) immune cells – a baseline study	SCHMIDT-POSTHAUS HEIKE*, ORD JAMES, SAURA MARTINEZ HELENA, COXON QUINN, TALKER STEPHANIE, ADRIAN-KALCHHAUSER IRENE	SCHMIDT-POSTHAUS HEIKE (INSTITUTE FOR FISH AND WILDLIFE HEALTH, UNIVERSITY OF BERN, SWITZERLAND)

Vaccines

Nr		Title	Authors	Presenter
P169	7421	Development of a cross-protective bivalent glycovaccine against antimicrobial-resistant <i>Streptococcus agalactiae</i> and <i>Streptococcus iniae</i> for Finfish Aquaculture	ELUMALAI PREETHAM*, THOMPSON KIM D., DESBOIS ANDREW P., MONAGHAN SEAN J., PIRARAT NOPADON, HORTON DANIEL, SUBRAMANI PARASURAMAN AIYA, LAKSHMI SREEJA	ELUMALAI PREETHAM (COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, INDIA)
P170	7136	Development and evaluation of an oral vaccine for protection against red seabream iridovirus (RSIV) in barramundi (<i>Lates calcarifer</i>)	CHANG CHUN-KUEI*, WU YU-CHI	CHANG CHUN-KUEI (INSTITUTE OF FISHERIES SCIENCE, NATIONAL TAIWAN UNIVERSITY, TAIWAN)
P171	6980	Efficacy of Commercial Vaccines Available in Japan Against <i>Streptococcus iniae</i> in Six Salmonid Species	MORIMOTO NATSUKI*, UMEDA KOUSUKE, MAEDA TOMOKI, NAKAGAWA YUKIHIRO, TAKANO TOMOKAZU, MATSUYAMA TOMOMASA	MORIMOTO NATSUKI (JAPAN FISHERIES RESEARCH AND EDUCATION AGENCY, JAPAN)
P172	6916	Fishing for protection: Evaluating recombinant <i>Flavobacterium cova</i> vaccines	CHURCHMAN EMILY*, LANGE MILES, QUIROZ VICTORIA, DESILVA ASHLEY, XU TINGBI, SANKAPPA NITHIN, JUSTICE	CHURCHMAN EMILY (AUBURN UNIVERSITY, USA)

		in channel catfish with or without a dietary probiotic	MEGAN, ABERNATHY JASON, LILES MARK	
P173	7257	Proteomic profiling of the serological response to a chemically-inactivated nodavirus vaccine in European sea bass <i>Dicentrarchus labrax</i>	CHÉRIF NADIA*	CHÉRIF NADIA (INSTM, TUNISIA)
P174	7075	MASSIVE TRANSCRIPTOMIC FOR EVALUATING MATERNAL PRIMING IN EUROPEAN SEA BASS	CHAVES-POZO ELENA*, CERVERA LAURA, CUESTA ALBERTO, ARIZCUN MARTA	CHAVES-POZO ELENA (COMU-IEO, CSIC, SPAIN)
P175	7340	Booster immersion vaccination using hybrid lipid nanoparticle conferred prolonged protective immunity against <i>Aeromonas veronii</i> infection in red tilapia (<i>Oreochromis spp.</i>)	SUKKARUN PIMWARANG*, KITIYODOM SIRIKORN, YOSTAWONKUL JAKKAWAN, RODKHUM CHANNARONG, THOMSON KIM.D, PIRARAT NOPPADON	SUKKARUN PIMWARANG (FACULTY OF VETERINARY SCIENCE, RAJAMANGALA UNIVERSITY OF TECHNOLOGY SRIVIJAYA, NAKHON SI THAMMARAT, 80240, THAILAND)
P176	7311	Efficacy of Icthiovac LG vaccine against <i>Lactococcus garvieae</i> in European seabass (<i>Dicentrarchus labrax</i>)	KYRIAKOU ANDREAS*, BARATELLI MASSIMILIANO	KYRIAKOU ANDREAS (HIPRA, GREECE)
P177	6984	Live vaccine is a promising vaccine against nocardiosis in Japanese amberjack <i>Seriola quinqueradiata</i>	MATSUURA YUTA*, TAKANO TOMOKAZU, SHIMAHARA YOSHIKO, YOSHINO TOMOAKI, SAKAI TAKAMITSU, MATSUYAMA TOMOMASA	MATSUURA YUTA (JAPAN FISHERIES RESEARCH AND EDUCATION AGENCY, JAPAN)
P178	7303	Preservation of G Protein Structure Determines Immune Protection of Inactivated VHSV Vaccines in <i>Paralichthys olivaceus</i>	JUNG SUNG-JU, KIM JIN-YOUNG*, KIM HYEON-KYEONG, KWON YOUNG-HYEOK	KIM JIN-YOUNG (CHONNAM NATIONAL UNIVERSITY, SOUTH KOREA)
P179	7296	Comparative evaluation of cationic lipid-based nano vaccines for immersion vaccination against <i>flavobacterium oreochromis</i> in red tilapia (<i>Oreochromis SP.</i>)	KITIYODOM SIRIKORN*, KAMBLE MANOJ T., YOSTAWONKUL JAKARWAN, THOMPSON KIM D., PIRARAT NOPADON	KITIYODOM SIRIKORN (CENTER OF EXCELLENCE IN WILDLIFE, EXOTIC, AND AQUATIC ANIMAL PATHOLOGY, FACULTY OF VETERINARY SCIENCE, CHULALONGKORN UNIVERSITY, THAILAND)
P180	7293	Immersion delivery of cationic lipid-based mucoadhesive nano-vaccine enhances mucosal uptake and skin penetration in Striped catfish (<i>Pangasianodon Hypophtalmus</i>) against <i>edwardsiella Ictaluri</i>	YOSTAWONKUL JAKARWAN, KITIYODOM SIRIKORN, KAMBLE MANOJ T., SUKKARUN PIMWARANG, THOMPSON KIM D., NOPADON PIRARAT*	NOPADON PIRARAT (CENTER OF EXCELLENCE IN WILDLIFE, EXOTIC, AND AQUATIC ANIMAL PATHOLOGY, FACULTY OF VETERINARY SCIENCE, CHULALONGKORN UNIVERSITY, THAILAND)

P181	7282	Cetyltrimethylammonium bromide-based mucoadhesive nano vaccine delivered via immersion enhances mucoadhesion and skin penetration in Striped catfish (<i>Pangasianodon Hypophthalmus</i>) against <i>Edwardsiella ictaluri</i>	YOSTAWONKUL JAKARWAN*, KAMBLE MANOJ T., SUKKARUN PIMWARANG, THOMPSON KIM D., PIRARAT NOPADON	YOSTAWONKUL JAKARWAN (NATIONAL NANOTECHNOLOGY CENTER (NANOTEC), NATIONAL SCIENCE AND TECHNOLOGY DEVELOPMENT AGENCY (NSTDA), PATHUMTHANI 12120 THAILAND)
P182	7198	Immune response of Senegalese sole to a NNV protein-based vaccine	SOUTO SANDRA*, VAZQUEZ-SALGADO LUCÍA, SALGUEIRO-LAGO ANA, BARREIRO-IGLESIAS ANTÓN, BARREIRO-PIÑEIRO NATALIA, MARTINEZ-COSTAS JOSE, BANDÍN ISABEL	SOUTO SANDRA (ARCUS, UNIVERSIDADE DE SANTIAGO DE COMPOSTELA), SPAIN
P183	7197	Enhancing sole larvae immunity: <i>Artemia</i> nauplii as NNV oral vaccine carriers	VAZQUEZ-SALGADO LUCÍA, JADHAV SWAPNIL, BARREIRO-PIÑEIRO NATALIA, LÓPEZ-TEJEIRO ADRIÁN, MARTINEZ-COSTAS JOSE, BANDÍN ISABEL, SOUTO SANDRA*	SOUTO SANDRA (ARCUS, UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, SPAIN)
P184	7093	Developing mRNA vaccines for Atlantic salmon	FOSSUM KROG THEA*, SOO HAU KLAND IDA, TEIEN HAUGLAND GYRI	FOSSUM KROG THEA (UNIVERSITY OF BERGEN, NORWAY)
P185	7008	Orally delivered OMVs from <i>Photobacterium damsela</i> subsp. <i>piscicida</i> are efficiently taken up in the intestine of European sea bass and trout, highlighting their potential for oral fish vaccination	LOUREIRO INÊS, MENDES NUNO, DOS SANTOS NUNO MS, DO VALE ANA*	DO VALE ANA (I3S-INSTITUTO DE INVESTIGAÇÃO E INOVAÇÃO EM SAÚDE, UNIVERSIDADE DO PORTO, PORTUGAL)
P186	6966	Polyvalent DNA vaccines targeting salmon louse labial gland proteins	KAHRS INGEBORG EMILIE*, BORCHEL ANDREAS, NELSON PATRICK ALEXANDER, ØVERGÅRD AINA-CATHRINE	KAHRS INGEBORG EMILIE (UNIVERSITY OF BERGEN, NORWAY)
P187	6895	Cross protection efficacy test of an inactivated multivalent immersion vaccine against an intraperitoneal experimental challenge with <i>Yersinia Ruckeri</i> of different serotypes in <i>Salmo salar</i>	ALVAREZ DE HARO NEILA*, PARRA DAVID, BARATELLI MASSIMILIANO, VERDAGUER SENTMARTÍ JOEL, CALLOL AGNÈS, MERINO PÉREZ ROSA MARÍA, VICENTE RUBIANO MARINA	ALVAREZ DE HARO NEILA (HIPRA SCIENTIFIC, SPAIN)
P188	6693	Development and Evaluation of a Recombinant Protective Antigen-Based Vaccine Against <i>Bacillus cereus</i> Infection in	CHEN SHIH-CHU*, CHENG LI-WU, WANG PEI-CHI	CHEN SHIH-CHU (NATIONAL PINGTUNG UNIVERSITY OF SCIENCE AND TECHNOLOGY, TAIWAN)

		Asian Sea Bass (<i>Lates calcarifer</i>)		
P189	6285	Development of a recombinant S4 protein and nanoparticle-based vaccine for Tilapia Lake virus	LERTWANAKARN TUCHAKORN*, SURACHETPONG WIN	LERTWANAKARN TUCHAKORN (DEPARTMENT OF PHYSIOLOGY, FACULTY OF VETERINARY MEDICINE, KASETSART UNIVERSITY, BANGKOK, THAILAND)

Microbiomes

Nr		Title	Authors	Presenter
P190	7338	Microbial communities of farmed mussel <i>Mytilus galloprovincialis</i> and seawater in the estuary of Krka River in Croatia	TRUMBIĆ ŽELJKA*, ČURKO TENA, HRABAR JERKO, BOGDANOV LARISA	TRUMBIĆ ŽELJKA (UNIVERSITY OF SPLIT, DEPARTMENT OF MARINE STUDIES, CROATIA)
P191	7271	Bacterial community profiling reveals disease-associated changes in <i>Sarcotragus foetidus</i> sponges	STEINUM TERJE MARKEN*, TURGAY EMRE, YARDIMCI REMZIYE EDA, EVCEN ALPER, TOPALGLU BULENT, CINAR MEHLIN ERTAN, KARATAS SUHEYLA	STEINUM TERJE MARKEN (ISTANBUL UNIVERSITY, Turkey)
P192	7218	Effect of RAS and Seawater Transfer on the Gut Microbiome and Farming Performance of Atlantic Salmon	MENANTEAU-LEDOUBLE SIMON*, GILANNEJAD NEDA, TANG PATRIK, NILSEN MARIUS, PARRAS MOLTO MARCOS, GORISSEN MARNIX, DONOVAN MIRIAM EMILIE, SVEIER HARALD, GHARBI NAOUEL, EBBESSON LARS, SÁNCHEZ-CUETO PABLO, GHEMIS RADU	MENANTEAU-LEDOUBLE SIMON (NORCE NORWEGIAN RESEARCH CENTRE AS, Norway)
P193	7163	Microbial community structure of tapeworms tegument using electron microscopy and 16S rRNA sequencing	SOLOVYEV MIKHAIL*, PODDUBNAYA LARISA, ANDREE KARL, VLASENKO PAVEL, KASHINSKAYA ELENA	SOLOVYEV MIKHAIL (ISEA SB RAS, Russian Federation)

Climate Change

Nr		Title	Authors	Presenter
P194	7284	Variations in replication of different IPNV strains under diverse temperature conditions	GONZÁLEZ-ROSALES EMMA*, SOUTO SANDRA, OLVEIRA JOSÉ G., LÓPEZ-VÁZQUEZ CARMEN, P. DOPAZO CARLOS	GONZÁLEZ-ROSALES EMMA (ARCUS (UNIVERSIDADE DE SANTIAGO DE COMPOSTELA) SPAIN)

P195	7132	Nervous necrosis virus reassortment in adaptation to rising temperature	GONZÁLEZ-SEQUEIROS MAFALDA, SOUTO SANDRA, CUÑARRO MARÍA, OLVEIRA JOSÉ G., BANDÍN ISABEL*	BANDÍN ISABEL (ARCUS, UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, SPAIN)
P196	7130	Amino acid mutations in reassortant NNV strains isolated from wild fish drive low-temperature replication and influence host specificity	VAZQUEZ-SALGADOAZO LUCÍA, OLVEIRA JOSÉ G., JURADO-RODEYRO MARÍA, DOPAZO CARLOS P., BANDÍN ISABEL*	BANDÍN ISABEL (ARCUS, UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, SPAIN)
P197	7051	HEALTHSEA: Impact of global change on health status and robustness of juvenile European seabass (<i>Dicentrarchus labrax</i>)	JODET SYLVAIN, DANION MORGANE, LOUBOUTIN LENAIG*, HERVIO-HEATH DOMINIQUE, SERVILI ARIANNA, MORIN THIERRY, MAZURAS DAVID	LOUBOUTIN LENAIG (ANSES LABORATOIRE DE PLOUFRAGAN PLOUZANÉ NIORT UNITÉ VIMEP, FRANCE)

Genomic Approaches to Fish Pathology

Nr		Title	Authors	Presenter
P198	7275	Characterization of Interleukin-1 Receptor Beta (IL-1Rβ) and Its Immune Response against VHSV Infection in Olive Flounder (<i>Paralichthys olivaceus</i>)	PARK YONG JUN*, KIM GUN DO, YOO SEUNG HYUN, KIM JEONG GYU, CHO JEONG WOO, KIM JONG OH	PARK YONG JUN (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)
P199	7385	Identification of secretion systems in <i>Edwardsiella piscicida</i> genomes	BUJAN NOEMI*, E. TORANZO ALICIA, MAGARIÑOS BEATRIZ	BUJAN NOEMI (UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, SPAIN)
P200	7262	High-resolution genomic tracking of PMCV transmission pathways in farmed Atlantic salmon in the Faroe Islands	DAHL MARIA MARJUNARDÓTTIR*, PETERSEN PETRA ELISABETH, CHRISTIANSEN DEBES HAMMERSHAIMB	DAHL MARIA MARJUNARDÓTTIR (FAROESE FOOD AND VETERINARY AUTHORITY, FAEROE ISLANDS)
P201	7246	Metagenomic analysis of environmental samples for virus surveillance in Galicia (northwest of Spain)	GONZÁLEZ-ROSALES EMMA*, SOUTO SANDRA, OLVEIRA JOSÉ G., LÓPEZ-VÁZQUEZ CARMEN, P. DOPAZO CARLOS	GONZÁLEZ-ROSALES EMMA (ARCUS (UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, SPAIN))
P202	7156	Koi Herpes Virus Whole Genome Sequencing Using Nanopore Long Read Sequencing	SCOTT GEORGE*, RYDER DAVID, WOOD GARETH, SAVAGE JACQUELINE, PALEY RICHARD, BATISTA FREDERICO	SCOTT GEORGE (CEFAS, UNITED KINGDOM)
P203	7088	Genomics of <i>Tenacibaculum maritimum</i> in British Columbia (Canada) and in-silico investigations into immunogenics and virulence	NOWLAN JOSEPH*, HEESE BRIANNA, NGUYEN HAI, RUSSELL SPENCER	NOWLAN JOSEPH (UNIVERSITY OF GUELPH/VANCOUVER ISLAND UNIVERSITY, CANADA)

P204	7083	Longitudinal study of molecular and functional characteristics of <i>Saprolegnia</i> isolates from Scottish fish farms and investigation into control methods	TUMPA ISRAT JAHAN*, SHREVES KYPHER, MCLAGGAN DEBBIE, VAN WEST PIETER	TUMPA ISRAT JAHAN (UNIVERSITY OF ABERDEEN, UNITED KINGDOM)
P205	7054	16S rRNA NGS-based characterization of a <i>Flavobacterium</i>-driven skin pathology in rainbow trout	BROCCA GINEVRA*, ZAMPARO SAMUELE, MARRONI FABIO, RADOVIC SLOBODANKA, CASTELLANO CIRO, TORGE DIANA, BIANCHI SERENA, GROMAN DAVID, MACCHIARELLI GUIDO, MUSCATELLO LUISA VERA, VOLPATTI DONATELLA, ORIOLES MASSIMO	BROCCA GINEVRA (AQUATIC DIAGNOSTIC SERVICES, ATLANTIC VETERINARY COLLEGE, UNIVERSITY OF PRINCE EDWARD ISLAND, CANADA)
P206	7050	High-quality genome sequences enable in-depth studies of the genomic structure and pathogenic potential of <i>Aphanomyces astaci</i> genotypes	OBERHAENSLI SIMONE*, JEMMI ELIANE, NICHOLSON PAMELA, PISANO SIMONE, SCHMIDT-POSTHAUS HEIKE	OBERHAENSLI SIMONE (UNIVERSITY OF BERN, SWITZERLAND)
P207	7003	Vector Optimization for Efficient Expression of <i>Oplegnathus fasciatus</i> Interferon-Gamma in <i>Chlorella vulgaris</i>	SOHYEON JO, SOHYEON JO*, HEEJIN AHN, MIN-KWAN SUNG, TEAJIN CHOI, SUJIN JANG, SUYEON KIM	SOHYEON JO (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)

Immunostimulants, Prebiotics and Probiotics

Nr		Title	Authors	Presenter
P208	7435	Withdrawn		
P209	7245	Does timing matter: effects of β-glucan supplementation duration on the gut microbiome and health of juvenile nile tilapia	FINO HANISWITA AMRIZAL*, WIEGERTJES GEERT F, KOKOU FOTINI	FINO HANISWITA AMRIZAL (WAGENINGEN UNIVERSITY, NETHERLANDS)
P210	6906	Transcriptomic analyses in European seabass during <i>Vibrio anguillarum</i> infection: a beneficial modulation of disease response induced by marine synbiotic	LE BIHAN CLAIRE*, GRIPPON PAULINE, LANNUZEL GUILLAUME, DANION MORGANE, FLEURY YANNICK, MORIN THIERRY, GAUTIER CAMILLE, GIUDICELLI FANNY	LE BIHAN CLAIRE (MARINE AKWA, FRANCE)
P211	6812	Unraveling the mechanisms of freeze-dried <i>Lactiplantibacillus plantarum</i> in strengthening the immunity of <i>Penaeus vannamei</i>	GUZMAN JOHN PAUL MATTHEW*, NOZAKI REIKO, KONISHI KAYO, MWAMBURI SAMUEL MWAKISHA, AOKI MIKIO, KUWAHARA	GUZMAN JOHN PAUL MATTHEW (TOKYO UNIVERSITY OF MARINE SCIENCE AND TECHNOLOGY (JPN))

		shrimp against acute hepatopancreatic necrosis disease	HIROSHI, MIKATA KAZUKI, KOIWAI KEIICHIRO, KONDO HIDEHIRO, HIRONO IKUO	& INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE (PHL), JAPAN)
P212	7158	Algae-enriched diets improve the survival rate upon infection in juveniles of gilthead seabream (<i>Sparus Aurata</i>)	CHAVES-POZO ELENA*, MÉNDEZ-VIVANCOS FERNANDO, SÁEZ MARÍA ISABEL, ALARCÓN-LÓPEZ FRANCISCO JAVIER, MARTÍNEZ TOMÁS FRANCISCO, ARIZCUN MARTA	CHAVES-POZO ELENA (COMU-IEO, CSIC, SPAIN)
P213	7079	Antimicrobial peptide AP1 from microalgae as treatment for gilthead seabream (<i>Sparus aurata</i>) after hormonal disruption and bacterial challenge	CHAVES-POZO ELENA*, GARCÍA-BELTRÁN JOSÉ MARÍA, MÉNDEZ-VIVANCOS FERNANDO, ESTEBAN M. ÁNGELES, ARIZCUN MARTA	CHAVES-POZO ELENA (COMU-IEO, CSIC, SPAIN)
P214	7144	Probiotic Colonization and Antagonism of <i>Moritella viscosa</i> in Atlantic Salmon	STEEN DOBLOUG MARIUS*, FOYN NØRSTEBØ SIMEN, IAKHNO STANISLAV, SØRUM HENNING	STEEN DOBLOUG MARIUS (PREVIWO AS, NORWAY)
P215	7139	Supplementing the diet with <i>Pediococcus pentosaceus</i> enhances resistance to betanodavirus and ranavirus in groupers	WU YU-CHI*, CHANG CHUN-KUEI, LIN ZHE-LI, KAI YU-HSUAN, PENG MU-YUN	WU YU-CHI (INSTITUTE OF FISHERIES SCIENCE, NATIONAL TAIWAN UNIVERSITY, TAIWAN)
P216	7019	The effect of <i>Lactiplantibacillus</i> probiotic supplement on rainbow trout challenged with <i>Aeromonas salmonicida</i>	MIKULÍKOVÁ IVANA*, BANDOUCHOVÁ HANA, BLAHOVÁ JANA, PAPEŽÍKOVÁ IVANA, NOVOTNÁ HANA, LEPKOVÁ ZUZANA, TOULOVÁ IVONA, RADOJIČIĆ MARIJA, PALÍKOVÁ MIROSLAVA	MIKULÍKOVÁ IVANA (UNIVERSITY OF VETERINARY SCIENCES BRNO, CZECH REPUBLIC; MENDEL UNIVERSITY IN BRNO, CZECH REPUBLIC)
P217	6991	ANTI-BETANODAVIRUS ACTIVITY OF NATURAL SUBSTANCES OBTAINED FROM BACTERIA AND ALGAE	BÉJAR JULIA*, RAVINA CANDELA, ABDALA-DÍAZ ROBERTO T., ARIJO SALVADOR, GARCÍA-ROSADO ESTHER, ALONSO M. CARMEN	BÉJAR JULIA (UNIVERSITY OF MALAGA, SPAIN)
P218	6962	Dietary efficacy of immune modulator during cold stress in the Mediterranean species gilthead seabream (<i>Sparus aurata</i>)	CHEN I-TUNG*, ISERN-SUBICH MARIA MERCÈ, NUEZ-ORTÍN WALDO G.	CHEN I-TUNG (ADISSEO FRANCE SAS, SINGAPORE)
P219	6877	European sea bass beta-defensin is involved in anti-NNV response but its oral	CUESTA ALBERTO*, FERNÁNDEZ-HERNÁNDEZ FRANCISCO J., CERVERA LAURA, HERNÁNDEZ ELENA,	CUESTA ALBERTO (UNIVERSIDAD MURCIA, SPAIN)

		administration did not elicit any immunomodulation	COLLADO-GONZÁLEZ MAR, CÁRDENAS CONSTANZA, GUZMÁN FANNY, MERCADO LUIS, VALERO YULEMA, CHAVES-POZO ELENA	
P220	6876	Immunological role of beta-defensins in European sea bass immunity	CUESTA ALBERTO*, HERNÁNDEZ ELENA, CERVERA LAURA, FERNÁNDEZ-HERNÁNDEZ FRANCISCO J., COLLADO-GONZÁLEZ MAR, CÁRDENAS CONSTANZA, GUZMÁN FANNY, MERCADO LUIS, VALERO YULEMA, CHAVES-POZO ELENA	CUESTA ALBERTO (UNIVERSIDAD MURCIA, SPAIN)

Sea Lice

Nr		Title	Authors	Presenter
P221	7046	Classification of post-delousing mortality in farmed atlantic salmon: a case study	RINGSTAD NANNA KRISTINE*, PERSSON DAVID, STORMOEN MARIT, MIDTLYNG PAUL JOHAN	RINGSTAD NANNA KRISTINE (NMBU, NORWAY)
P222	6988	The local transcriptomic response of Atlantic salmon skin to salmon louse chalimi and adults	BORCHEL ANDREAS*, MIDTBØ HELENA MARIE DOHERTY, ØVERGÅRD AINA-CATHRINE	BORCHEL ANDREAS (UNIVERSITY OF BERGEN, NORWAY)

Myxozoa

Nr		Title	Authors	Presenter
P223	7147	Morphological, molecular, and Phylogenetic characterization of the first African species of Hennegoides (Myxozoa : Myxobolidae) parasite of Citharinus gibbosus from Kadey River in Cameroon	ONANA ATEBA NELLY ORNELLE*, LEKEUFACK FOLEFACK GUY BENOÎT, FADANKA WAPOUO STEPHANE, BERINYUY TATA GLORIA	ONANA ATEBA NELLY ORNELLE (UNIVERSITY OF YAOUNDE I, CAMEROON)
P224	7080	Occurrence of Kudoa sp. induced post-mortem myoliquefaction in Atlantic mackerel (Scomber scombrus) landed in Ireland	KIRALYOVA VIKTORIA*, BROPHY DEIRDRE, O'DWYER KATIE, TALBOT ANITA, GALLAGHER MICHAEL, GIULIETTI LUCILLA	KIRALYOVA VIKTORIA (MARINE AND FRESHWATER RESEARCH CENTRE, ATLANTIC TECHNOLOGICAL UNIVERSITY (ATU), GALWAY, IRELAND)
P225	6986	Infection of the gibel carp (Carassius auratus gibelio Berg,	SUHAIMI NADHIRAH SYAFIQAH*, CECH GÁBOR,	SUHAIMI NADHIRAH SYAFIQAH (HUN-REN

		1932) with myxozoan parasites in a pond farm of Hungary	MOLNÁR KÁLMÁN, SZÉKELY CSABA, SELLEYI BOGLÁRKA	VETERINARY RESEARCH INSTITUTE, HUNGARY)
P226	7069	Phylogeny and histopathology of three <i>Henneguya</i> species parasitizing the Amazonian fish <i>Cynodon gibbus</i>	FIGUEREDO RAYLINE T.A.*, LONG PAUL F., ADRIANO EDSON A.	FIGUEREDO RAYLINE T. A. (UNICAMP, BRAZIL)
P227	7368	Detecting the myxozoan parasite <i>Tetracapsuloides bryosalmonae</i> though highly invasive dreissenid mussels	AHMAD ALI SUHAYLAH, FUSIANTO CAHYA K., BUSZKIEWICZ JOHN, GORGOLIONE BARTOLOMEO*	GORGOLIONE BARTOLOMEO (FISH PATHOBIOLOGY AND IMMUNOLOGY LABORATORY, COLLEGE OF VETERINARY MEDICINE, MICHIGAN STATE UNIVERSITY, EAST LANSING, MI, USA)
P228	7341	Expansion of Proliferative Kidney Disease (PKD) in Rainbow Trout in Piedmont (Italy): Emerging Challenges for Regional Aquaculture	BONDAVALLI FABIO*, ESPOSITO GIUSEPPE, PASTORINO PAOLO, COLUSSI SILVIA, GINI MARTINA, MILANESE GIULIA, SCALA SONIA, BERGAMINO CINZIA, BOZZETTA ELENA, PREARO MARINO	BONDAVALLI FABIO (ISTITUTO ZOOPROFILATTICO SPERIMENTALE DEL PIEMONTE, LIGURIA E VALLE D'AOSTA, ITALY)
P229	7294	Survey of <i>Kudoa</i> spp. in Atlantic horse mackerel (<i>Trachurus trachurus</i>) in the Portuguese coast	GOMES TIAGO*, MEDEIROS MONALISA, ABEGÃO LEONOR, ALMEIDA LAURA, MENDES BEATRIZ, BARBOSA RICARDO, MOITA TOMÁS, MIRA INÊS, RAMOS SÓNIA, MUNHOZ ANA	GOMES TIAGO (FACULTY OF VETERINARY MEDICINE, LUSÓFONA UNIVERSITY; I-MVET; VETERINARY AND ANIMAL RESEARCH CENTRE (CECAV), PORTUGAL)
P230	7281	Morphological and phylogenetic analysis of two <i>Sphaerospora</i> (sensu stricto) parasitizing the kidney of white seabream <i>Diplodus sargus</i>	ROCHA SÓNIA*, ROCHA SÓNIA*, SÁ MÓNICA, SÁ MÓNICA, RANGEL LUÍS FILIPE, RANGEL LUÍS FILIPE, SEVERINO RICARDO, SANTOS MARIA JOÃO, SANTOS MARIA JOÃO, RODRIGUES PEDRO, RODRIGUES PEDRO, CASAL GRAÇA, CASAL GRAÇA, CASAL GRAÇA	ROCHA SÓNIA (SCHOOL OF MEDICINE AND BIOMEDICAL SCIENCES (ICBAS), UNIVERSITY OF PORTO, PORTUGAL)
P231	7205	Description of multivalvulidan myxosporean parasites infecting marine fishes caught from Angolan waters	AZEVEDO CARLOS, ANDRADE NAHYMA, ROCHA SÓNIA, ROCHA SÓNIA, CASAL GRAÇA*, CASAL GRAÇA*	CASAL GRAÇA (UCIBIO – APPLIED MOLECULAR BIOSCIENCES UNIT, 1H-TOXRUN, IUCS-CESPU, GANDRA, PORTUGAL)
P232	7169	Characterization and host-parasite interactions of <i>Myxobolus</i> n. sp. (Cnidaria:	MEIRA CAROLINE MUNHOZ, MILANIN TIAGO*, ADRIANO EDSON APARECIDO, MAIA	MILANIN TIAGO (UNIVERSIDADE DE

		Myxozoa) infecting the gills of a Brazilian bryconid	ANTONIO AUGUSTO MENDES	SÃO PAULO – USP, BRAZIL)
P233	7109	Myxozoans detected in the gallbladders of farmed marine fishes in Japan	OE REIKA*, CHINH NGUYỄN NGOC, ISHITANI HIROE, YOSHII KEISUKE, SHIRAKASHI SHO	OE REIKA (AQUACULTURE RESEARCH INSTITUTE, KINDAI UNIVERSITY, JAPAN)
P234	7078	In-Silico Investigation of Fungal Sequences in Myxozoan and Cnidarian Genomes: Evidence of Horizontal Gene Transfer and Evolutionary Implications	IBRAHIM AMR*, ADRIANO EDSON	IBRAHIM AMR (UNIVERSIDADE FEDERAL DE SÃO PAULO, BRAZIL)
P235	7076	Chloromyxum dasyatidis (Myxosporea: Chloromyxidae) a parasite of the common stingray Dasyatis pastinaca (L.) from Tunisian waters	BAHRI SIHEM*, ELLOUMI AMIRA, RANGEL LUIS F., QUILICHINI YANN, SANTOS MARIA J.	BAHRI SIHEM (UNIVERSITY OF TUNIS EL MANAR, FACULTY OF SCIENCES OF TUNIS, TUNISIA)
P236	7071	In-Silico Investigation of Fungal Sequences in Myxozoan and Cnidarian Genomes: Evidence of Horizontal Gene Transfer and Evolutionary Implications	ADRIANO EDSON, IBRAHIM AMR*	IBRAHIM AMR (INSTITUTO DE CIÊNCIAS AMBIENTAIS, QUÍMICAS E FARMACÊUTICAS, UNIVERSIDADE FEDERAL DE SÃO PAULO-UNIFESP, BRAZIL)
P237	7070	Amazonian Freshwater Ellipsomyxa (Cnidaria: Myxozoa): Insights into Taxonomy, Phylogeny, Host Specificity, and Ultrastructure	ADRIANO EDSON*, FIGUEREDO RAYLINE, MÜLLER MARIA I, CORRÊA LINCOLN, OKAMURA BETH, LONG PAUL	ADRIANO EDSON (INSTITUTO DE CIÊNCIAS AMBIENTAIS, QUÍMICAS E FARMACÊUTICAS, UNIVERSIDADE FEDERAL DE SÃO PAULO-UNIFESP, BRAZIL)
P238	7012	Is proliferative kidney disease serious problem in the rivers of the Czech Republic?	PALIKOVA MIROSLAVA*, POJEZDAL LUBOMÍR, NOVOTNÁ HANA, MOTLOVÁ JITKA, MIKULÍKOVÁ IVANA, PAPEŽÍKOVÁ IVANA, TOULOVÁ IVONA	PALIKOVA MIROSLAVA (1UNIVERSITY OF VETERINARY SCIENCES BRNO, CZECH REPUBLIC; 2MENDEL UNIVERSITY IN BRNO, CZECH REPUBLIC)
P239	6730	Monitoring of Tetracapsuloides bryosalmonae via eDNA: influencing environmental factors	SCHMIDT-POSTHAUS HEIKE*, STELZER MORITZ, DELALAY GARY	SCHMIDT-POSTHAUS HEIKE (INSTITUTE FOR FISH AND WILDLIFE HEALTH, UNIVERSITY OF BERN, SWITZERLAND)

Antimicrobial resistance and alternative treatments

Nr		Title	Authors	Presenter
P240	7318	Designing nanoformulations for the delivery of peptidase-sensitive antimicrobial against fish bacterial infections	MLADINEO IVONA*, ARAKELYAN ANUSH, YOSTAWONKUL JAKARWAN, GAJSKI GORAN, YATA TEERAPONG, MANDALAKIS MANOLIS, KATHARIOS PANTELIS, PIRARAT NOPADON, RODKHUM CHANNARONG	MLADINEO IVONA (IMAS, UNIVERSITY OF TASMANIA, AUSTRALIA)
P241	7250	Withdrawn		
P242	7238	White grape marc extracts as potential modulators of fish growth, immune status and disease resistance	SERRA CLAUDIA*, MAGALHAES RUI, CASTRO MIGUEL, SANTOS RAFAELA, ENES PAULA, BERMUDEZ ROBERTO, AZEVEDO ANA, PÉREZ-DÍAZ MARTIN, QUIROGA MARIA ISABEL, CELEIRO MARIA, LORES MARTA, COUTO ANA, OLIVA-TELES AIRES	SERRA CLAUDIA (CIIMAR-UP, PORTUGAL)
P243	7036	Withdrawn		
P244	7323	The surveillance of pathogens of veterinary importance and their antimicrobial resistance profiles (SPAMR-VET) – European Partnership on Animal Health and Welfare	BARON SANDRINE*, NILSEN HANNE, COLLINEAU LUCIE, SEKSE CAMILLA, URDAHL ANNE MARGRETE, HANSEN HAAKON, RIBEIRO DUARTEUARTE ANA SOFIA, SANDBERG MARIANNE	BARON SANDRINE (ANSES, FRANCE)
P245	7306	Feed administration of oregano oil loaded lauric acid cationic-nanostructured lipid carrier against <i>Streptococcus agalactiae</i> in Nile tilapia (<i>Oreochromis niloticus</i>)	PIRARAT NOPADON*, KUMANBUT RATIMA, KITIYODOM SIRIKORN, SIRIMANAPONG WANNA	PIRARAT NOPADON (CHULALONGKORN UNIVERSITY, THAILAND)
P246	7187	Florfenicol-induced alterations in Cytochrome P450 gene expression and enzyme activity in Nile Tilapia: mechanistic insight into synergistic antibiotic effects	CHOU CHI-CHUNG, YU-NAN TSAI, JU-YI HSIEH, HUI-CHIH HUNG, CHI-MING WU, HUAL-JHONG KE, CHEN WEN-YING*	CHEN WEN-YING (DEPARTMENT OF VETERINARY MEDICINE, NATIONAL CHUNG HSING UNIVERSITY, TAIWAN)
P247	7121	Molecular diversity of aquatic <i>Pseudomonas</i> spp. with inhibitory activity against <i>Saprolegnia</i> water mould (Oomycota)	VÁMOSI RÉKA*, ERDEI NOÉMI, KÓCZÁN PATRÍCIA, FARKAS MILÁN, KAJÁN GYŐZŐ, SIPOS DÓRA, SVÁB DOMONKOS, KASZAB EDIT, ESZTERBAUER EDIT	VÁMOSI RÉKA (HUN-REN VETERINARY MEDICAL RESEARCH INSTITUTE, HUNGARY)
P248	6996	Microalgae-Associated <i>Stenotrophomonas maltophilia</i> as a Reservoir and Disseminator of Plasmid-Mediated Antibiotic	AHN HEEJIN, AHN HEEJIN*, CHOI TAE-JIN, SUNG MIN-KWAN, KIM SU YEON, JANG SUJIN, JO SO HYEON	AHN HEEJIN (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)

		Resistance in Aquatic Pathogen Networks		
P249	6940	Antimicrobial susceptibility testing of <i>Aeromonas salmonicida</i>: one size fits all?	ARMSTRONG JENNY MARIKA, COLQUHOUN DUNCAN, GULLA SNORRE, URDAHL ANNE MARGRETE, BARON SANDRINE, NILSEN HANNE*	NILSEN HANNE (NORWEGIAN VETERINARY INSTITUTE, NORWAY)
P250	6934	Effects of starvation on the pharmacokinetics and withdrawal time of florfenicol in Nile tilapia (<i>Oreochromis niloticus</i>): implication on therapeutic efficacy	HSIEH MING-KUN*, WUKE HUAL-JHONG, WU CHI-MING, RAIAT TIRAWAT, TSAI YU-NAN, CHOU CHI-CHUNG	HSIEH MING-KUN (NATIONAL CHUNG HSING UNIVERSITY, TAIWAN)
P251	6875	Exploring the antiviral and antibacterial roles of European sea bass beta-defensins	CUESTA ALBERTO*, CERVERA LAURA, VALERO YULEMA, CÁRDENAS CONSTANZA, GUZMÁN FANNY, CHAVES-POZO ELENA	CUESTA ALBERTO (UNIVERSIDAD MURCIA, SPAIN)

Disease of unknown ethiology

Nr		Title	Authors	Presenter
P252	7358	New findings on hyperpigmentation in common dab (<i>Limanda limanda</i>)	ADAMEK MIKOLAJ*, KREBS TORBEN, ŚREDNIAWA FILIP, GABEL MICHAEL, JUNG-SCHROERS VERENA, SCHARSACK JÖRN PETER	ADAMEK MIKOLAJ (UNIVERSITY OF VETERINARY MEDICINE HANNOVER, GERMANY)
P253	7148	Deciphering mechanism of petechial skin rash in Gilthead seabream and European seabass	RUETTEN MAJA*, QI WEIHONG, CASCARANO MARIA CHIARA, KATHARIOS PANTELIS, MATEOS MELERO JOSÉ MARIA, HOTZ ADRIANA, THIERSCH MARKUS	RUETTEN MAJA (PATHOVET AG, SWITZERLAND)

Other

Nr		Title	Authors	Presenter
P254	7324	Aquaculture and fishery sector's attitudes about ESG standards, current implementation and future outlook in the Adriatic-Ionian region	PETRIC MIRELA*, TRUMBIC ZELJKA, CURKO TENA, KRSTULOVIC SIFNER SVJETLANA, NERLOVIC VEDRANA, GUGIC JOSIP, POLJAK VEDRAN	PETRIC MIRELA (UNIVERSITY OF SPLIT, DEPARTMENT OF MARINE STUDIES, CROATIA)
P255	7315	Integrated study on the biology and distribution of Red-mark syndrome-Midichloria-like organism in a Rainbow trout farm	SIVIGLIA YLENIA, VECCHIO DAVIDE, TEDESCO PERLA, ALLIEVI ALESSANDRO, FESCE ELISA, LOSI PAOLO, GAMMUTO LEANDRO, CROCI CARLO, BISAGLIA BEATRICE, MELIS	PIROLLO TERESA (DEPARTMENT OF VETERINARY MEDICAL SCIENCES, UNIVERSITY OF BOLOGNA, ITALY)

			SOPHIE, SERRA VALENTINA, PIROLLO TERESA*, GUSTINELLI ANDREA, QUAGLIO FRANCESCO, CASTELLI MICHELE	
P256	7280	Physiological differences in <i>Saprolegnia parasitica</i> strains	LAURIKAINEN OSSI*, HAVERINEN JAAKKO, KORKEA-AHO TIINA, JANHUNEN MATTI, VAINIKKA ANSSI	LAURIKAINEN OSSI (NATURAL RESOURCE INSTITUTE FINLAND / UNIVERSITY OF EASTERN FINLAND, FINLAND)
P257	7260	GRINNAQUA Project: Building Capacity for a more Sustainable Aquaculture	COSTAS BENJAMIN*, PEREIRA TÂNIA, AZEREDO RITA, MACHADO MARINA, RAMOS-PINTO LOURENÇO, TAFALLA CAROLINA, DIAZ-ROSALES PATRICIA, NIELSEN FRANK, ROBLEDO DIEGO, BEAN TIM, FERNÁNDEZ-BOO SERGIO	COSTAS BENJAMIN (CIIMAR, PORTUGAL)
P258	7259	GRINNAQUA Insights from Stakeholder Engagement: Addressing Challenges and Opportunities in Aquaculture	PEREIRA TÂNIA*, FERNÁNDEZ-BOO SERGIO, AZEREDO RITA, MACHADO MARINA, RAMOS-PINTO LOURENÇO, NIELSEN FRANK, BEAN TIM, ROBLEDO DIEGO, TAFALLA CAROLINA, DIAZ-ROSALES PATRICIA, COSTAS BENJAMIN	PEREIRA TANIA (CIIMAR, PORTUGAL)
P259	7248	investigating the expression of erythropoietin and erythropoietin receptor in atlantic salmon (<i>salmo salar</i>)	HJEMSÆTER THEA*, BJØRGEN HÅVARD, JOHANSEN IDA BEITNES, KOPPANG ERLING OLAF, NØRSTEBØ SIMEN FOYN	HJEMSÆTER THEA (NORWEGIAN UNIVERSITY OF LIFE SCIENCES (FACULTY OF VETERINARY MEDICINE, NORWAY))
P260	7210	Euthanasia of ornamental fish using clove oil	DISERENS NICOLAS*, BRUELHART LIVIA, CZICHELSKI LARA, DELALAY GARY	DISERENS NICOLAS (INSTITUTE FOR FISH AND WILDLIFE HEALTH, SWITZERLAND)
P261	7209	Stunning and humane killing of decapod crustaceans - a literature review	DISERENS NICOLAS*, DELALAY GARY	DISERENS NICOLAS (INSTITUTE FOR FISH AND WILDLIFE HEALTH, SWITZERLAND)
P262	7192	Withdrawn		
P263	7160	Fat necrosis - a key histological feature of melanized focal changes in farmed Atlantic salmon	BJØRGEN HÅVARD*, KOPPANG ERLING OLAF	BJØRGEN HÅVARD (NMBU FACULTY OF VETERINARY MEDICINE, NORWAY)
P264	7159	Microplastic occurrence in the digestive system of the European squid (<i>Loligo vulgaris</i>) from the Mediterranean Sea	FABRIZI FRANCESCA, MANCUSO MONIQUE*, PIRO MARIA GIOVANNA, FALLETTI ROSA, BRANCA CATERINA, CONTI NIBALI VALERIA, D'ANGELO GIOVANNA, BOTTARI TERESA	MANCUSO MONIQUE (CNR-IRBIM, ITALY)

P265	7157	A 3R approach for improving monitoring of salmon migration and health status	AXÉN CHARLOTTE*, WEIJMERS DANIEL, TÖRNQVIST ELIN	AXÉN CHARLOTTE (SWEDISH VETERINARY AGENCY, SWEDEN)
P266	7039	Impact and population dynamics in a German biofloc aquaculture: What happens in an aquaculture?	HAMMERL JENS ANDRE*, BARON SANDRINE, LEDEVENDEC LAETITIA, GOELLNER CORNELIA, NEKAT JONAS, MANTA DIANA, JAECKEL CLAUDIA	HAMMERL JENS ANDRE (GERMAN FEDERAL INSTITUTE FOR RISK ASSESSMENT, GERMANY)
P267	7009	Effect of disinfectants on water quality and colonization of fish by infectious organisms	ZUSKOVA ELIŠKA*	ZUSKOVÁ ELIŠKA (SOUTH BOHEMIAN UNIVERSITY IN ČESKÉ BUDĚJOVICE, CZECH REPUBLIC)
P268	6997	Development of an Auxotrophic Transformed Chlorella for Environmental Safety in Recombinant protein Production	SUNG MINKWAN*, AHN HEEJIN, JO SOHYEON, JANG SUJIN, KIM SUYEON, CHOI TAEJIN	SUNG MINKWAN (PUKYONG NATIONAL UNIVERSITY, SOUTH KOREA)
P269	6990	Opercular shortening and deformities in salmonids (Salmo salar and genus Oncorhynchus): A scoping review	ØSTEVIK LIV*, KJØNSTAD MARI, GUNDERSEN IDUN, KORTNER TROND, STORMOEN MARIT	ØSTEVIK LIV (NORWEGIAN UNIVERSITY OF LIFE SCIENCES, NORWAY)
P270	6987	Assessing the Current State of Farmed Fish Welfare in Finland: Insights from Stakeholder and Veterinary Surveys	WESTERBACK JENNI*, ERIKSSON-KALLIO ANNA MARIA, AIRAKSINEN SUSANNA, HELLSTRÖM ELLA, KAUPPINEN TIINA, KORKEA-AHO TIINA, RAUSSI SATU, VIELMA JOUNI	WESTERBACK JENNI (FINNISH FOOD AUTHORITY, FINLAND)
P271	6949	First case of Exophiala aquamarina infection in gilthead seabream (Sparus aurata), under intensive marine farming conditions in Greece	GOURZIOTI EVGENIA*, PAGONIS CHARALAMPOS, VASILAKI PHELLY, KLAUDATOS DIMITRIS	GOURZIOTI EVGENIA (IRIDA S.A., GREECE)
P272	6898	Structured risk source analysis: events and consequences involved in pathogen transmission – with examples from Atlantic cod farming	SANDLUND NINA*, QVILLER LARS, PATEL SONAL, WELI SIMON, SKÅR CECILIE, GREFSRUD ELEN SOFIE, ANDERSEN LASSE BERG	SANDLUND NINA (INSTITUTE OF MARINE RESEARCH, NORWAY)
P273	7518	Methodological Limitations in eDNA-Based Detection of Bonamia ostreae: Implications for Non-Invasive Oyster Health Monitoring	MADSEN LONE*, NAIR THIVIYA, KRAUSE KAMILLE ELVSTRØM, SGANGA DANIELA, SAUREL CAMILLE	MADSEN LONE (FISH AND SHELLFISH DISEASES, NATIONAL INSTITUTE OF AQUATIC RESOURCES (DTU AQUA))
P274	7349	Comparative assessment of Great Lakes salmonids pathobiology upon	GORGOGNONE BARTOLOMEO*, FUSIANO CAHYA K.	GORGOGNONE BARTOLOMEO (MICHIGAN STATE UNIVERSITY)

		<i>Tetracapsuloides bryosalmonae</i> infection		
P275	7140	Continuing education must drive food security for all		ALEXANDRE BELJEAN (WVEPAH)
P276	7015	Bloody Intruders: Gill Histopathology Caused by Aporocotyle Spinosicanalis Eggs in Merluccius Merluccius from the Catalan Coast (Nw Mediterranean)	MUNS PUJADAS LAURA, CONSTENLA MARIA, DALLARÉS SARA, VALMASEDA ANGULO MARTA, MONTERO FRANCISCO E., PADRÓS FRANCESC	LAURA MUNS PUJADAS, UNIV. AUTÒNOMA DE BARCELONA
P277		Elucidating CyHV-3 Susceptibility and Pathogenesis in North American Invasive Asian Carp Species Designing Biosensors for Quick and Accurate Detection of Koi Herpesvirus and Carp Edema Virus Water Quality and Microbial Assessment of a Reservoir for Aquaculture		Santosh Lamichhane , Fish Pathobiology and Immunology Laboratory (FPIL), College of Veterinary Medicine, Michigan State University, East Lansing, Michigan, USA Ivana Giovanna Zupičić , Laboratory for Diseases of Aquatic Animals, Croatian Veterinary Institute, Zagreb, Croatia Jacob Zornu , Norwegian Veterinary Institute, Ås, Norway

