

Detailed program of AvCoV2016

9th INTERNATIONAL SYMPOSIUM ON AVIAN CORONA- AND PNEUMOVIRUSES AND COMPLICATING PATHOGENS 4th ANNUAL MEETING OF THE COST ACTION FA1207

Date	Time	Program
21-6-2016 Tuesday	12:00-onwards	Arrival
	14:00	Registration
	COST Action 15:30-17:00	SC meeting COST Action FA1207 on Controlling Avian Coronaviruses
	17:00	Welcome Hélène Verheije
	Opening lecture 17:15	Generalists and specialists: a new view of how class I molecules fight disease J. Kaufman
	18:00	Introduction dynamic slide show Chair: Steven van Beurden
	18.05	Dynamic slide show for posters (<i>15 x - order available at conference</i>)
	19.00	Diner
	21.00	Icebreaker (drinks) + posters

Date	Time	Program
22-6-2016 Wednesday	7:00	Breakfast
		Session 1: Serology & Immunology Chair: Mark Jackwood
Keynote	8:15	Control of infectious bronchitis virus: What we need to know M.W. Jackwood
	8:45	Development of rationally attenuated live vaccines for effective control of infectious bronchitis J. Bickerton, M. Keep, P. Britton
	9:00	Ability of recombinant IBV expressing S1 subunits from M41 and D388 (QX) to induce protection against homologous challenge S. Ellis, S.K. Keep, E.B. Bickerton, P.B. Britton, L.V. Vervelde
	9:15	Vaccine immune evasion by an infectious bronchitis virus field strain F.W. van Ginkel, V.L. Van Santen, S.L. Gulley
	9:30	The effect of modulation by food components on the chicken innate immune system and the responsiveness to infectious bronchitis virus M.G.R. Matthijs, M. Bauwens, C. Smits, W. van Eden, C. Jansen
	9:45	Identification of immunogenic epitopes on the S1 protein of infectious bronchitis virus strains, M41 and D388 (QX) S. Ellis, S.K. Keep, E.B. Bickerton, P.B. Britton, L.V. Vervelde
	10:00	Break
	10:30	Efficacy of the H120 infectious bronchitis virus vaccine against a Nigerian IBADAN06 virus in the chicken model M.F. Ducatez, Q.L. Langeois, J.L. Loupias
	10:45	Evaluation of cross-protection against IBV 793B strain after combined day-old vaccination with Massachusetts type and Brazilian variant vaccines T.K.T. Tatár-Kis, B.F. Felföldi, H.Z. Homonnay, P.P. Paulet, L.S. Sesti, P.V. Palya
	11:00	H120 and 793/B type vaccine strains combination protects chickens against challenge with IR-1 like infectious bronchitis virus V. Karimi, A. Ghalyanchilangeroudi, M. Hashemzadeh, A. Ghafouri, H. Maghsoudloo, R. Khaltabadi Farahani, H. Abdollahi
	11:15	Broadening the cross-protection of infectious bronchitis provided by a vaccination regime using three different live infectious bronchitis vaccines F.L. Lin, R.K. Koopman, N.R. Rooijackers, J.O. van den Oever, H.W. Swam
	11:30	Simultaneous vaccination of a live Newcastle disease and two live infectious bronchitis vaccines in commercial broiler chicks K. Ganapathy, C. Ball, A. Forrester, A. Herrmann, S. Lemiere
	11:45	IBV challenge of laying hens H.C. Koopman
	12:00	Field evaluation of aMPV vaccine (NEMOVAC®) in multicausal infectious respiratory disease in broiler flocks H. Hosseini, S.A. Ghafouri, M.H. Fallah
	12:15	Lunch

Date	Time	Program
22-6-2016		Session 2: Epidemiology
Wednesday		Chair: Chantal Snoeck
	Keynote 13.30	Role of wild birds in ecology of avian coronavirus; AvCoVs on the wings S. Zohari
	14.00	Prevalence and genetic diversity of avian coronaviruses in Luxembourg, the Netherlands and Nigeria <u>C.S. Snoeck</u> , A.T.A. Adeyanju, U.O. Ottosson, C.P.M. Muller, J.M.H. Hübschen
	14:15	Multi-strain infection by infectious bronchitis variant viruses in broiler and breeder flocks in Latin America <u>L.S. Sesti</u> , C.A. Ardilas, L.A. Alvarado, S. de Wit, R.D. Dijkman
	14:30	Molecular epidemiology of avian infectious bronchitis virus in Iran <u>H. Hosseini</u> , M.H. Bozorgmehri Fard, S. Charkhkar, R. Morshed
:	14:45	Full-length characterization of S1 gene of Iranian QX Infectious bronchitis viruses isolates, 2014-2015 <u>A. Ghalyanchilangeroudi</u> , Waleed Se Seger, V. Karimi, M. Hashemzadeh, H. Najafi, H. Davam
	15.00	Break
	15:30	Molecular Survey of infectious bronchitis virus in commercial flocks in Macedonia reveals presence of different genotypes <u>A.D. Dodovski</u> , Z.P. Popova, I.C. Cvetkovikj, I.D. Dadjovski, K.K. Krstevski
	15:45	Genetic specification infectious bronchitis virus revealed in the territory Commonwealth of Independent States (CIS) in 2015 <u>N.G. Zinyakov</u>
	16:00	Economic impact of infectious bronchitis in a poultry complex in southern Brazil <u>F.S. Fernando</u> , M.S. Assayag Jr, T.C Kasmanas, G. Schaeffer, A. Mazutti, G.E. Triques, A. C. Lara
	16:15	Avian metapneumovirus circulation in Italian broiler farms <u>M.C. Cecchinato</u> , C.A. Torres, C.M. Tucciarone, G. Franzo, C. Lupini, V. Listorti, G. Mescolini, V. Felice, P.E. Brandão, E. Catelli
	16.30	Break and prepare for leave
	17.00	Bus to Utrecht
	17.30	Social program and dinner in Utrecht
	22:30	Bus back to ISVW/Berghotel
	23:30	Last bus back to ISVW/Berghotel

Date	Time	Program
23-6-2016 Thursday	7:00	Breakfast
		Session 3: Host Pathogen and Receptor Interactions Chair: Lonneke Vervelde / Erica Bickerton
	Keynote 8:15	Back to the elements: avian coronavirus-host interactions dissected <u>M.H. Verheije</u>
	8:45	Changes in avian infectious bronchitis virus spike protein associated with adaptation to chicken embryonic kidney cells do not improve binding <u>V.L. van Santen</u> , S. Farjana, K.S. Joiner, H. Toro
	9:00	Polymorphisms in the S1 spike glycoprotein of Arkansas-type infectious bronchitis virus show differential binding to various chicken tissues <u>B.J. Jordan</u> , C.M.L. Leyson, M.W.J. Jackwood
	9:15	In vivo tracheal $\alpha 2,3$ -linked sialic acid expression changes after infection of chickens with infectious bronchitis virus <u>E.A.W.S. Weerts</u> , K.M. Bouwman, A. Gröne, M.H. Verheije
	9:30	Variation of membrane rearrangements induced by M41 strain of infectious bronchitis virus <u>H.J. Maier</u> , B.W. Neuman, P.C. Hawes, E. Bickerton, S.M. Keep, H. Alrashedi, R. Hall, P. Britton
	9:45	Infectious bronchitis virus and the PI3K/AKT signalling pathway <u>A.B. Batra</u> , H.J.M. Maier, J.A.H. Hiscox, M.S.F. Fife
	10:00	Break
	10:30	Generation of a recombinant infectious bronchitis virus suggests that the S protein is a determinant of pathogenicity <u>P. Stevenson-Leggett</u> , P. Britton, E. Bickerton
	10:45	Comparison of respiratory (M41) and nephropathogenic (B1648) infectious bronchitis viruses in in vitro and in vivo conditions <u>V.A.P. Reddy</u> , I. Trus, L. Desmarets, M. Li, S. Theuns, H. Nauwynck
	11:00	Pathogenicity characteristics of an Iranian IS-1494 like infectious bronchitis virus isolate in experimentally infected SPF chickens <u>A. Ghalyanchilangeroudi</u> , H. Najafi, M. Hashemzadeh, Madadgar, V. Karimi, F. Khaltabadi, H. Maghsouldoo, A. Ghafouri, Seifouri, Abdollahi
	11:15	Immunopathogenesis of infectious bronchitis virus Q1 in SPF chicks <u>B.M. Manswr</u> , C.B. Ball, A.F. Forrester, J.C. Chantrey, K.G. Ganapathy
	11:30	Antiviral activity of mannose-binding lectin against infectious bronchitis virus <u>W. Zhang</u> , K.M. Bouwman, S.J. van Beurden, S. Ordonez Alvarez, H.P. Haagsman, M.H. Verheije, E.J.A. Veldhuizen
	11:45	Chickens bred for divergent mannose-binding lectin plasma concentrations differ in innate and adaptive transcriptome immune profiles by IBV challenge <u>T.S.D. Dalgaard</u> , E.H. Hamzic, R.B.K. Kjærup, N.M. Mach, G.M. Minozzi, F.S. Strozzi, V.G. Gualdi, J.W. Williams, J.C. Chen, E.W. Wattrang, B.B. Buitenhuis, H.J.M. Juul-Madsen, M.H. Verheije
	12:00	Lunch

Date	Time	Program
23-6-2016		Session 3: Host Pathogen and Receptor Interactions
Thursday	13:00	Persistence of Massachusetts- and 793B-type infectious bronchitis vaccine strains in commercial broilers following day-old vaccination <u>T.K.T. Tatár-Kis</u> ¹ , B.F. Felföldi ² , W.K.E. Walkóné Kovács ² , H.Z. Homonnay ² , M.T. Mató ² , Y.G. Gardin ³ , P.V. Palya ²
	13:15	Clinical signs and pathology associated with guinea fowl coronavirus field cases in France (2011-2015) <u>M.D. Delpont</u> , R.B. Berger, M.D. Delverdier, M.D. Ducatez, J.L.G. Guérin
	13:30	Transmission kinetics of European Turkey coronavirus during experimental infection of SPF turkeys <u>P.A. Brown</u> , C. Courtillon, C. Allée, A. Vendembeuche, M. Amelot, N. Eterradosi
	13:45	Co-infection of the avian respiratory epithelium with aMPV and M. gallisepticum: comparison of host-pathogen interactions in the tracheal organ model <u>S.R. Rautenschlein</u> , M.R. Ryll, H.S. Sid
	14:00	Workshops
		Introduction: S. van Beurden
	14:15	Workshops 1: 1 h (<i>participant lists present at the conference</i>) Infectious bronchitis virus vaccination and immunology Chair: Sjaak de Wit/ Lonneke Vervelde Infectious bronchitis virus in the lab Chair: Steven van Beurden/ Hélène Verheije Pathology in infectious bronchitis virus infection Chair: Erik Weerts Scientific communication for early stage researchers (1h 45 min) Chair: Artesc
	15:30	Workshops 2: 1 h (<i>participant lists present at the conference</i>) Infectious bronchitis virus vaccination and immunology Chair: Sjaak de Wit/ Lonneke Vervelde Infectious bronchitis virus in the lab Chair: Steven van Beurden/ Hélène Verheije Pathology in infectious bronchitis virus infection Chair: Erik Weerts Basic principles of veterinary epidemiology Chair: Arjan Stegeman
	16:30-19:30	MC meeting COST Action FA1207 on Controlling Avian Coronaviruses
	18:00	Drinks
	19:30	BBQ dinner

Date		Time	Program
24-6-2016 Friday		7:30	Breakfast
	Keynote	8:45	Avian metapneumovirus in poultry: update and challenges E. Catelli
			Session 4: Molecular Virology Chair: M. Ducatez
	Keynote	9:15	Stability and diversity: the Yin and Yang of gammacoronaviruses genome I. Monne
		9:45	Phylogenetic network analysis of the infectious bronchitis virus S1 gene, a molecular epidemiological approach <u>M. Jackwood</u> , A. Hilt, N. Cheng, L. Norman, J. Jordan
		10:00	Using next generation sequencing to investigate the mechanism of IBV attenuation <u>M.S.O. Oade</u> , S.K. Keep, E.B. Bickerton, P.B. Britton, J.H. Hammond
		10:15	Evidence of subpopulations in aMPV vaccines using NGS <u>G. Franzo</u> , C.J. Naylor, M. Drigo, G. Croville, M. Ducatez, E. Catelli, A Laconi, M. Cecchinato
		10:30	Break
		11:00	Full versus partial S1 gene sequencing of classical and variant avian infectious bronchitis viruses <u>C. Ball</u> , B. Manswr, F. Forrester, J. Chantrey, K. Ganapathy
		11:15	Genetic characterization of the Belgian nephropathogenic infectious bronchitis virus (NIBV) reference strain B1648 <u>V. A.P. Reddy</u> , J. Matthijnsens, S. Theuns, H. Nauwynck
		11:30	A real time taqman RT-PCR for specific detection of D1466 type of Infectious bronchitis virus <u>K.D.B. Domanska-Blicharz</u> , A.L. Lisowska, A.P. Pikula, Z.M. Minta
		11:45	Successive occurrence of recombinant infectious bronchitis virus strains in restricted area of Middle East <u>I.K. Kiss</u> , T.M. Mató, Z.H. Homonnay, T.T.K. Tatár-Kis, V.P. Palya
		12:00	Molecular epidemiology of guinea fowl coronavirus in France (2011-2015) <u>R.B. Berger</u> , M.D. Delpont, J.L.G. Guérin, M.D. Ducatez
		12:15	Closure & announcement next AvCoV Sjaak de Wit & Mark Jackwood
		12:30	Lunch
		13:00-15:00	Departure