

17th EAFP INTERNATIONAL CONFERENCE ON DISEASES OF FISH AND SHELL-FISH

Las Palmas de Gran Canaria, September 7-11th, 2015

ORGANISATION AND COMMITTEES

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Barcelos Congressos, Spain

PROGRAMME

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INFORMATION FOR PRESENTERS

PRESENTATION OF ORAL PAPERS

Numbers in front of the paper titles indicate the number of abstract shown in the Abstract book, where abstracts are sorted in numerical order. All oral presentations will be made in specific sessions, some of them will be introduced by a keynote. The total time allocated to each paper is **15 minutes**, but within this you should allow 2-3 minutes for discussion. So aim the time of your talk to be 12 minutes.

For much of the time there will be three parallel sessions. There will be three lecture rooms: Gran Canaria, Tenerife and Atlantico. These are all on the 0 floor. Therefore it is absolutely essential that speakers **keep to the time schedule and not exceed the time allocated to them**. Chairpersons are under strict instructions to stop any presentation that is running over time.

Workshops are located in the same rooms as oral presentations.

*Please deliver your presentation in the Speaker's preview room **at least twenty-four hours before your presentation is due**. This is to ensure that the technical staff have sufficient time to pass it to the appropriate lecture theatre prior to your session. Speakers preview room is available at the front desk, floor -2.*

PRESENTATION OF POSTERS

There are 220 posters, which have been grouped into various sessions. These are located in the hall-lobby of Polivalente room (floor 0).

Each poster has been allocated a number (eg **P-001**). This appears in front of the title of that poster in the poster programme and in the list of posters below. It also identifies the correct poster board. If you are presenting a poster, you should attach your poster to the poster board with the matching code in a way that leaves the number clearly visible. Please do not obscure anyone else's poster space.

Please note that posters should be mounted on Sunday afternoon or Monday morning and removed on Thursday at the end of the poster session and during the coffee break. **If you are a poster author, you should personally attend your poster during the session assigned to your poster** (see Poster session schedule, page 4).

Prizes for the best posters will be awarded during the EAFP Conference dinner on Thursday evening!

POSTER SESSION SCHEDULE

AUTHORS ARE ASKED TO BE IN ATTENDANCE

ALL POSTER SESSIONS RUN FROM 15:45 TO 16:30 DURING THE COFFEE BREAK

This scheme is to ensure that presenters are available to discuss their work at particular times. Poster sessions are linked to the oral sessions taking place on that particular day. However, several “topics” have multiple sessions (eg. virology and immunology). We encourage participants to contact presenters individually to arrange a time for more a detailed discussion during other poster sessions at the conference.

MONDAY, 7TH SEPTEMBER

P-001 – P-032	Viruses and viral diseases
P-033 – P-036	Immunostimulants, prebiotics and probiotics
P-037 – P-055	Parasitic diseases
P-056 – P-093	Fish and shellfish immunology

TUESDAY, 8TH SEPTEMBER

P-094 – P-100	Nutrition and fish health
P-101 – P-112	Aquatic animal epidemiology
P-113 – P-123	Emerging pathogens
P-124 – P-131	Bivalve and crustacean diseases
P-132 – P-133	EDQM WS

WEDNESDAY, 9TH SEPTEMBER

P-134 – P-155	Bacterial diseases
P-156 – P-165	Diagnostics
P-166 – P-175	Environmental and toxicological diseases
P-176 – P-192	Host-parasite interactions

THURSDAY, 10TH SEPTEMBER

P-193 – P-194	Aquatic animal welfare
P-195 – P-198	Diseases of public concern
P-199 – P-206	Prophylaxis and treatment
P-207 – P-212	Cephalopods immunity and diseases
P-213 – P-220	Diseases of wild and ornamental fish

PLEASE SEE THE FULL LISTING OF POSTERS (Page 42).

SCIENTIFIC PROGRAMME

ORAL PRESENTATIONS

MONDAY 7TH SEPTEMBER 2015

10.15-10.45	KCN Conference: Keynote presentation Polivalente
	CHALLENGING THE DOGMA DURING 40 YEARS IN FISH DISEASE RESEARCH Brian Austin

11.15-13.00	Viruses and viral diseases I Gran Canaria <i>Chairperson: Olga Haenen</i>	
11.15-11.45	KN-2	AQUATIC VERSUS NON-AQUATIC HERPESVIRUSES: SIMILARITIES AND DIFFERENCES A. Vanderplasschen*
11.45-12.00	O-001	FULL-LENGTH SEQUENCING AND ANALYSIS OF 25 CYHV-3 SPECIMENS REVEALS ATYPICAL GENOMES WITH HIGH DIVERGENCE S. Hammoumi, A. Santik, Z. Zainun, T. Vallaey, E. Borzym, S. Bergmann, C. Klopp, M. Engelsma, J.C. Avarre*
12.00-12.15	O-002	IDENTIFICATION OF PUTATIVE MICRO-RNAs IN CYHV-3 GENOME AND ANALYSIS OF THEIR EXPRESSION ALONG A LYTIC CYCLE S. Hammoumi, C. Fourré, T. Vallaey, O. Rue, C. Gaspin, N. Keck, J.C. Avarre*
12.15-12.30	O-003	ATLANTIC SALMON, <i>SALMO SALAR</i> L., POST-SMOLTS ARE MORE SUSCEPTIBLE TO SALMONID ALPHAVIRUS INFECTION DURING THE INITIAL PHASE AFTER SEA WATER TRANSFER J. Jarungsriapisit*, L. Moore, G.L. Taranger, T.O. Nilsen, S.O. Stefansson, P.G. Fjelldal, H.C. Morton, Ø. Evensen, S. Patel
12.30-12.45	O-004	SUSCEPTIBILITY OF ISOGENEIC GINBUNA <i>CARASSIUS LANGSDORFII</i> TO GOLDFISH HEMATOPOIETIC NECROSIS VIRUS (CyHV-2) AS A MODEL SPECIES A. Nanjo*, T. Shibata, M. Saito, K. Yoshii, M. Tanaka, T. Nakanishi, T. Sakamoto, G. Kato, M. Sano
12.45-13.00	O-005	GOLDFISH ORGAN EXTRACTS CAN ENHANCE PROPAGATION OF GOLDFISH HEMATOPOIETIC NECROSIS VIRUS IN CELL CULTURE T. Shibata*, A. Nanjo, M. Saito, K. Yoshii, T. Sakamoto, G. Kato, M. Sano

MONDAY 7TH SEPTEMBER 2015

11.15-13.00	Immunostimulants, prebiotics and probiotics Tenerife <i>Chairperson: Geert Wiegertjes</i>	
11.15-11.30	O-006	MACROPHAGES AS MEDIATORS OF (TRAINED) IMMUNITY G. Wiegertjes*, I. Fink, J. Petit
11.30-11.45	O-007	WHAT HAPPENS TO THE INTESTINAL MICROBIOTA OF THE COMMON CARP (<i>CYPRINUS CARPIO</i>) WHEN YOU COMBINE ORAL APPLICATION AND INJECTION OF β -GLUCAN? S.J. Harris*, M. Adamek, N. Kareem, S.L. Taylor, D. Steinhagen, D. Hool
11.45-12.00	O-008	THE EFFECT OF IMMUNOMODULATION ON LARVAL SURVIVAL AND IMMUNITY IN TURBOT (<i>SCOPHTHALMUS MAXIMUS</i>) J.J. Miest*, C. Arndt, M. Adamek, D. Steinhagen, T. Reusch WITHDRAWN
12.00-12.15	O-009	THE EFFECT OF A PROBIOTIC DELIVERED BY THREE DIFFERENT ROUTES IN RAINBOW TROUT (<i>ONCORHYNCHUS MYKISS</i>) AGAINST THREE DIFFERENT PATHOGENS S. LaPatra*, W. Shewmaker, R. Burkhart, A. Morton
12.15-12.30	O-010	EFFECTS OF PREBIOTIC AND PROBIOTIC SUPPLEMENTATION ON GROWTH PERFORMANCE AND GUT MORPHOLOGY OF EUROPEAN SEABASS (<i>DICENTRARCHUS LABRAX</i>) JUVENILES F. Rivero*, M.J. Caballero, S. Torrecillas, M.S. Izquierdo, D. Montero
12.30-12.45	O-011	STUDY ON USE OF <i>CHLORELLA VULGARIS</i> AS NATURAL IMMUNOSTIMULATOR IN ORDER TO INCREMENT OF IMMUNITY SYSTEM AGAINST VIRAL NERVOUS NECROSIS (VNN) AS NEW EMERGING DISEASE IN CASPIAN BROWN TROUT (<i>SALMO TRUTTA CASPIUS</i>) A. Saberi, M.E.J. Zorriehzahra*, H. Emadi, Sh. Kakolaki, S.M.R Fatemi
12.45-13.00	O-012	DIETARY SUPPLEMENTATION WITH THE $\Delta 5$ DESATURASE MUTANT OF <i>LOBOSPHAERA INCISA</i> (MICROALGAE) IN GUPPIES: EFFECT ON IMMUNE FUNCTION AND RESISTANCE TO INFECTION WITH <i>TETRAHYMENA</i> SP. I. Portugal*, I. Khozin-Goldberg, S. Boussiba, D. Zilberg

MONDAY 7TH SEPTEMBER 2015

11.15-13.00	Parasitic diseases Atlantico <i>Chairperson: Oswaldo Palenzuela</i>	
11.15-11.30	O-013	THE ECONOMIC COST OF PARASITIC DISEASE IN AQUACULTURE G. Paladini*, A.P. Shinn, J. Pratoomyot, J.E. Bron, E.E. Brooker, A.J. Brooker
11.30-11.45	O-014	MONITORING PARASITE INCIDENCE IN GILTHEAD SEA BREAM HELD IN EXPERIMENTAL AND PRODUCTION CAGES: LONG-TERM EFFECT OF A SUPPLEMENTED DIET ON FISH HEALTH O. Palenzuela*, C.L. Browdy, Y. Petropoulos, N. Katribouzas, R. Del Pozo, A. Sitjà-Bobadilla
11.45-12.00	O-015	HISTOLOGICAL EFFECTS AND IMPACT OF JUVENILE SPECIMENS OF <i>SPARICOTYLE CHRYSOPHRII</i> AND <i>ZEUXAPTA SERIOLAE</i> ON CULTURED GILTHEAD SEABREAM AND GREATER AMBERJACK FROM THE MEDITERRANEAN A. Repullés-Albelda*, F. Padrós, J.A. Raga, F.E. Montero
12.00-12.15	O-016	OCCURRENCE OF THE RENAL SPHAEROSPOROSIS CAUSED BY <i>SPHAEROSPOA EPINEPHELI</i> IN CAGE-CULTURED ORANGE-SPOTTED GROUPER <i>EPINEPHELUS COIOIDES</i> IN SOUTH CHINA SEA L.W. Xu, X.H. Liu, J.Y. Zhang*, J. Feng WITHDRAW
12.15-12.30	O-017	RNA-SEQ ANALYSIS OF INCIPIENT ENTEROMYXOSIS IN TURBOT (<i>SCOPHTHALMUS MAXIMUS</i>) P. Ronza*, D. Robledo, A.P. Losada, B.G. Pardo, R. Bermúdez, P. Martínez, M.I. Quiroga
12.30-12.45	O-018	DIFFERENTIAL SUSCEPTIBILITY OF YUKON RIVER AND SALISH SEA CHINOOK SALMON (<i>ONCORHYNCHUS TSHAWYTSCHA</i>) STOCKS TO <i>ICHTHYOPHONUS</i> D.G. Elliott*, C.L. McKibben, C.M. Conway, A. MacKenzie, L.M. Hart, M.K. Purcell, P.K. Hershberger
12.45-13.00	O-019	ANALYSIS OF THE ENDOCRINE HORMONE SYSTEM IN THE SALMON LOUSE: POSSIBLE TARGETS FOR CHEMICAL INTERVENTION? L. Sandlund*, F. Nilsen, R. Male, S. Dalvin

14.00-15.30	Fish and shellfish immunology I Gran Canaria <i>Chairperson: Bartolomeo Gorgoglione</i>	
14.00-14.15	O-020	CAN EXPRESSION LEVELS OF MUCIN AND CELL-CELL CONTACT GENES BE USED AS AN INDICATOR OF MUCOSAL IMMUNE RESPONSES? M. Adamek*, D. Hazerli, M. Michali, G. Brogden, M. Matras, D. Steinhagen
14.15-14.30	O-021	ANTIGEN SAMPLING CELLS IN GILL EPITHELIUM OF RAINBOW TROUT G. Kato*, T. Yamaguchi, U. Fischer
14.30-14.45	O-022	PROTEOME OF GILTHEAD SEABREAM (<i>SPARUS AURATA</i>) SKIN MUCUS AFTER PROBIOTIC FEEDING AND CROWDING STRESS H. Cordero*, P. Morcillo, A. Cuesta, M.F. Brinchmann, M.A. Esteban
14.45-15.00	O-023	MULTIPLE IRAK3 VARIANTS ARE ENCODED IN SALMONID FISH: THE FUNCTIONAL COPIES INHIBIT PATHOGEN-DEPENDENT SIGNAL TRANSFER A. Rebl*, M. Verleih, R.M. Brunner, H. Rebl, H.-M. Seyfert, T. Goldammer
15.00-15.15	O-024	TYPE I INTERFERONS SHOW STRONG ADJUVANT ACTIVITY IN DNA VACCINATION OF ATLANTIC SALMON AGAINST INFECTIOUS SALMON ANEMIA VIRUS C.J. Chang*, B.J. Sun, B. Robertsen
15.15-15.30	O-025	SENEGALESE SOLE (<i>SOLEA SENEGALENSIS</i>) ISG15: MOLECULAR CHARACTERIZATION AND <i>IN VIVO</i> INTERPLAY WITH VIRAL INFECTIONS D. Alvarez-Torres*, A.M. Podadera, I. Bandin, J. Bejar, E. Garcia-Rosado, M.C. Alonso

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14.00-15.00	Parasitic diseases II Tenerife <i>Chairperson: Aurélia Saraiva</i>	
14.00-14.15	O-026	CYTOKINE EXPRESSION WITHIN THE INTERBRANCHIAL LYMPHOID TISSUE OF ATLANTIC SALMON (<i>SALMO SALAR</i>) DURING AMOEBIC GILL DISEASE C.C. Norte dos Santos*, M.B. Adams, M.J. Leef, B.F. Nowak, S. Bird
14.15-14.30	O-027	BREEDING FOR AGD RESISTANCE IN ATLANTIC SALMON (<i>SALMO SALAR</i> L.) OF EUROPEAN ORIGIN V. Emilsen*, N. Santi, JS. Torgersen, J. Ødegaard, T. Moen, S. Kjøglum, SA. Korsvoll
14.30-14.45	O-028	COMPARISON OF THE INNATE IMMUNE RESPONSE OF DIPLOID AND TRIPLOID ATLANTIC SALMON (<i>SALMO SALAR</i>) TO EXPERIMENTAL CHALLENGE WITH <i>NEOPARAMOEBA PERURANS</i> , CAUSATIVE AGENT OF AMOEBIC GILL DISEASE L. Chalmers*, J. Taylor, W. Roy, A. Preston, H. Migaud, R.H. Richards, A. Adams
14.45-15.00	O-029	SUSCEPTIBILITY OF LUMPSUCKER, <i>CYCLOPTERUS LUMPUS</i> , TO INFECTION WITH <i>PARAMOEBA PERURANS</i> , AND SUBSEQUENT TRANSMISSION TO ATLANTIC SALMON, <i>SALMO SALAR</i> L., UNDER EXPERIMENTAL CONDITIONS. G. Haugland, A.B. Olsen, A. Rønneseth, L. Andersen*
15.00-15.15		
15.15-15.30		
15.30-15.45		

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14.00-15.30	Workshop: Arraina Atlantico - Open to all conference participants. <i>Chairperson: Daniel Montero</i>	
14.00-14.15	O-030	PRACTICAL NUTRIENT RECOMMENDATIONS IN TO ENSURE ROBUST ATLANTIC SALMON (<i>SALMO SALAR</i>) B.E. Torstensen*, E.J. Lock, N. Sissener, E. Holen, S. Remø, G.I. Hemre, R. Waagbø
14.15-14.30	O-031	EFFECTS OF DIETARY LIPIDS ON CORTISOL METABOLISM AND RESPONSE OF GLUCOCORTICOID RECEPTORS: A REVIEW D. Montero*, M.J. Caballero, G. Terova, S. Rimoldi, S. Torrecillas, L. Tort, M.S. Izquierdo
14.30-14.45	O-032	EFFECT OF NUTRITIONAL INTERVENTIONS ON IMMUNE RESPONSE AND GUT HEALTH OF GILTHEAD SEA BREAM (<i>SPARUS AURATA</i>) A. Sitjà-Bobadilla*, I. Estensoro, J. Caldach-Giner, B. Fouz, C.L. Browdy, A. Ortiz, J. Pérez-Sánchez
14.45-15.00	O-033	EFFECTS ON BONE MORPHOLOGY OF <i>SPARUS AURATA</i> FED DIETS HIGH IN VEGETABLE INGREDIENTS WITH DIFFERENT MICRONUTRIENT LEVELS D. Domínguez*, D. Montero, L.E. Robaina, K. Hamre, V. Karalazos, M.S. Izquierdo
15.00-15.15	O-034	REDUCTION OF BONE ANOMALIES INCIDENCES IN GILTHEAD SEABREAM LARVAE FED NUTRITIONALLY IMPROVED MICRODIETS M.S. Izquierdo*, D. Domínguez, C.M. Hernández-Cruz, R. Saleh
15.15-15.30	O-035	EFFECTS OF COMPLETE REPLACEMENT OF FISH MEAL AND FISH OIL BY VEGETABLE MEALS AND OIL ON HEALTH AND DISEASE RESISTANCE OF EUROPEAN SEA BASS <i>DICENTRARCHUS LABRAX</i> S. Torrecillas*, D. Mompel, M.J. Caballero, D. Montero, L. Robaina, V. Karalazos, S. Kaushik, M.S. Izquierdo
15.30-15.45		

16.30-18.00	Workshop: Mendelej Gran Canaria - Open to all conference participants. <i>Chairperson: Bartolomeo Gorgoglione</i>	
16.30-17.45	Nutrition and fish health Tenerife <i>Chairperson: Marisol Izquierdo</i>	
16.30-16.45	O-036	INFLUENCE OF FEED LIPID SOURCE ON KIDNEY MACROPHAGE RESPONSE IN TILAPIA (<i>OREOCHROMIS NILOTICUS</i> L.) J.A. García*, M. Villarroel
16.45-17.00	O-037	MICROBIAL FEED ADDITIVE ALLEVIATES INTESTINAL INFLAMMATION IN ATLANTIC SALMON V. Kiron*, G.K. Vasanth, A. Kulkarni, D. Dahle, J. Lokesh, Y. Kitani
17.00-17.15	O-038	FUNCTIONAL FEEDS WITH KRILL MEAL REDUCE HEART PATHOLOGY AND VIRAL LOAD IN HEART AND SPLEEN OF ATLANTIC SALMON (<i>SALMO SALAR</i>) AFTER EXPERIMENTALLY INDUCED INFECTION WITH PISCINE REOVIRUS (PRV) T. Sigholt*, Ø. Evensen, C. Wallace
17.15-17.30	O-039	TRANSCRIPTOMIC RESPONSE TO A FUNCTIONAL FEED DURING PISCINE REOVIRUS (PRV) INFECTION IN ATLANTIC SALMON (<i>SALMO SALAR</i>) Z. Heidari, J. Tinsley*, R. Bickerdike, T. Sigholt, A. Douglas, J. Zou, Ø. Evensen, C. Wallace, S.A.M. Martin
17.30-17.45	O-040	MONITORING OF ENVIRONMENTAL HEAVY METALS ACCUMULATION IN FISH MUSCLES FROM THE TWO LAKES IN MLADENOVAC MUNICIPALITY, BELGRADE AREA, SERBIA B. Petrujkić, D. Jovanović, R. Marković, J. Janjić, D. Jakić-Dimić, V. Teodorović, D. Šefer*
17.45-18.00		
18.00-18.15		

16.30-18.30	Aquatic animal epidemiology Atlantico <i>Chairperson: Dirk Kleingeld</i>	
16.30-16.45	O-041	THE RESULTS OF THE FIRST NATIONWIDE SURVEY ANALYSING CAUSES AND PREDISPOSING FACTORS FOR LOSS OF FISH THROUGHOUT THE ON-GROWING PERIOD AT SEA IN NORWEGIAN SALMONID AQUACULTURE H. Bleie*, A. Skrudland, M. Stormoen
16.45-17.00	O-042	DISEASE MANAGEMENT MITIGATES RISK OF PATHOGEN TRANSMISSION FROM FARMED SALMON S.R.M. Jones*, D.W. Bruno, L. Madsen, E.J. Peeler
17.00-17.15	O-043	OUTCOMES OF 30 YEARS FISH DISEASE CONTROL IN GERMANY D.W. Kleingeld*, A. Welzel
17.15-17.30	O-044	SPACE-TIME MODELLING OF THE SPREAD OF PANCREAS DISEASE WITHIN AND BETWEEN NORWEGIAN MARINE SALMONID FARMS M. Aldrin*, R.B. Huseby, P.A. Jansen
17.30-17.45	O-045	MOLECULAR TRACING CONFIRMS THAT INFECTION WITH INFECTIOUS PANCREATIC NECROSIS VIRUS (IPNV) FOLLOWS THE SMOLT FROM HATCHERY TO GROW OUT FARM A.B. Kristoffersen*, B. Bang Jensen, V. Aspehaug, O. Gjelstenli, O. Breck, M. Devold
17.45-18.00	O-046	RISK FACTORS FOR OUTBREAKS OF INFECTIOUS PANCREATIC NECROSIS (IPN) AND FOR MORTALITY IN NORWEGIAN SALMONID POSTSMOLTS B. Bang Jensen*, A.B. Kristoffersen
18.00-18.15	O-047	GENETICS OF VHSV IN EUROPE M. Cieslak, M. Baud, N. Diserens, M. Engelsma, O. Haenen, S. Mousakhani, N.J. Olesen, V. Panzarin, H.F. Skall, T. Wahli, H. Schütze*
18.15-18.30	O-048	<i>OSTREID HERPESVIRUS-1</i> mVAR: EPIDEMIOLOGICAL APPROACHES IN OUTBREAK INVESTIGATION, HYPOTHESIS PROPOSITION AND INTERVENTION STUDIES IN FARMED PACIFIC OYSTERS (<i>CRASSOSTREA GIGAS</i>) TO IDENTIFY RISK FACTORS FOR DISEASE CONTROL R. Whittington*, I. Paul-Pont, P. Hick, N. Dhand, O. Evans, A. Rubio

TUESDAY, 8TH SEPTEMBER 2015

9.00-10.45	Fish and shellfish immunology II Gran Canaria <i>Chairperson: Uwe Fischer</i>	
9.00-9.15	O-049	ANTIGEN UPTAKE IN ZEBRAFISH L.v.G. Jørgensen*, F. Mehrdana, P.W. Kania, M.H. Larsen, D. Frees, K. Buchmann
9.15-9.30	O-050	<i>AEROMONAS SALMONICIDA</i> INFECTION IN VACCINATED RAINBOW TROUT: INFLUENCE OF CHALLENGE METHODS AND ENVIRONMENTAL FACTORS ON CHALLENGE SUCCESS J.K. Chettri*, J. Skov, R.M. Jaafar, B. Krossøy, P.W. Kania, I. Dalsgaard, K. Buchmann
9.30-9.45	O-051	INNATE AND ADAPTIVE IMMUNE RESPONSES IN LUMPFISH (<i>CYCLOPTERUS LUMPUS</i> L.) G.T. Haugland*, A. Rønneseth, N. Vestvik, D.B. Ghebretnsae, H.I. Wergeland
9.45-10.00	O-052	TEMPERATURE DEPENDENT IMMUNE RESPONSE IN ATLANTIC LUMPFISH (<i>CYCLOPTERUS LUMPUS</i> L.) T. Erkinharju*, D.H. Knappskog, Ø.B. Vågnes, E. Isdal, R.A. Dalmo, T. Seternes
10.00-10.15	O-053	HEALTHY FISH IN AQUACULTURE: IS <i>SAA</i> AN APPROPRIATE MARKER FOR DESCRIPTION OF HEALTH IN MARAENA WHITE-FISH? M. Nipkow*, A. Rebl, T. Korytář, T. Goldammer
10.15-10.30	O-054	AGE-DEPENDENT IMMUNITY TO SALMON LICE, <i>LEPEOPHTHEIRUS SALMONIS</i> , IN PINK SALMON, <i>ONCORHYNCHUS GORBUSCHA</i> S.R.M. Jones*, L.M. Braden, B.F. Koop
10.30-10.45	O-055	DETERMINING THE PRESENCE AND ROLE OF AN ACQUIRED IMMUNE RESPONSE IN <i>SALMO SALAR</i> TO LARVAL SEA LICE INFECTIONS: A MUCOSAL APPROACH S. Monaghan*, H.-Y. Pang, C. McNair, S. Hamilton, A. Adams, D. Knox, J. Ireland, N. Jayasuriya, H. McDonald, R. Richards, P. Smith, W. Roy, D. Bassett, A. Preston, S. Boyd, F. Groves, C. Matthew, T. Kanellos, J. Bron

TUESDAY, 8TH SEPTEMBER 2015

9.00-10.45	Emerging pathogens I Tenerife <i>Chairperson: Snježana Zrnčić</i>	
9.00-9.15	O-056	TRANSMISSION OF PUFFY SKIN CONDITION IN RAINBOW TROUT <i>ONCORHYNCHUS MYKISS</i> (WALBAUM) BY CO-HABITATION CHALLENGE I. Cano*, D. Verner-Jeffreys, R. van Aerle, G. Rimmer, R. Paley, S.W. Feist
9.15-9.30	O-057	INFECTION WITH PISCINE REOVIRUS (PRV) FAILS TO CAUSE HEART AND SKELETAL MUSCLE INFLAMMATION (HSMI) IN ATLANTIC (<i>SALMO SALAR</i>) AND SOCKEYE SALMON (<i>ONCORHYNCHUS NERKA</i>) K.A. Garver, J.C. Bradshaw, G.D. Marty, H.N. Snyman, M.P. Polinski, J. Richard, D.B. Morrison, S.C. Johnson*
9.30-9.45	O-058	SALMON GILL POXVIRUS IS ASSOCIATED WITH ACUTE, HIGH MORTALITY IN ATLANTIC SALMON M.C. Gjessing*, T. Tengs, M. Alarcon, K.I. Lie, S. Ylving, B. Saure, L. Tran, O.B. Dale
9.45-10.00	O-059	MASS MORTALITIES IN BALTIC SEA EELPOUT (<i>ZOARCES VIVIPAROUS</i>) CAUSED BY A NEW RHABDOVIRUS M. Areskog*, E. Blomkvist, A. Alfjorden, M. Hakhverdyan, T.S. Boutrup, H. Ahola, F. Ljunghager, Å. Hagström, N.J. Olesen, M. Juremalm, M. Leijon, J.-F. Valarcher, C. Axén
10.00-10.15	O-060	CARP EDEMA VIRUS AND KOI SLEEPY DISEASE IN EUROPE - AN EMERGING ISSUE FROM AN OLD INFECTIOUS DISEASE B. Gorgoglione*, E. Lewisch, O. Schachner, M. El-Matbouli
10.15-10.30	O-061	<i>MORITELLA VISCOSA</i> IN ICELANDIC LUMPFISH T. Einarsdottir*, E. Benediktsdottir, J. Rau, S. Hjartardottir
10.30-10.45	O-062	EARLY MORTALITY SYNDROME (EMS) AS NEW EMERGING THREAT IN SHRIMP INDUSTRY M.E.J. Zorriehzahra*, R. Banaederakhshan

TUESDAY, 8TH SEPTEMBER 2015

9.00-10.45	Bivalve and crustacean diseases I Atlantico <i>Chairperson: Isabelle Arzul</i>	
9.00-9.30	K3	WHAT'S NEW IN BIVALVE MOLLUSC PATHOLOGY? OVERVIEW OF ARTICLES PUBLISHED IN THE LAST TWO YEARS A. Villalba
9.30-9.45	O-063	NEW ADVANCE ON UNDERSTANDING RESISTANCE TO OsHV-1 INFECTION IN <i>CRASSOSTREA GIGAS</i> B. Morga, I. Arzul*, N. Faury, C. Klopp, F. Escudie, T. Renault
9.45-10.00	O-064	WHEN LESS IS MORE: EFFECTS OF REDUCED SALINITY ON OSTREID HERPES VIRUS-1 μ Var INFECTION DEVELOPMENT AND MORTALITY IN THE PACIFIC OYSTER (<i>CRASSOSTREA GIGAS</i>) S.A. Lynch*, A. O'Reilly, S. Hutton, S.C. Culloty
10.00-10.15	O-065	THE FIRST DESCRIPTION OF NEW VIRUSES INFECTING THE SALMON LOUSE (<i>LEPEOPHTHEIRUS SALMONIS</i>) A.L. Økland*, A. Nylund, A.C. Øvergård, S. Blindheim, K. Watanabe, S. Grotmol, C.-E. Arnesen, H. Plarre
10.15-10.30	O-066	MOLECULAR MECHANISMS ASSOCIATED WITH WHITE SPOT SYNDROME VIRUS INFECTION/RESISTANCE IN <i>CARCINUS MAENAS</i> R. van Aerle*, B. Verbruggen, L.K. Bickley, K.S. Bateman, E.M. Santos, C.R. Tyler, G.D. Stentiford
10.30-10.45	O-067	EFFECTS OF PARASITES ON THE CONDITION OF MEDITERRANEAN MUSSEL (<i>MYTILUS GALLOPROVINCIALIS</i>) WITH RESPECT TO SOME BIOTIC AND ENVIRONMENTAL FACTORS A. Özer*, E. Çankaya, S. Güneydağ

11.15-13.00	Viruses and viral diseases II Gran Canaria <i>Chairperson: Niccolò Vendramin</i>	
11.15-11.30	O-068	IMMUNE RESPONSES IN SEA BASS (<i>DICENTRARCHUS LABRAX</i>) AND WHITE GROUPER (<i>EPINEPHELUS AENEUS</i>) EXPERIMENTALLY INFECTED WITH NERVOUS NECROSIS VIRUS (NNV) M. Ucko*, S. Ravid- Peretz, K. Tarrab
11.30-11.45	O-069	MOLECULAR DETERMINANTS OF BETANODAVIRUS IMMUNOREACTIVITY V. Panzarin*, A. Toffan, M. Abbadi, A. Buratin, M. Mancin, S. Braeen, C. M. Olsen, E. Rimstad, G. Cattoli
11.45-12.00	O-070	SUSCEPTIBILITY OF TURBOT (<i>PSETTA MAXIMA</i>) TO EXPERIMENTAL INFECTION WITH DIFFERENT BETANODAVIRUS STRAINS S. Souto*, J.G. Oliveira, I. Bandin
12.00-12.15	O-071	THE INTERACTION OF <i>BETANODAVIRUS</i> WITH THE CLAMS, <i>TAPES PHILIPPINARUM</i> S. Ciulli*, B. Brunetti, P. Serratore, E. Volpe
12.15-12.30	O-072	STUDIES ON <i>IN VITRO</i> REPLICATION AND STABILITY OF CYPRI- NID HERPESVIRUS 3 (CyHV-3) A.M. Becker*, A. Mletzko, A. Amtmann, J. Christian, H. Wedekind, M. Oberle, R. Buchholz
12.30-12.45	O-073	EXPERIMENTAL CO-INFECTIONS OF PISCINE ORTHOREOVIRUS AND SALMONID ALPHA VIRUS IN ATLANTIC SALMON (<i>SALMO SALAR</i>) M. Lund*, M.V. Røsæg, I.B. Nyman, Ø. Wessel, V. Aspehaug, S.M. Jørgensen, E. Rimstad, M.K. Dahle
12.45-13.00	O-074	SALMONID ALPHAVIRUS SUBTYPES 3 AND 2 DID NOT MULTIPLY IN BALLAN WRASSE T. Taksdal*, M. Vikan Røsæg, D. Persson, I. Modahl, O. Breck, D. Knappskog, A.B. Olsen, H. Sindre

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11.15-13.00	Host-parasite interactions I Tenerife <i>Chairperson: Laura M. Braden</i>	
11.15-11.30	O-075	DOES HOST PLOIDY AFFECT THE PARASITISM LEVEL? M. Dávidová*, P. Hyršl, M. Flajšhans, A. Šimková
11.30-11.45	O-076	DETECTION OF SALMONID ALPHAVIRUS IN EXPERIMENTALLY INFECTED DIPLOID AND TRIPLOID ATLANTIC SALMON FRY T. Herath*, A. Ashby, N. Jayasuriya, J. Bron, R. Richards, A. Adams, M. Weidmann, J. Taggart, J. Taylor, H. Migaud, K. Thompson
11.45-12.00	O-077	THE EUROPEAN CHUB (<i>SQUALIUS CEPHALUS</i>) AS A MODEL ORGANISM FOR STUDYING HOST-PARASITE INTERACTION AT THE MOLECULAR LEVEL M. Seifertová*, J. Jarkovský, A. Šimková
12.00-12.15	O-078	RESOLUTION OF <i>KUDOIA THYRSITES</i> INFECTION IS ASSOCIATED WITH INFILTRATION OF MHI β + CELLS IN ATLANTIC SALMON, <i>SALMO SALAR</i> L.M. Braden*, S.D. Cho, M.D. Fast, S.R.M. Jones
12.15-12.30	O-079	HOST SUSCEPTIBILITY TO INFECTION BY THE SALMON LOUSE, <i>LEPEOPHTHEIRUS SALMONIS</i> , INVOLVES RESPONSES BY SALMON AND PARASITE L.M. Braden*, B.J.G. Sutherland, D.R. Minkley, B.F. Koop, S.R.M. Jones
12.30-12.45	O-080	CHARACTERISATION OF CYSTEINE PROTEASES FROM THE SALMON LOUSE, <i>LEPEOPHTHEIRUS SALMONIS</i> , AND THEIR POTENTIAL AS VACCINE CANDIDATES C. McNair*, S. Monaghan, S. Hamilton, J. Ireland, D. Knox, J. Bron
12.45-13.00	O-081	DIFFERENTIAL INDUCTION OF IMMUNE GENE EXPRESSION IN DIFFERENT ATLANTIC SALMON (<i>SALMO SALAR</i> L.) TISSUES AT EARLY STAGES OF LICE INFECTION A.A.A. Gamil*, T.C. Guo, S. Mutoloki, S. Dalvin, C. Eichner, Ø. Evensen

11.15-12.45	Bivalve and crustacean diseases II Atlantico <i>Chairperson: Sharon A. Lynch</i>	
11.15-11.30	O-082	TWO PROTOZOAN PARASITES TAKE UP RESIDENCE IN A SAME POPULATION OF FLAT OYSTER, <i>OSTREA EDULIS</i> , IN RADE DE BREST, BRITTANY, FRANCE I. Arzul*, L. Baillon, B. Chollet, C. Dubreuil, C. Garcia, P. Heloury, M. Hussenot, D. Serpin, S. Pouvreau
11.30-11.45	O-083	LIFE IN THE SLOW LANE MAY BE A GOOD STRATEGY FOR AN OYSTER'S HEALTH: A SLOWER GROWING NATIVE FLAT OYSTER (<i>OSTREA EDULIS</i>) STOCK EXHIBITS REDUCED SUSCEPTIBILITY TO THE PROTISTAN PARASITE (<i>BONAMIA OSTREAE</i>) S.A. Lynch*, E. Brennan, G. Flannery, R. McAllen, S.C. Culloty
11.45-12.00	O-084	FIRST DETECTION OF <i>BONAMIA OSTREAE</i> IN NATIVE FLAT OYSTERS FROM THE LIMFJORD IN DENMARK L. Madsen*, H. Thomassen
12.00-12.15	O-085	APOPTOSIS: A DEFENSE MECHANISM USED BY THE FLAT OYSTER, <i>OSTREA EDULIS</i> , IN RESPONSE TO THE PROTOZOAN PARASITE <i>BONAMIA OSTREAE</i> O. Gervais*, B. Chollet, T. Renault, I. Arzul
12.15-12.30	O-086	PREVALENCE OF THE PROTOZOAN PARASITE (<i>HAPLOSPORIUM NELSONI</i>) OF THE EASTERN OYSTER (<i>CRASSOSTREA VIRGINICA</i>) IN THE DAMARISCOTTA ESTUARY, MAINE, USA. T.J. Bowden*, J. Vigue, J. Sicotte, K. Johndrow, N. Messerman
12.30-12.45	O-087	PERFORMANCE CHARACTERISTICS OF POLYMERASE CHAIN REACTION AND HISTOLOGICAL METHODS FOR THE DETECTION OF <i>HAPLOSPORIUM NELSONI</i> IN THE EASTERN OYSTER <i>CRASSOSTREA VIRGINICA</i> : APPLICATION TO SURVEILLANCE N. Gagné*, A. Veniot, M. Stephenson, C. McClure
12.45-13.00		

14.00-15.45	Bacterial diseases I Gran Canaria <i>Chairperson: Dražen Oraić</i>	
14.00-14.15	O-088	METAGENOMIC ANALYSES OF BACTERIAL FLORA IN THE POND WATER AND INTESTINE OF TILAPIA IN THAILAND T. Aoki*, U. Watanabe, H. Takeyama, W. Suda, S. Hattori, J. Hikima, M. Sakai, S. Unajak, M. Rapeepat, H.C. Wang, C.F. Lo
14.15-14.30	O-089	BACTERIAL DISEASES AND VACCINATION OF FARMED LUMP-FISH (<i>CYCLOPTERUS LUMPUS</i> L.) A. Rønneseth*, G.T. Haugland, E. Brudal, H.I. Wergeland
14.30-14.45	O-090	MOST IMPORTANT TILAPIA INFECTIOUS DISEASES (BACTERIAL AND VIRAL) IN HATCHERY PHASE TILL OFFER TO THE MARKET (GROW OUT PHASE) M.E.J. Zorriehzahra*, M.R. Mehrabi, S.T. Delshad, M. Addeh
14.45-15.00	O-091	SPECIFIC SUBTYPES OF ATYPICAL <i>AEROMONAS SALMONICIDA</i> REPRESENT A SIGNIFICANT RISK TO 'CLEANER FISH' USED IN NORWEGIAN SALMON FARMING S. Gulla*, B. Krossøy, Ø. Vågnes, D. Colquhoun
15.00-15.15	O-092	ROLE OF TYPE III SECRETION EFFECTORS OF <i>AEROMONAS SALMONICIDA</i> SUBSP. <i>SALMONICIDA</i> IN FURUNCULOSIS IN FISH F. Origi, P. van den Bergh, O. Benedicenti, T. Wahli, H. Segner, J. Frey*
15.15-15.30	O-093	APPLICATION OF <i>IN VIVO</i> INDUCED ANTIGEN TECHNOLOGY TO IDENTIFY GENES OF <i>AEROMONAS SALMONICIDA</i> SUBSP. <i>SALMONICIDA</i> THAT ARE SPECIFICALLY EXPRESSED IN THE HOST S. Menanteau-Ledouble*, M. El-Matbouli
15.30-15.45	O-094	PROTEIN-PROTEIN INTERACTIONS OF TRANSLOCATED EFFECTORS OF THE <i>EDWARDSIELLA ICTALURI</i> TYPE III SECRETION SYSTEM L. Dubytska, R. Thune*

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14.00-15.45	<p>Workshop: Novel viral infections of cyprinid fish Tenerife - Open to all conference participants. <i>Chairperson: Olga Haenen</i></p>
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14.00-15.45	<p>Workshop: EDQM Atlantico – Open to all conference participants. <i>Chairperson: Øystein Evensen and Celine Lorteau</i></p>	
14.00-14.40	O-095	<p>EUROPEAN PHARMACOPOEIA REQUIREMENTS FOR FISH VACCINES C. Lang*, C. Lorteau, Ø. Evensen</p>
14.50-15.15	O-096	<p>TOWARDS <i>IN VITRO</i> METHODS FOR POTENCY TESTING OF FISH VACCINES Ø. Evensen*, C. Lang, A.-M. Brady, C. Lorteau</p>
15.15-15.45		<p><i>Open discussion</i></p>

16.30-18.15	Bacterial diseases II Gran Canaria <i>Chairperson: Andrew Barnes</i>	
16.30-16.45	O-097	INTRAGENOMIC HETEROGENEITY IN THE 16S RRNA GENES OF <i>FLAVOBACTERIUM COLUMNARE</i> AND STANDARD PROTOCOL FOR GENOMOVAR ASSIGNMENT B.R. LaFrentz*, G.C. Waldbieser, T.J. Welch, C.A. Shoemaker
16.45-17.00	O-098	NEW PCR PRIMERS FOR <i>FLAVOBACTERIA</i> AND <i>TENACIBACULUM</i> SPECIES BASED ON 16S rRNA GENE SEQUENCING G. Guttormsdottir*, S. Hjartardottir, T. Einarsdottir
17.00-17.15	O-099	GENOTYPIC AND PHENOTYPIC CHARACTERIZATION OF NORWEGIAN <i>TENACIBACULUM</i> ISOLATES RECOVERED FROM SKIN ULCERS IN ATLANTIC SALMON S. Bang Småge*, Ø. Brevik, H. Duesund, K.F. Ottem, K. Watanabe, A. Nylund
17.15-17.30	O-100	NORWEGIAN <i>TENACIBACULUM</i> ISOLATES CAUSING ULCERATIVE DISEASE IN FIELD AND IN A CHALLENGE STUDY Ø. Brevik*, V. Vold, K.F. Ottem, A. Nylund
17.30-17.45	O-101	WHOLE GENOME SEQUENCING OF THE SALMONID PATHOGEN <i>YERSINIA RUCKERI</i> ISOLATED OVER 27 YEARS IN TASMANIA, AUSTRALIA REVEALS SLOW EVOLUTION OF TWO DISTINCT GENOTYPES WITHIN THE O1B SEROTYPE LEADING TO LOSS OF MOTILITY AND ENHANCED BIOFILM FORMATION A.C. Barnes*, J. Delamare-Deboutteville, R. Morrison, J. Carson
17.45-18.00	O-102	FLAGELLAR REGULATION IN <i>YERSINIA RUCKERI</i> DURING INFECTION A.K. Snyder, T.J. Welch*
18.00-18.15	O-103	SUSCEPTIBILITY OF DIFFERENT LUMPFISH (<i>CYCLOPTERUS LUMPUS</i>) FAMILIES TO <i>VIBRIO ORDALII</i> INFECTION M.S.W. Breiland*, L.-H. Johansen, H.E. Mikalsen, Ø.J. Hansen, T.M.K. Drangsholt, A. Mortensen
18.15-18.30		

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16.30-18.30	Diagnostics Tenerife <i>Chairperson: Sven Bergmann</i>	
16.30-16.45	O-104	SEROLOGICAL DIAGNOSTICS FOR FISH DISEASES – THE UNDERESTIMATED TOOL S.M. Bergmann*, M. Matras, N.J. Olesen, Th. Morin, J. Kempter
16.45-17.00	O-105	DEVELOPMENT OF MOBILE REAL TIME PCR ASSAYS FOR BIOMARKER DETECTION OF SMOLTIFICATION IN ATLANTIC SALMON (<i>SALMO SALAR</i>) M.J. McGowan*, S. MacKenzie, N. Steiropoulos, A. Dykes, M. Weidmann
17.00-17.15	O-106	DIAGNOSTIC VALIDATION OF THE ORF89 QUANTITATIVE PCR (QPCR) TEST FOR DETECTION OF CYPRINID HERPESVIRUS 3 (CyHV-3) S. Clouthier*, C. McClure, T. Schroeder, M. Lindsay, S. Khatkar, M. Desai, L. Hawley, G. Lowe, E. Anderson
17.15-17.30	O-107	DETECTION OF ANTIBODIES SPECIFIC TO KOI HERPESVIRUS (KHV) BY SERUM NEUTRALIZATION TEST J. Cabon, L. Louboutin, J. Castric, S.M. Bergmann, G. Bovo, M. Matras, O. Haenen, N. Jorgen Olesen, T. Morin*
17.30-17.45	O-108	POINT OF NEED MULTIPLEX REAL TIME PCR DETECTION ASSAY FOR THE DETECTION OF SAV, PRV AND PMCV M.J. McGowan*, B. Lopez-Jimena, M. Weidmann
17.45-18.00	O-109	THE YELLOWHEAD DISEASE COMPLEX: IT'S COMPLEX N.J.G. Moody*, P.G. Mohr, J. Hoad, L.M. Williams, R.O. Bowater, D.M. Cummins, J.A. Cowley, M.StJ. Crane
18.00-18.15	O-110	THE ASSESSMENT OF NEW RAPID DIAGNOSIS KIT FOR DETECTION OF VIRAL NERVOUS NECROSIS (VNN) DISEASE AND COMPARISON WITH HISTOPATHOLOGY AND HEMATOLOGY DIAGNOSIS METHODS IN MULLET FISH OF THE CASPIAN SEA M.E.J. Zorriehzahra*, M.R. Mehrabi, M. Ghiasi, G. Bovo, M. Ghasemi, S.H. Karisidani
18.15-18.30	O-111	ASSESSMENT OF THE INTRAEPITHELIAL STRUCTURES IN THE PYLORIC CAECA AND INTESTINE OF FARMED FINGERLING AND JUVENILE RAINBOW TROUT <i>ONCORHYNCHUS MYKISS</i> (WALBAUM, 1792) INFECTED WITH <i>SPIRONUCLEUS SALMONIS</i> P. Noguera*, R. Hopewell, C. Collins

16.30-17.30	Environmental and toxicological diseases Atlantico <i>Chairperson: Mark Powell</i>	
16.30-16.45	O-112	TRANCHEM PROJECT - TRANSGENERATIONAL EFFECTS OF A CHRONIC EXPOSURE TO PESTICIDE ON THE IMMUNE SYSTEM IN RAINBOW TROUT (<i>ONCORHYNCHUS MYKISS</i>) M. Danion*, J. Cabon, L. Louboutin, S. Le Floch, T. Morin
16.45-17.00	O-113	HARMFUL EFFECTS ON AFRICAN CLAWED FROG (<i>XENOPUS LAEVIS</i>) REPRODUCTION AS EXPRESSION OF HIGH WATER PHOSPHATES LEVELS M. Iannaccone*, F. Spanò, G. Postiglione, M. Campolo
17.00-17.15	O-114	EFFECTS OF THE JELLYFISH <i>CYANEA CAPILLATA</i> INTOXICATION OF ATLANTIC SALMON SMOLT (<i>SALMO SALAR</i> L.) M.D. Powell*, T. Dale, Å. Åtland
17.15-17.30	O-115	ABIOTIC FACTORS AND MIXED BACTERIAL INFECTION AS CAUSE OF MORTALITY IN CAGE REARED LENA STURGEON, <i>ACIPENSER BAERI</i> A.V. Kazarnikova*, H.V. Shestakovskaya, M. Galeotti, A.V. Trishina, A.A. Turchenko
17.30-18.30	Diseases of tuna Atlantico <i>Chairperson: Barbara Nowak</i>	
17.30-17.45	O-116	HOST-PARASITE INTERACTIONS IN BLOOD FLUKE INFECTIONS OF TUNA B. Nowak*, A. Bridle, Y. Pennacchi, M. Polinski, S. Shirakashi
17.45-18.00	O-117	TRANSCRIPTOMIC AND ULTRASTRUCTURAL CHANGES OF THE ATLANTIC BLUEFIN TUNA <i>THUNNUS THYNNUS</i> (LINNAEUS, 1758) GILL EPITHELIUM INFECTED WITH <i>DIDYMOSULCUS KATSUWONICOLA</i> (POZDNYAKOV, 1990) Ž. Trumbić*, J.B. Taggart, J.E. Bron, I. Bočina, I. Mladineo
18.00-18.15	O-118	EXPRESSION OF PROINFLAMMATORY CYTOKINES IL-1 β , TNF α 1 AND TNF α 2 INDUCED BY PAMPs AND GILL PARASITIC INFECTIONS IN THE ATLANTIC BLUEFIN TUNA (<i>THUNNUS THYNNUS</i>) PERIPHERAL BLOOD LEUKOCYTES AND GILLS I. Lepen Pleić, I. Bušelić, Ž. Trumbić, I. Bočina, M. Šprung, I. Mladineo*
18.00-18.15	O-119	HISTOPATHOLOGICAL ALTERATIONS INDUCED BY GILL AND SKIN PARASITIC INFECTIONS IN THE ATLANTIC BLUEFIN TUNA (<i>THUNNUS THYNNUS</i>) AND ITS INNATE RESPONSE MODELED <i>IN VITRO</i> I. Lepen Pleić, I. Bušelić, J. Hrabar, M. Šprung, I. Bočina, I. Mladineo*

WEDNESDAY, 9TH SEPTEMBER 2015

9.00-10.45	Bacterial diseases III Gran Canaria <i>Chairperson: Felix Acosta</i>	
9.00-9.15	O-120	<i>VIBRIO SPLENDIDUS</i> AND <i>VIBRIO AESTUARIANUS</i> ASSOCIATED WITH MORTALITY EVENTS IN SHELLFISH IN SCOTLAND H. Stagg*, J. Black, E. Munro, U. McCarthy
9.15-9.30	O-121	PROTEOMIC ANALYSIS OF <i>VIBRIO ORDALII</i> REVEALS IRON-REGULATED PROTEINS RELATED TO VANCHRIBACTIN AND PISCIBACTIN-LIKE SIDEROPHORES P. Ruiz*, M. Balado, C. Hidalgo, A.E. Toranzo, M.L. Lemos, R. Paredes, R. Avendaño-Herrera
9.30-9.45	O-122	FUNCTIONAL AND MUTATIONAL ANALYSIS OF <i>cpsG</i> AND <i>cpsE</i> IN THE CAPSULAR OPERON OF <i>STREPTOCOCCUS INIAE</i> IMPLICATE <i>cpsG</i> IN SEROTYPE SWITCHING AND VACCINE ESCAPE AND REVEAL A DISTINCT OPERON ARRANGEMENT FOR WZY-DEPENDENT CPS BIOSYNTHESIS IN <i>S. INIAE</i> A.C. Barnes*, C.M. Heath, C.M. Gillen, M.J. Walker
9.45-10.00	O-123	MEMBRANE PROTEOME PROFILE OF <i>STREPTOCOCCUS INIAE</i> FROM TWO DIFFERENT HOSTS BY SHAVING APPROACH F. El Aamri*, D. Padilla, F. Real, L. Román, J. Bravo, S. Déniz, F. Acosta
10.00-10.15	O-124	FIRST REPORT OF <i>STREPTOCOCCUS PARAUBERIS</i> FROM TURKEY Z.H. Bektas*, F.B. Ucar, S. Savaşer
10.15-10.30	O-125	OUTBREAKS OF <i>PSEUDOMONAS ANGUILLISEPTICA</i> IN CULTURED AYU <i>PLECOGLOSSUS ALTIVELIS</i> IN JAPAN Y. Shimahara*, I. Kiryu, Y. Kawato, T. Nishioka, K. Yuasa, S. Miwa, T. Kamaishi, N. Oseko, M. Hosaka, T. Nakai
10.30-10.45	O-126	CHARACTERIZATION OF <i>PISCIRICKETTSIA SALMONIS</i> FROM CHILEAN AND CANADIAN SALMONIDS A. Otterlei, D. Jensen, H. Duesund, Ø.J. Brevik, I. Sommerset, P. Frost, J. Mendoza, P. McKenzie, A. Nylund, T. Utne, S. Johannessen, P. Apablaza*

9.00-10.45	Host-parasite interactions II Tenerife <i>Chairperson: Ariadna Sitjà-Bobadilla</i>	
9.00-9.15	O-127	ARE BROWN TROUT AND RAINBOW TROUT TWO OF A KIND? A SPECIES COMPARISON OF INFECTION BY <i>TETRACAPSULOIDES BRYOSALMONAE</i> T. Wahli*, C. Bailey, H. Schmidt-Posthaus, H. Segner, N. Strepparava
9.15-9.30	O-128	CHARACTERIZATION OF GENES RESPONSIBLE FOR SPOROGENESIS OF <i>TETRACAPSULOIDES BRYOSALMONAE</i> IN BROWN TROUT (<i>SALMO TRUTTA</i>) AND RAINBOW TROUT (<i>ONCORHYNCHUS MYKISS</i>) G. Kumar, S. Menanteau-Ledouble, M. El-Matbouli*
9.30-9.45	O-129	PROLIFERATIVE KIDNEY DISEASE (PKD) IN SALMONIDS: DRIVEN BY INCREASED WATER - TEMPERATURE? N. Strepparava*, H. Schmidt-Posthaus, H. Segner, T. Wahli
9.45-10.00	O-130	DEVELOPMENT OF AN <i>IN VITRO</i> MODEL TO STUDY SALMONID INNATE IMMUNE RESPONSES TO <i>PARAMOEBA PERURANS</i> I. Cano, A. Bayley, S. Gunning, R. Paley*
10.00-10.15	O-131	AMOEBIC GILL DISEASE CHALLENGE AND INFECTION IN ATLANTIC SALMON AND RAINBOW TROUT UNDER LABORATORY CONDITIONS – INFECTION DYNAMICS AND COHABITATION INFECTION. M.D. Powell*, L. Andersen, A. Litlabø, S. Nylund, S. Blindheim, A. Nylund
10.15-10.30	O-132	PROTEOMICS TO STUDY AMOEBIC GILL DISEASE IN FARMED ATLANTIC SALMON <i>SALMO SALAR</i> M. Marcos-López*, H.D. Rodger, I. O'Connor, M. Braceland, D. Eckersall, E. MacCarthy
10.30-10.45	O-133	DIFFERENTIALLY EXPRESSED PROTEINS IN GILL AND SKIN MUCUS OF ATLANTIC SALMON (<i>SALMO SALAR</i>) AFFECTED BY AMOEBIC GILL DISEASE V. Valdenegro-Vega*, P. Crosbie, A. Bridle, M. Leef, R. Wilson, B. Nowak

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9.00-10.30	Aquatic animal welfare I Atlantico <i>Chairperson: Klaus Knopf</i>	
9.00-9.30	K4	ANIMAL BASED WELFARE INDICATORS: A BIOMEDICAL APPROACH TO FISH WELFARE. SOME COMMENTS ON RECENT CHANGES IN LEGISLATION ON ANIMAL TRIALS P. Midtlyng
9.30-9.45	O-134	PRODUCTION SCALE RAS-FARMING: A FOLLOW-UP STUDY ON WATER PARAMETERS, FISH HEALTH AND WELFARE A.M. Eriksson-Kallio*, K. Pelkola, T. Kiuru
9.45-10.00	O-135	INFLUENCE OF A DENITRIFICATION - MEMBRANE - REACTOR ON THE BACTERIAL MICROFLORA IN A RECIRCULATING AQUACULTURE SYSTEM V. Jung-Schroers*, M. Adamek, A. Boley, A. Korshun, D. Steinhagen
10.00-10.15	O-136	FISH-FRIENDLY PROPHYLAXIS/DISINFECTION IN AQUACULTURE: LOW CONCENTRATION OF PERACETIC ACID IS STRESS-FREE TO THE CARP (<i>CYPRINUS CARPIO</i>) AFTER REPEATED APPLICATIONS D. Liu*, L.-F. Pedersen, D.L. Straus, T. Meinelt
10.15-10.30	O-137	IMPACT OF STOCKING DENSITY ON STRESS PARAMETERS AND THE IMMUNE STATUS OF PIKEPERCH (<i>SANDER LUCIOPERCA</i>) K. Knopf*, M.E. Garcia, S. Krämer, T. Preuer, W. Kloas

11.15-13.00	Viruses and viral diseases III Gran Canaria <i>Chairperson: Britt Bang Jensen</i>	
11.15-11.30	O-138	ULTRA-DEEP SEQUENCING OF VHSV ISOLATES CONTRIBUTES TO UNDERSTANDING THE ROLE OF VIRAL QUASISPECIES IN VIRUS VARIABILITY A.A. Schönherz, N. Lorenzen*, B. Gulbrandtsen, B. Buitenhuis, K. Einer-Jensen
11.30-11.45	O-139	VIRAL HAEMORRHAGIC SEPTICAEMIA VIRUS (VHSV): ON THE SEARCH FOR DETERMINANTS IMPORTANT FOR VIRULENCE IN RAINBOW TROUT <i>ONCORHYNCHUS MYKISS</i> N.J. Olesen*, H.F. Skall, J. Kurita, K. Mori, T. Ito
11.45-12.00	O-140	SPECIFIC POSITIONS IN THE 3'-UTR REGION OF VHS VIRUS DICTATE VIRULENCE <i>IN VITRO</i> AND <i>IN VIVO</i> S.-H. Kim, T.C. Guo, V. Vakharia, Ø. Evensen*
12.00-12.15	O-141	INACTIVATION OF VHSV BY INFILTRATION AND SALT UNDER EXPERIMENTAL CONDITIONS H.F. Skall*, C. Jørgensen, N.J. Olesen
12.15-12.30	O-142	VIRAL HAEMORRHAGIC SEPTICAEMIA VIRUS LEVELS IN WASTE WATER PRODUCED DURING GUTTING AND FILLETING PRE-CLINICALLY INFECTED RAINBOW TROUT C. Joiner*, R. Paley, B. Oidtmann
12.30-12.45	O-143	NOVEL VIRAL INFECTIONS IN ATLANTIC SALMON (<i>SALMO SALAR</i> L.) H. Sigurðardóttir*, B.P. Bragason, S. Guðmundsdóttir
12.45-13.00	O-144	SUSCEPTIBILITY OF ATLANTIC SALMON (<i>SALMO SALAR</i>) TO A NEW VIRUS ASSOCIATED WITH HEART INFLAMMATION AND ANAEMIA IN RAINBOW TROUT (<i>ONCORHYNCHUS MYKISS</i>) H. Hauge*, T. Taksdal, Ø. Wessel, A.-G. Gjevre, M.J. Hjortaaas, A.B. Olsen, M. Dahle

WEDNESDAY, 9TH SEPTEMBER 2015

11.15-13.00	Emerging pathogens II Tenerife <i>Chairperson: Marco Galeotti</i>	
11.15-11.30	O-145	<i>PISCIRICKETTSIA SALMONIS</i> INFECTION IN EUROPEAN SEA BASS – AN EMERGING DISEASE IN MEDITERRANEAN MARICULTURE S. Zrnčić*, N. Vendramin, T.S. Boutrup, M. Boye, M.S. Bruun, D. Brnić, D. Oraić
11.30-11.45	O-146	EPITHELIOCYSTIS IN FARMED ORANGE-SPOTTED GROUPER (<i>EPINEPHELUS COIOIDES</i>) A. Taylor-Brown, A. Bridle, T. Miller, B. Nowak*, P. Timms, A. Polkinghorne
11.45-12.00	O-147	KEY VIRULENCE FACTORS OF <i>PHOTOBACTERIUM DAMSELAE</i> SUBSP <i>DAMSELAE</i> AND SUBSP <i>PISCICIDA</i> ARE ENCODED WITHIN MOBILE GENETIC ELEMENTS C.R. Osorio*, M. Balado, A.J. Rivas, B. Puentes, A. Vences, M.L. Lemos
12.00-12.15	O-148	TAIL AND FIN ROT BACTERIA IN WILD AND FARMED FISH IN ICELAND. STRAIN DIVERSITY AND INFECTION ROUTE S. Hjartardottir*, G. Guttormsdottir, T. Einarsdottir
12.15-12.30	O-149	INVESTIGATION ON <i>TETRACAPSULOIDES BRYOSALMONAE</i> LIFE-CYCLE IN BRYOZOAN <i>FREDERICELLA SULTANA</i> FOLLOWING THE FIST PKD OUTBREAK IN AUSTRIA B. Gorgoglione*, M. Kotob, G. Unfer, M. El-Matbouli
12.30-12.45	O-150	PANCREAS DISEASE – WILL THE DIFFERENT PD SITUATION IN THE SOUTH AND MID PART OF NORWAY CONTRIBUTE TO MAINTAIN THE CHALLENGE PRESSURE AND FURTHER SPREAD OF THE DISEASE? T. Hovland*, L. Melstveit
12.45-13.00	O-151	EFFECT OF PD-VACCINATION ON SHEDDING OF SPDV POST CHALLENGE K. Ulven*, I. Sommerset, P. Skjold, A. Tangerås, P. Frost, S. Villoing

11.15-12.00	Aquatic animal welfare II Atlantico <i>Chairperson: Verena Jung-Schroers</i>	
11.15-11.30	O-152	THE STRESS HORMONE CORTISOL DIRECTLY IMPACTS <i>FLAVO-BACTERIUM COLUMNARE IN VITRO</i> GROWTH CHARACTERISTICS A.M. Declercq*, J. Aerts, B. Ampe, F. Haesebrouck, S. De Saeger, A. Decostere
11.30-11.45	O-153	EFFECT OF TEMPERATURE AND DIET ON WOUND HEALING IN ATLANTIC SALMON (<i>SALMO SALAR</i> L.) L.B. Jensen*, T. Wahli, C. McGurk, T.B. Eriksen, A. Obach, R. Waagbø, A. Handler, C. Tafalla
11.45-12.00	O-154	DEVELOPMENT OF AN EVALUATION SCORE FOR EXAMINATION AND COMPARISON OF METHODS AND PROCEDURES FOR STUNNING AND SLAUGHTERING OF RAINBOW TROUT (<i>ONCORYNCHUS MYKISS</i>) AND CARP (<i>CYPRINUS CARPIO</i>) V. Jung-Schroers*, J. Hellmann, K. Retter, D. Steinhagen
12.00-13.00	Diseases of public concern Atlantico <i>Chairperson: Ivona Mladineo</i>	
12.00-12.15	O-155	GENOME SEQUENCING OF FOUR STRAINS OF <i>EDWARDSIELLA IC-TALURI</i> FROM THE MEKONG DELTA REVEALS HIGH SIMILARITY TO MEGAPLASMIDS PREVIOUSLY DESCRIBED IN HUMAN PATHOGENS A. Klevan*, T.T. Vo, P.T. Nguyen, P.D. Tran, T.H.T. Nguyen, A. Nygaard, M. Bordevik, K. Gravningen
12.15-12.30	O-156	HISTOPATHOLOGICAL EVIDENCE OF MYCOBACTERIOSIS IN MULLET FROM SARDINIAN LAGOONS (CENTRAL-WESTERN MEDITERRANEAN) E. Antuofermo*, R. Ariu, M. Polinas, A. Pais, T. Cubeddu, M.A. Sanna, V. Vitiello, M. Prearo
12.30-12.45	O-157	RISK FACTOR ANALYSIS OF HUMAN INFECTION WITH <i>ANISAKIS</i> SPP. IN THE EUROPEAN ANCHOVY AND SARDINE FROM THE EASTERN ADRIATIC SEA I. Bušelić*, J. Hrabar, A. Čalić, I. Radonić, V. Poljak, I. Mladineo
12.45-13.00	O-158	<i>ANISAKIS</i> SPP. FROM LARGE PELAGIC FISH OFF EASTERN ADRIATIC - MOLECULAR IDENTIFICATION AND RISK ANALYSIS J. Hrabar*, I. Bušelić, I. Radonić, V. Poljak, I. Mladineo

14.00-15.45	Fish and shellfish immunology III Gran Canaria <i>Chairperson: José A. Garcia</i>	
14.00-14.15	O-159	IS STRESS IN FARMED SALMON (<i>SALMO SALAR</i>) AN IMPORTANT FACTOR FOR SAPROLEGNIOSIS? M.J. Beckmann*, C.J. Secombes, P. van West
14.15-14.30	O-160	PATHOGEN-SPECIFIC IMMUNOGLOBULIN AND B CELL RESPONSES IN THE GILLS OF WILD-TYPE AND IGT ⁺ B CELL-DEPLETED RAINBOW TROUT Z. Xu, D. Parra, F. Takizaw, D. Gómez, L. von Gersdorff Jørgensen, S. LaPatra, J.O. Sunyer*
14.30-14.45	O-161	DIFFERENTIAL HUMORAL IMMUNE RESPONSE OF GILTHEAD SEA BREAM (<i>SPARUS AURATA</i>) RESISTANT TO <i>ENTEROMYXUM LEEI</i> (MYXOZOA) RE-INFECTION I. Estensoro, R. del Pozo, A. Sitjà-Bobadilla*
14.45-15.00	O-162	A MULTICOLOUR FLOW CYTOMETRY FOR THE SIMULTANEOUS ANALYSIS OF RESTING AND PROLIFERATIVE B AND T LYMPHOCYTE RESPONSES FOLLOWING PATHOGENIC CHALLENGE IN RAINBOW TROUT (<i>ONCORHYNCHUS MYKISS</i>) T. Korytář*, F. Takizawa, Z. Xu, J.O. Sunyer
15.00-15.15	O-163	GLOBAL 3D IMAGING OF <i>YERSINIA RUCKERI</i> BACTERIN UPTAKE IN RAINBOW TROUT FRY M. Ohtani*, K.R. Villumsen, E.O. Koppang, M.K. Raida, A.M. Bojesen
15.15-15.30	O-164	A NOVEL CHALLENGE METHOD WITH <i>AEROMONAS SALMONICIDA</i> IN RAINBOW TROUT FOR EVALUATION OF FURUNCULOSIS VACCINES. M.H. Marana*, J. Skov, J.K. Chettri, B. Krossøy, I. Dalsgaard, P.W. Kania, K. Buchmann
15.30-15.45	O-165	ADJUVANT EFFECT OF A FORMULATED CARBOHYDRATE (MSS1) IN VACCINES AGAINST <i>AEROMONAS HYDROPHILA</i> IN COMMON CARP (<i>CYPRINUS CARPIO</i>) N. Kareem*, A. Adams, M. Skidmore, S. Harris, D. Hoole

WEDNESDAY, 9TH SEPTEMBER 2015

14.00-15.45	<p>Workshop: Fish health in the Mediterranean aquaculture, past mistakes and future challenges</p> <p>Tenerife - Open to all conference participants.</p> <p><i>Chairperson: Niccoló Vendramin, Dražen Oraić, Snježana Zrnčić and Francesc Padrós</i></p>
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14.00-15.45	<p>Workshop: Publish or perish – everything you wanted to know about scientific publishing but were afraid to ask – scientific publishing workshop</p> <p>Atlantico - Open to all conference participants.</p> <p><i>Chairperson: Barbara Nowak and Sarah Poynton</i></p>
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9.00-10.30	Bacterial diseases IV Gran Canaria <i>Chairperson: Lone Madsen</i>	
9.00-9.15	O-166	T.E.M. AND BIOMOLECULAR DETECTION OF RICKETTSIALES IN TISSUES OF RAINBOW TROUT AND THEIR POTENTIAL ROLE AS RED MARK SYNDROME (RMS) ETIOLOGICAL AGENTS M. Galeotti*, M. Manzano, F. Cecchini, D. Volpatti, C. Bulfon, P. Beraldo, G. Rossi, G. Magi
9.15-9.30	O-167	PATHOLOGICAL EFFECT OF <i>NOCARDIA</i> SPP. INFECTION IN MEAGRE (<i>ARGIRO SOMUS REGIUS</i>) B. Vega*, F. Acosta, C. Ribeiro, M.A. Ruiz, D. Montero, M.J. Caballero
9.30-9.45	O-168	IRON UTILIZATION AND SIDEROPHORE PRODUCTION BY <i>RENIBACTERIUM SALMONINARUM</i> ISOLATED FROM DISEASED ATLANTIC SALMON (<i>SALMO SALAR</i>) IN CHILE J. Bethke*, M. Poblete-Morales, R. Irgang, R. Avendaño-Herrera
9.45-10.00	O-169	<i>IN VITRO</i> STUDY OF ADHERENCE AND INVASION OF <i>PHOTOBACTERIUM DAMSELAE</i> SUBSPECIES <i>PISCICIDA</i> IN SAF-1 CELL LINE BY CONFOCAL AND ELECTRON MICROSCOPY F. Acosta*, B. Vega, J. Bravo, L. Román, O. Escuela, J. Vega, F. Madrazo, J. Ramos-Vivas
10.00-10.15	O-170	THE USE OF “TAXO-GENOMICS” TO CLARIFY THE NOMENCLATURE AND TAXONOMICAL STATUS OF FISH PATHOGENIC <i>FRANCISELLA</i> SPP. J.G. Ramírez-Paredes*, E. Soto, C. Öhrman, K. Jolley, M. Maiden, H.J. Busse, R.H. Richards, D.J. Colquhoun, P. Larsson, A. Adams
10.15-10.30	O-171	SUSCEPTIBILITY OF COMMON CARP AND SUNFISH TO <i>FRANCISELLA NOATUNENS</i> SUBSP. <i>ORIENTALIS</i> E. Lewisch*, S. Menanteau-Ledouble, M. El-Matbouli

9.00-10.45	Fish and shellfish immunology IV Tenerife <i>Chairperson: Dagoberto Sepúlveda</i>	
9.00-9.15	O-172	ACTIVATION OF RAINBOW TROUT SKIN CD8 ⁺ DENDRITIC-LIKE CELLS IN RESPONSE TO ANTIGENIC EXPOSURE A.G. Granja, E. Leal, R. Castro, B. Abós, U. Fischer, C. Tafalla*
9.15-9.30	O-173	RAPID PROLIFERATION RATHER THAN SURVIVAL IN BLOOD MAY BE A REQUIREMENT FOR STREPTOCOCCAL PATHOGENESIS IN BARRAMUNDI (<i>LATES CALCARIFER</i>): UNDERLYING MECHANISMS OF IMMUNE EVASION K.A. Masterman*, A.C. Barnes
9.30-9.45	O-174	PARASITISM AFFECTS VACCINE EFFICACY AGAINST <i>STREPTOCOCCUS INIAE</i> IN NILE TILAPIA C.A. Shoemaker*, M.L. Martins, D. Xu
9.45-10.00	O-175	CHOLESTEROL/FARNESYL DIPHOSPHATE SYNTHASE AS SUITABLE TARGETS FOR HOST ANTIVIRAL AND TREATMENT STRATEGIES M. Adamek*, G. Brogden, F.E. Müller, H.Y. Naim, D. Steinhagen
10.00-10.15	O-176	<i>RENIBACTERIUM SALMONINARUM</i> AND INNATE IMMUNITY IN ATLANTIC SALMON (<i>SALMO SALAR</i> L.) AND ARCTIC CHARR (<i>SALVELINUS ALPINUS</i> L.) S. Gudmundsdottir*, B.Th. Bragason, I.Ö. Arnason
10.15-10.30	O-177	RATIONAL DESIGN OF A SAFE AND EFFICACIOUS ATTENUATED RECOMBINANT VACCINE AGAINST CYPRINID HERPESVIRUS 3 USING PROKARYOTIC MUTAGENESIS AND <i>IN VIVO</i> IMAGING SYSTEM M. Boutier, M. Ronsmans, P. Ouyang, G. Fournier, K. Rakus, A. Reschner, A. Davison, F. Farnir, C. Bayrou, F. Lieffrig, D. Desmecht, A. Vanderplasschen*
10.30-10.45	O-178	ABILITY OF VIRAL HAEMORRHAGIC SEPTICAEMIA VIRUS TO EVADE THE PROTECTIVE IMMUNE RESPONSE INDUCED IN RAINBOW TROUT BY DNA VACCINATION D. Sepúlveda*, N. Lorenzen

THURSDAY, 10TH SEPTEMBER 2015

9.00-10.45	Prophylaxis and treatment I Atlantico <i>Chairperson: Dave Straus</i>	
9.00-9.15	O-179	FRESHWATER TREATMENTS IN THE UK RAINBOW TROUT INDUSTRY: IS THERE LIFE AFTER FORMALIN? N. Taylor, D.W. Verner-Jeffreys*
9.15-9.30	O-180	ACUTE TOXICITY OF PERACETIC ACID TO VARIOUS FISH SPECIES D.L. Straus*, C.K. Ledbetter, B.D. Farmer, T. Meinelt, L.-F. Pedersen
9.30-9.45	O-181	GROWTH INHIBITION OF <i>AEROMONAS SALMONICIDA</i> AND <i>YERSINIA RUCKERI</i> BY DISINFECTANTS CONTAINING PERACETIC ACID T. Meinelt*, S. Behrens, L.-F. Pedersen, D. Liu, D.L. Straus
9.45-10.00	O-182	CONTROL OF SAPROLEGNIASIS ON SUNSHINE BASS EGGS WITH COPPER SULFATE D.L. Straus*, B.D. Farmer, C.K. Ledbetter, B.H. Beck, R.S. Williams, M.L. Clark, T.M. Freeze
10.00-10.15	O-183	EFFECT OF IMMUNIZATION TEMPERATURE AND TIME ON THE ABILITY OF ATLANTIC SALMON TO ELICIT SPECIFIC ANTIBODY RESPONSES AND PROTECTION AGAINST <i>MORITELLA VISCOSA</i> R. Thorarinsson*, D. Vollstad, A. Ramstad, P. Midtlyng
10.15-10.30	O-184	GARLIC AS AN ANTI-PARASITIC THERAPEUTANT IN FISH J.H. Kim, S. Fridman, H. Borochoy-Neori, T. Sinai, D. Zilberg*
10.30-10.45	O-185	AMOEBIC GILL DISEASE IN NORWEGIAN ATLANTIC SALMON (<i>SALMO SALAR</i> L.) – CASE HISTORY AND COMPARISON OF TREATMENT WITH H ₂ O ₂ AND FRESHWATER D. Persson, T.M. Pedersen*, S. Kolstø, H. Hellberg

THURSDAY, 10TH SEPTEMBER 2015

11.15-13.00	Viruses and viral diseases IV Gran Canaria <i>Chairperson: Mickael Fourrier</i>	
11.15-11.30	O-186	MOLECULAR TRACING OF VHS IN DENMARK S.S. Mikkelsen*, H. Schuetze, H. Korsholm, B.B. Jensen, M.S. Bruun, N.J. Olesen
11.30-11.45	O-187	COURSE OF INFECTION WITH LYMPHOCYSTIS DISEASE VIRUS IN GILT HEAD SEABREAM (<i>SPARUS AURATA</i>) E.J. Valverde*, J.B. Ortiz-Delgado, M.C. Sarasquete, J.J. Borrego, D. Castro
11.45-12.00	O-188	VIRULENCE ACQUISITION IN INFECTIOUS SALMON ANAEMIA VIRUS: THE ROLE OF MUTATIONS IN THE HAEMAGGLUTININ-ESTERASE AND FUSION PROTEIN M. Fourrier*, K. Lester, A. Mcbeath, B. Collet
12.00-12.15	O-189	FIRST ISOLATION OF A RHABDOVIRUS FROM PERCH IN SWITZERLAND T. Wahli*, L. Bellec, B. Von Siebenthal, J. Cabon, H. Schmidt-Posthaus, T. Morin
12.15-12.30	O-190	MOLECULAR DETECTION AND GENOME ANALYSIS OF CIRCOVIRUSES OF EUROPEAN EEL (<i>ANGUILLA ANGUILLA</i>) AND SICHEL (<i>PELECUS CULTRATUS</i>) FROM LAKE BALATON, HUNGARY R. Borzák*, B. Sellyei, Cs. Székely, A. Doszpoly
12.30-12.45	O-191	DETECTION AND TISSUE DISTRIBUTION OF OSTREID HERPESVIRUS 1 PROTEINS IN INFECTED PACIFIC OYSTER, <i>CRASSOSTREA GIGAS</i> C. Martenot*, A. Segarra, L. Baillon, N. Faury, M. Houssin, T. Renault
12.45-13.00	O-192	ISOLATION AND CHARACTERIZATION OF <i>PSEUDOMONAS ANGUILLISEPTICA</i> -LYTIC PHAGES BELONGING TO <i>MYOVIRIDAE</i> , <i>SIPHOVIRIDAE</i> AND <i>CYSTOVIRIDAE</i> I. Istiqomah*, R. Matsumoto, Y. Kawato, Y. Shimahara, T. Nakai

11.15-13.15	Cephalopods immunity and pathology Tenerife <i>Chairperson: Camino Gestal and Sarah Culloty</i>	
11.15-11.30	O-193	A NETWORK FOR IMPROVEMENT OF CEPHALOPOD WELFARE AND HUSBANDRY IN RESEARCH, AQUACULTURE AND FISHERIES - COST ACTION FA1301, CEPHS/IN ACTION G. Ponte*, C. Gestal, S. Culloty, D. Osorio
11.30-11.45	O-194	PARASITES AND DISEASES OF WORLDWIDE CEPHALOPODS: AN UPDATE P. Tedesco*, A. Terlizzi, G. Fiorito
11.45-12.00	O-195	IMPLEMENTATION OF THE DISEASE DATABASE FOR CEPHALOPODS V. Galligioni*, C. Gestal, P. Tedesco, G. Fiorito
12.00-12.15	O-196	SELECTION OF RELIABLE REFERENCE GENES FOR NORMALIZATION OF GENE EXPRESSION IN PARALARVAE OF <i>OCTOPUS VULGARIS</i> DURING DEVELOPMENT AND AFTER IMMUNE-STIMULATION P. García-Fernández*, S. Castellanos-Martínez, J. Iglesias, J.J. Otero, C. Gestal
12.15-12.30	O-197	ULTRASTRUCTURAL AND MOLECULAR CHARACTERIZATION OF <i>AGGREGATA</i> SPP (FRENZEL, 1885) IN <i>OCTOPUS VULGARIS</i> (CUVIER, 1797) FROM CENTRAL MEDITERRANEAN P. Tedesco*, C. Gestal, A. Terlizzi, G. Fiorito
12.30-12.45	O-198	RECENT ADVANCES AT FUNCTIONAL AND MOLECULAR LEVEL OF THE INTERACTION BETWEEN THE CELLULAR INNATE IMMUNITY OF THE COMMON OCTOPUS, <i>OCTOPUS VULGARIS</i> , AND THE COCCIDIA, <i>AGGREGATA OCTOPIANA</i> S. Castellanos-Martínez*, C. Gestal
12.45-13.00	O-199	CONTROLLED NOISE EXPOSURE EXPERIMENTS ON CEPHALOPODS M. Solé*, M. Lenoir, M. Durfort, M. López-Bejar, A. Lombarte, M. André
13.00-13.15	O-200	<i>OCTOPUS VULGARIS</i> IMMUNE RESPONSE AT GENE EXPRESSION LEVEL BY <i>IN VITRO</i> IMMUNOSTIMULATION OF HEMOCYTES M. Petrić*, E. Baldascino, C. Lauritano, I. Zarrella, G. Ponte, G. Fiorito

THURSDAY, 10TH SEPTEMBER 2015

11.15-11.45	Prophylaxis and treatment II Atlantico <i>Chairperson: Dave Straus</i>	
11.15-11.30	O-201	THERMOLICER® – A NEW NON-MEDICAL TECHNOLOGY AGAINST SALMON LOUSE (<i>LEPEOPHTHEIRUS SALMONIS</i>) – DOCUMENTATION OF EFFECT AND WELFARE R.N. Grøntvedt*, H. Viljugrein, A.G. Gjevre, I.K. Nerbøvik, A. Litlabø, S. Nygaard WITHDRAWN
11.30-11.45	O-202	OPTIMIZATION OF THE COHABITATION CHALLENGE MODEL FOR INFECTIOUS PANCREATIC NECROSIS VIRUS IN ATLANTIC SALMON (<i>SALMO SALAR</i> L) USING A SYSTEMATIC APPROACH H.M. Munang'andu*, N. Santi, B. Nilsen Fredriksen, K.-E. Løkling, Ø. Evensen

THURSDAY, 10TH SEPTEMBER 2015

14.00-15.00	Diseases of wild and ornamental fish Gran Canaria <i>Chairperson: Jason Mewett</i>	
14.00-14.15	O-203	THE THREAT OF ILLEGAL FISH MOVEMENTS ON NATIONAL FISH HEALTH STATUS J. Mewett*
14.15-14.30	O-204	INTERNAL NEOPLASMS IN KOI (<i>CYPRINUS CARPIO KOI</i>), FREQUENCY, CHARACTERISATION AND RISK FACTORS FOR DEVELOPMENT H. Schmidt-Posthaus*, R. Knüsel, T. Wahli, F. Ott Knüsel
14.30-14.45	O-205	<i>VIBRIO TAPETIS</i> ISOLATED FROM VESICULAR SKIN LESIONS IN DOVER SOLE (<i>SOLEA SOLEA</i>) A.M. Declercq*, K. Chiers, M. Soetaert, A. Lasa, J.L. Romalde, H. Polet, F. Haesebrouck, A. Decostere
14.45-15.00	O-206	MOLECULAR CONFIRMATION OF INFECTIOUS SPLEEN AND KIDNEY NECROSIS VIRUS (ISKNV) IN FARMED AND IMPORTED ORNAMENTAL FISH IN AUSTRALIA N.J.G. Moody*, P.G. Mohr, L.M. Williams, J. Hoad, D.M. Cummins, K.R. Davies, M.StJ. Crane

THURSDAY, 10TH SEPTEMBER 2015

14.00- 15.45	Workshop: Amoebic Gill Disease Tenerife - Open to all conference participants. <i>Chairperson: Barbara Nowak and Hamish Rodger</i>
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14.00- 15.45	Workshop: MOLTRAQ Atlantico - Open to all conference participants. <i>Chairperson: Niels Jørgen Olesen</i>
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16.30-17.30	Fish and shellfish immunology V Gran Canaria <i>Chairperson: Carlos Pereira Dopazo</i>	
16.30-16.45	O-207	THE VIRAL ENCEFALOPATHY AND RETINOPATHY VIRUS OF EUROPEAN SEA BASS <i>DICENTRARCHUS LABRAX</i> : NEW STRATEGIES FOR IMMUNIZATION F. Pascoli*, A. Toffan, F. Buonocore, N. Nuñez, V. Stocchi, S. Picchiatti, A. Stratman, G. Scapigliati
16.45-17.00	O-208	DOES INFECTION OF SOCKEYE SALMON (<i>ONCORHYNCHUS NERKA</i>) WITH PISCINE REOVIRUS (PRV) AFFECT THE OUTCOME OF SUBSEQUENT EXPOSURE TO INFECTIOUS HEMATOPOIETIC NECROSIS VIRUS (IHNV)? S.C. Johnson*, S. Inkpen, M.P. Polinski, J.C. Bradshaw, M.L. Rise, K.A. Garver
17.00-17.15	O-209	CHARACTERISING IMMUNE RESPONSES IN RAINBOW TROUT (<i>ONCORHYNCHUS MYKISS</i>) FOLLOWING THE ADMINISTRATION OF CELL-MEDIATED AND HUMORAL W/O ADJUVANTED VACCINES K. Veenstra*, S. Russell, J. Ben Arous, C. Secombes
17.15-17.30	O-210	IMMUNOLOGICAL PARAMETERS CORRELATING WITH VIRAEMIC PERIOD OF SALMONID ALPHAVIRUS INFECTION IN ATLANTIC SALMON POST-SMOLTS L. Moore, J. Jarungsriapisit, G.L. Taranger, T. Korytář, B. Köllner, T.O. Nilsen, S.O. Stefansson, H.C. Morton, S. Patel*

THURSDAY, 10TH SEPTEMBER 2015

16.30-18.00	Industry roundtable: TargetFish Tenerife - Open to all conference participants. <i>Chairperson: Patrick Smith and Geert Wiegertjes</i>
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16.30-18.00	Host-parasite interactions III Atlantico <i>Chairperson: Sarah L. Poynton</i>	
16.30-16.45	O-211	TOLERANCE AND TRANSITION IN TROPHOZOITES: UNUSUAL AND ELABORATE BEHAVIORAL ADAPTIONS IN <i>SPIRONUCLEUS</i> SPP. S.L. Poynton*, K.W. Witwer, L. Ostrenga, M.R. Saghari-Fard
16.45-17.00	O-212	<i>SAPROLEGNIA DICLINA</i> IIIA AND <i>S. PARASITICA</i> EMPLOY DIFFERENT INFECTION STRATEGIES WHEN COLONISING EGGS OF ATLANTIC SALMON, <i>SALMO SALAR</i> , L. M. Songe*, A. Willems, J. Wiik-Nielsen, E. Thoen, Ø. Evensen, P. van West, I. Skaar
17.00-17.15	O-213	EFFECTS OF <i>LOMA MORHUA</i> (MICROSPORIDIA) INFECTION ON THE CARDIORESPIRATORY AND SWIMMING PERFORMANCE OF ATLANTIC COD <i>GADUS MORHUA</i> (L). M. Powell*, A.K. Gamperl
17.15-17.30	O-214	ACTIVITY OF DIGESTIVE HYDROLASES IN FISH INFECTED WITH CESTODES M.M. Solovyev*, G.I. Izvekova
17.30-17.45	O-215	HOST CONDITION AND ACCUMULATION OF METALS BY ACANTHOCEPHALAN PARASITE <i>ECHINORHYNCHUS GADI</i> IN COD <i>GADUS MORHUA</i> FROM THE SOUTHERN BALTIC SEA M. Podolska*, L. Polak-Juszczak, K. Nadolna-Altyn
17.45-18.00	O-216	A NEW METHOD FOR ASSESSING POTENTIAL ANTI-SEA LICE MICROINGREDIENTS AND COPEPODID SEA LICE (<i>LEPEOPHTHEIRUS SALMONIS</i>) HOST LOCATION BEHAVIOUR R.M. Heavyside*, T.B. Eriksen, T. Cornulier, C.J. Secombes, C. McGurk, A.S. Bowman

POSTER PRESENTATIONS

Viruses and viral diseases	
P-001	GENETIC ANALYSIS OF THE COMPLETE G GENE OF VIRAL HEMORRHAGIC SEPTICEMIA VIRUS (VHSV) ISOLATES IN TURKEY H. Albayrak*, H. Isidan, G. Kalayci, E. Ozan, V. Vakharia
P-002	MOLECULAR CHARACTERIZATION OF THE ALMUS INFECTIOUS PANCREATIC NECROSIS VIRUS (IPNV) ISOLATE FROM TURKEY H. Albayrak*, E. Ozan, V. Vakharia
P-003	MOLECULAR PHYLOGENY: A TOOL TO UNDERSTAND THE EPIDEMIOLOGY OF INFECTIOUS HEMATOPOIETIC NECROSIS VIRUS (IHNV) IN FRANCE OVER THE PERIOD 1987-2014 L. Bellec, R. Thiéry, J. Cozien, J. Cabon, T. Morin*, L. Louboutin
P-004	CHARACTERIZATION OF EELPOUT RHABDOVIRUS (ERV) ON CELL CULTURE E. Blomkvist*, A. Alfjorden, M. Hakhverdyan, T.S. Boutrup, H. Ahola, F. Ljunghager, Å. Hagström, N.J. Olesen, M. Juremalm, M. Leijon, J.-F. Valarcher, C. Axén
P-005	IMPACT OF VIRAL ENCEPHALOPATHY AND RETINOPATHY (VER) INTRODUCTION TO CROATIAN MARINE FARMS D. Brnić*, S. Zrnčić, D. Oraić, I. Lojkić
P-006	NODAVIRUS INFECTION ALTERS THE KISSPEPTINS PATHWAY IN EUROPEAN SEA BASS BRAIN Y. Valero, A. Cuesta, M. Arizcun, M.A. Esteban, J. Meseguer, E. Chaves-Pozo*
P-007	IMMUNE RESPONSE AGAINST INTRAVITREALLY INJECTED NODAVIRUS IN EUROPEAN SEA BASS SPECIMENS Y. Valero, A. García-Alcazar, M.A. Esteban, B. Boughlala, J. De Juan, J. Meseguer, E. Chaves-Pozo, A. Cuesta*
P-008	MOLECULAR DETECTION OF A PUTATIVELY NOVEL CYPRINID HERPESVIRUS IN SICHEL (<i>PELECUS CULTRATUS</i>) DURING A MASS MORTALITY EVENT IN HUNGARY A. Dospoly*, M. Papp, P.P. Deákné, R. Glávits, K. Ursu, Á. Dán
P-009	WHOLE GENOME SEQUENCING OF TWO HUNGARIAN RANAVIRUS STRAINS ISOLATED FROM BROWN BULLHEADS (<i>AMEIURUS NEBULOSUS</i>) S.L. Farkas, A. Dospoly*, R. Borzak, K. Banyai, T. Juhasz
P-010	CHARACTERIZATION OF AN OUTBREAK OF CARDIOMYOPATHY SYNDROME (CMS) IN YOUNG ATLANTIC SALMON (<i>SALMO SALAR</i> L.) C. Fritsvold*, T.T. Poppe, E. Hoel, T. Taksdal, A.B. Mikalsen, H. Sindre
P-011	SEQUENTIAL HISTOPATHOLOGICAL STUDY OF AQUAREOVIRAL HEPATITIS IN ATLANTIC HALIBUT, <i>HIPPOGLOSSUS HIPPOGLOSSUS</i> J. Gu*, R. Johansen, H.R. Skjelstad

P-012	IDENTIFICATION OF MEMBRANE PROTEIN PORF44 OF ABALONE HERPESVIRUS C.S. Huang, M.S. Chen, S.T. Kuo, P.H. Chang*
P-013	STUDY OF IHNV, VHSV AND KHV INFECTIONS IN FERAL FISH IN THE SELECTED SLOVENIAN WATERS V. Jenčič*, P. Hostnik, K. Pliberšek, A. Grilc-Fajfar
P-014	“KOI SLEEPY DISEASE” DUE TO AN INFECTION WITH CARP EDEMA VIRUS IN GERMANY V. Jung-Schroers*, M. Adamek, F. Teitge, J. Hellmann, S.M. Bergmann, H. Schütze, D.W. Kleingeld, K. Way, D. Stone, M. Runge, B. Keller, S. Hesami, T. Waltzek, D. Steinhagen
P-015	SPLEEN AND KIDNEY NECROSIS VIRUS IN ORNAMENTAL FISH IN GERMANY V. Jung-Schroers*, M. Adamek, P. Wohlsein, J. Wolter, H. Wedekind, D. Steinhagen
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P-017	ISOLATION OF VHS AND IHN FROM RECENT OUTBREAKS ON CROATIAN RAINBOW TROUT FARMS D. Oraić*, S. Zrnčić, D. Brnić, N. Vendramin, S.S. Mikkelsen, M.S. Bruun, A. Toffan, N.J. Olesen
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P-021	ANTIVIRAL ACTIVITY OF MICROALGAL EXTRACTS AGAINST KOI HERPESVIRUS (KHV) M. Reichert*, C. Lindenberger, R. Buchholz
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P-023	SCREENING FOR VIRAL HEMORRHAGIC SEPTICEMIA VIRUS IN ATLANTIC COD (<i>GADUS MORHUA</i>) FROM THE BALTIC SEA M. Stachnik*, K. Nadolna-Altyn
P-024	SUSCEPTIBILITY TO VHS AND IHN INFECTION OF COMMONLY FARMED FRESHWATER SALMONID SPECIES IN POLAND M. Stachnik*, M. Jesiołowski

P-025	EXPERIMENTAL INFECTION OF FRESHWATER SALMONID SPECIES WITH HIRAME RHABDOVIRUS (HIRRV) E. Borzym, M. Stachnik*, J. Maj-Paluch, M. Matras, M. Baud, L. Bigarré
P-026	IPNV PERSISTENTLY INFECTED CELLS INDUCE PROTECTION IN NAIVE CELLS AGAINST VHSV. A CO-CULTURE SYSTEM STUDY S. Torres, R. Parreño*, L. Almagro, A. Estepa, L. Perez
P-027	SURVEILLANCE STUDIES OF LYMPHOCYSTIS DISEASE VIRUS IN FARMED GILTHEAD SEABREAM (<i>SPARUS AURATA</i>) BY REAL-TIME PCR E.J. Valverde, A.M. Labella, R. Leiva, J.J. Borrego, D. Castro*
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CONFERENCE INFORMATION

Conference Venue

Auditorium Alfredo Kraus
Address: Avenida Príncipe de Asturias, s/n
35010 Las Palmas de Gran Canaria, Spain
Tel. +34 928 491 770
Fax +34 928 491 853

Registration desk opening hours during the conference are as follows

Sunday, 6 th September	17:00-19:00
Monday, 7 th September	08:30-17:30
Tuesday, 8 th September	08:30-17:30
Wednesday, 9 th September	08:30-17:30
Thursday, 10 th September	08:30-17:30

SOCIAL EVENTS

Get together

Date: Sunday, 6th September

Time: 19:00-21:00

Dress code: casual

The social programme kicks off with a **Get-together** at Las Canteras Terrace in Auditorium Alfredo Kraus (Congress venue).

Las Palmas de Gran Canaria City Reception

Date: Tuesday, 8th September

Time: 20:00-22:00

Dress code: smart casual

On Tuesday evening the delegates are invited to join the Las Palmas de Gran Canaria City Reception at the City Hall of Las Palmas de Gran Canaria "Casas Consistoriales".

Address: Casas Consistoriales.

Conference dinner

Date: Thursday, 10th September

Time: 20:00-24:00

Dress code: elegant casual

The scientific programme of the Conference will close with the traditional **Conference Dinner** at Finca Laraiga, starting at 20:00 hrs. Finca Laraiga is located on the northeast coast of the island, 50 meters from the sea.

Address: Paseo Marítimo los Charcones, 35, El Puertillo, Arucas. Bus transportation from Conference Venue to Finca Laraiga is organised.

POST-CONFERENCE STUDY VISITS

There are two optional Study visits on **Friday, 11th September** starting and ending at Auditorium Alfredo Kraus.

1. MARINE SCIENTIFIC PARK OF UNIVERSITY OF LAS PALMAS DE GRAN CANARIA (PCTM)

Marine Science and Technology Park (PCTM) of ULPGC is an important scientific space of Gran Canaria (Canary Islands), comprising a complex of high-tech infrastructures for marine sciences, especially focusing on fish aquaculture RTD (mainly nutrition, pathology, introduction of new species and genetics), applied biotechnology (primary sector waste reutilization) and biobanks of microalgae and Cyanobacteria. The PCTM is considered a top class research infrastructure, being attached to the pan-European network of aquaculture research facilities, AQUAEXCEL (www.aquaexcel.eu). It offers infrastructure to the scientific community for both basic and applied research in the fields of aquaculture and biotechnology, simultaneously providing an environment for technology transfer activities within the related industry sector. Following units are components of PCTM: warm water species selection unit (WWSSU), marine biosecurity station (MBS), feed ingredients-additives testing unit (FITU), pilot plant for fingerling production (PPPA), biofactory of natural marine products and Spanish bank of algae (BEA).

After visiting PCTM, delegates will continue towards the centre of the island to see Roque Nublo. It is an imposing rock that emerges from the almost moon landscape, sharply cascading into a thick pine tree forest towards the distant ocean. Roque Nublo (*Clouded Rock, Rock in the Clouds*) is a volcanic rock on the island of Gran Canaria, Canary Islands, Spain (<http://www.gran-canaria-info.com/guide/roque-nublo-the-complete-guide-to-gran-canaria-s-biggest-icon>). It is 80 m (262 ft) tall, and its top is 1,813 m (5,948 ft) above sea level. It is a famous landmark of the island, protected as a natural monument. Roque Nublo is the second highest peak of the island, after nearby Pico de las Nieves. It is located in the municipality Tejeda. It was formed by a volcanic eruption around 4.5 million years ago.

Wear a good pair of tracking shoes to visit Roque Nublo.

The day will be finalised by a lunch at a typical restaurant in small village of Tejeda (www.tejeda.es).

Price per person 70 euro. Extra tickets are sold at the registration desk if available.

2. AQUACULTURE FACILITY OF SEABREAM AND SEABASS IN GRAN CANARIA (ADSA)

The farming of seabream and sea bass began in 1991 in the facilities of Castillo del Romeral, in southern Gran Canaria. Today, ADSA has two farms in production and two other farms in project, that mean a production capacity of 4500 tons, guaranteeing to its customers the supply of fish throughout the year. In the Tinamenor Group, they are fully committed to enhance R & D as a strategy to maintain their technological leadership. The main lines of work in research, development and innovation are:

- ✓ Research and development of aquaculture for new marine species
- ✓ Development of breeding programs
- ✓ Optimization of production processes through application of new technologies

- ✓ Improvement of processes for greater energy savings and environmental care and sustainability

After visiting the ADSA facility, delegates will continue towards the south-west of the island, boarding a small cruiser named "Spirit of the sea", at the Puerto Rico's harbour (13:30 to 16:30, lunch on board) for an exciting whales and dolphins sightseeing. While some 79 species of cetaceans can be found in the world's seas, 29 of them have been seen in the Canaries waters. This is almost a one third of the world's cetacean population, and considering that some species live exclusively in the polar regions, rivers and very limited areas, it is a great privilege to be able to observe them in this area.

Price per person 70 euro. Extra tickets are sold at the registration desk if available.

Remember:

The Study Visits are optional activities and are not covered by the registration fee.

PRACTICAL INFORMATION A-Z

A

Accommodation: should you need any help with your accommodation, please contact our staff at the EAAP 2015 registration desk (eaap2015@barcelocongresos.com).

Airport: the Gran Canaria Airport, located on the coast of the island from which it takes its name, is situated 25 kilometres distance from one of the main touristic centres of the Canary Islands, the southern area, and 18 kilometres distance from the island's capital, Las Palmas de Gran Canaria.

A direct bus line operated by Global (Bus no. 60) runs between Terminal 1 and the city centre. See the timetables and fees at www.globalsu.es/index_en.php.

Taxis can be found at designated stands in all the main plazas, or can be hailed on the street if showing a green light, which means they are available. Telephone Number: +34 928 460 000.

B

Badges: will be provided to participants, accompanying persons, exhibitors and press at the registration desk and will be required for admission to all conference facilities and scientific and social events during the Meeting. Any individual who is not wearing an official conference badge will be directed to the registration desk to register or, if already registered, to purchase a replacement badge. Handling fee for replacement badges is € 10.

C

Certificate of attendance: the certificate of attendance is to be issued at the registration desk.

Climate in Gran Canaria: Gran Canaria enjoys year round warmth and sunshine with very little seasonal variation. Summers are hot and dry while winters are just slightly cooler with a few showers.

The island's southerly location, on the same latitude as the Sahara, means it is much hotter than mainland Spain in the winter. However, it generally gets much cooler than might be expected at this latitude due to the surrounding sea, the cool Canary current and northeast trade winds.

Throughout the year Gran Canaria has a spring-like climate having an average temperature of 26-28°C in summer and 22-24°C in winter.

Conference language: the conference language is English. No interpretation is provided.

Credit cards: American Express, Diner's Club, Eurocard, Access, Master Card and Visa are accepted in hotels, restaurants, larger shops, and department stores. Visa Electron is also accepted in many shops and department stores.

Currency/Exchange: the monetary unit is Euro (EUR) (1 euro = 100 cents). Foreign currency exchange is available also at all banks. Banks are generally open on weekdays from 8.30 to 14.00.

D

Drinking water: bottled mineral water is available in shops and restaurants. Gran Canaria tap water is not of the highest quality.

E

Electricity: 230 V, 50 Hz. The plugs and power outlets are the same as in other continental countries in the European Union.

Emergency: please dial 112 for all emergency situations. All hospitals have doctors on duty round the clock

Exhibitors: all exhibitor stands are located in hall-lobby Polivalente room at the first floor and they are attended throughout the Conference scientific programme times.

F

Food and beverages: coffee breaks and lunches are included in the delegate registration fee and are served in San Borondón A + B rooms.

I

Information: the registration desk staff will be happy to help you on any question you may have with regards to the Conference or any other matters.

Insurance and Liability: neither the Organizers (EAFP) nor the Conference Agency (Confident International) will assume any responsibility whatever for damage or injury to persons or property, or loss of property during the Conference.

Internet: free wireless internet is available at Auditorium Alfredo Kraus, please ask for a username and password from the registration desk.

L

Local transportation: Las Palmas de Gran Canaria City GUAGUAS MUNCIPPAES offer an extensive service network covering the entire city. A single ticket for € 1.4 is valid for one journey. The timetables and routes can be seen at <http://www.guaguas.com>.

Lost & Found: a lost and found service is available at the registration area.

M

Messages: a message board will be located in front of registration desk (first floor). You can post your message there.

Mobile phones: participants are kindly requested to keep their mobile phones in the off mode in the meeting rooms while sessions are being held.

P

Parking: there are parking spaces on CCC Las Arenas in front of Alfredo Kraus Auditorium, of which three are reserved for disabled parking. The parking charges are not included in the registration fee.

Pharmacy: normal opening hours during weekdays are from 10:00 to 22:00 and on Saturday from 10:00 to 22:00.

Poster area: the poster areas are located in hall-lobby Polivalente room (0 floor). All authors of poster abstracts have received poster guidelines with assigned poster number. Mount your poster to the assigned poster board (marked by your number). In case any assistance is needed please ask the hostess at the registration desk. Please, make sure you remove your poster before 18:00 on Thursday 10th September. Posters left behind are to be destroyed.

Presentation submission: power point presentations only (USB stick) may be used. A data projector and laptop will be at your disposal.

Programme changes: the organizers cannot assume liability for any changes in the programme due to external or unforeseen circumstances.

R

Registration: registration desk opening hours during the conference are as indicated below.

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Wednesday, 9 September	08:30-17:30
Thursday, 10 September	08:30-17:30

Registration fees: the delegate registration fee includes admission to all sessions, poster area and exhibition; admission to Get-Together, Las Palmas de Gran Canaria City Reception and Conference dinner, coffee-breaks and lunches and conference bag including the conference material. Accompanying person registration includes Get-together, Las Palmas de Gran Canaria City Reception, access to poster area and coffee breaks during the four conference days (lunch not included). Admission to sessions is not included. Tickets to Conference Dinner for accompanying persons are sold at the registration desk if available, ticket price 80 euro.

Restaurants: Las Palmas de Gran Canaria has great variety and choice of restaurants to cater all tastes. Local fish, shellfish, elk, reindeer, cheeses are great delicacies in Gran Canaria.

S

Shopping: shopping centres and bigger shops are generally open weekdays from 10.00 to 22.00, Saturdays from 10.00 to 22.00. Most shops accept major credit cards.

Smoking policy: smoking is not allowed inside the conference venue.

T

Time: GMT + 00:00 hours.

Tipping: in Gran Canaria tips are not expected, service is always included even in restaurants. If you feel you have received excellent service, feel free to tip.

Tourist information: the Visit Las Palmas tourist information office:

Address:

Paseo de la Playa de Las Canteras (in front of Hotel Meliá Las Palmas), 35008,

Las Palmas de Gran Canaria

Phone: +34 928 446 824

Fax: +34 928 446 651

E-mail: info@lpavisit.com

web: www.lpavisit.com

V

Venue: the Auditorium of Las Palmas de Gran Canaria bears the name of Alfredo Kraus, the most international recognized Canary Island tenor, and the most beloved by the general public. This is a gesture of tribute and gratitude for his work in the music world; his figure carrying the name of the city to the ends of the earth.

The building that houses the Alfredo Kraus Auditorium, the work of architect Oscar Tusquets, is one of the most outstanding and representative constructions of Las Palmas de Gran Canaria. Situated at the end of Las Canteras Beach, this isolated and independent fortress was designed as a lighthouse to identify and protect the city. Ever since it was opened, the image of the Alfredo Kraus Auditorium - as a sentry watching over Las Canteras Beach - has become one of the city's most emblematic views.

It was built between 1993 and 1997, and served as a catalyst which brought new life into this part of the city. It reactivated the culture industry which was in need for a multi-purpose venue to host varied events.

The building was opened on the 5th December 1997 by H.R.H. the Prince of Asturias, accompanied by local tenor Alfredo Kraus.

Throughout its life, the Alfredo Kraus Auditorium has consolidated its position as a unique and essential venue in the city as it hosts all kinds of cultural and social events. Moreover, the building, now an inseparable part of Las Canteras Beach, is seen throughout the world as a characteristic feature of Gran Canaria.