



PROGRAM SUMMARY

Time	Event	Location
Sunday April 5th		
2:00-5:00 PM	Registration	Conference Registration Desk
2:00-3:30	Poster Session A setup	Hill Atrium
3:30-5:15	Welcome and Session 1	Mahler Auditorium
5:15-5:45	Break and Poster viewing	Hill Atrium
5:45-6:45	Session 1 cont.	Mahler Auditorium
7:00- 9:00	Reception	Pecan Tree Galleria
Monday April 6th		
7:00-8:00 AM	Breakfast buffet	Magnolia Ballrooms
8:00-10:00	Session 2a	Mahler Auditorium
	Session 2b	Masters Hall
10:00-10:30	Break and Poster viewing	Hill Atrium
10:30 AM-12:15 PM	Session 3a	Mahler Auditorium
	Session 3b	Masters Hall
12:15-1:30	Lunch	Magnolia Ballrooms
1:30-3:00	Session 4a	Mahler Auditorium
	Session 4b	Masters Hall
3:00-3:30	Break and Poster viewing	Hill Atrium
3:30- 5:15	Session 5a	Mahler Auditorium
	Session 5b	Masters Hall
5:15-6:00	Poster Session A removal	Hill Atrium
FREE EVENING		
Tuesday April 7th		
7:00-8:00 AM	Breakfast buffet	Magnolia Ballrooms
7:00-8:00 AM	Poster Session B setup	Hill Atrium
8:00-10:00	Session 6	Mahler Auditorium
10:00-10:30	Break and Poster viewing	Hill Atrium
10:30 AM-12:15 PM	Session 7	Mahler Auditorium
12:15-1:15	Lunch	Magnolia Ballrooms
1:15-2:45	Session 8	Mahler Auditorium
2:45-3:15	Break and Poster viewing	Hill Atrium
3:15- 5:45	Session 9	Mahler Auditorium
6:30-10:00	Banquet	Magnolia Ballrooms
Wednesday April 8th		
7:00-8:00 AM	Breakfast buffet	Magnolia Ballrooms
8:00-10:00	Session 10	Mahler Auditorium
10:00-10:15	Break and Poster viewing	Hill Atrium
10:15-11:45	Session 11	Mahler Auditorium
11:45 AM-12:00 PM	Close of Symposium	Mahler Auditorium



SCIENTIFIC PROGRAM

Sunday — April 5th	
Joint Session – Mahler Auditorium	
3:30-6:45 PM	Welcome and Introductions — <i>Moderator: David Swayne</i>
3:30-3:35 PM	Welcome and Goals of Symposium – David Swayne
3:35-3:40	Welcome to UGA – Sheila Allen (Dean, College of Veterinary Medicine)
3:40-3:45	Welcome to Symposium – Darrell Cole (Area Director, Agricultural Research Service, U.S. Department of Agriculture)
3:45-4:15	Symposium Keynote Presentation Perspectives on the Global Threat: Global Challenges of Influenza Viruses for the Veterinary Community <i>Ilaria Capua, Italy</i>
4:15- 6:45	Session 1: Global reports on Avian Influenza (Joint) <i>Moderators: Ian Brown and Dennis Senne</i>
4:15-4:45	Avian Influenza in North and South America, 2006-2008 <i>Dennis Senne, USA</i>
4:45-5:15	Summary of AI Activity in Europe, Asia and Africa <i>Ian Brown, United Kingdom</i>
5:15-5:45	Break and Poster Viewing
5:45-6:15	Molecular Epidemiology and Evolution of H5N1 HPAI Viruses (1996-2009) <i>Gavin J. D. Smith, Hong Kong</i>
6:15-6:30	The Potential Role of Wild Birds in the Spread of Highly Pathogenic Avian Influenza H5N1 and Implications for Global Surveillance – an Ornithological Perspective <i>Chris J. Feare, United Kingdom</i>
6:30-6:45	2007 Canadian H7N3 outbreak <i>John Pasick, Canada</i>
7:00- 9:00	Reception



Monday — April 6th Session A	
Poultry Session – Mahler Auditorium	
8:00 AM-12:15 PM	Session 2a and 3a: Vaccinology for the Birds <i>Moderators: David Suarez and Ron Fouchier</i>
8:00-8:30	Keynote: Development of Novel Technologies to Improve AI Vaccines for Poultry <i>David L. Suarez, USA</i>
8:30-9:00	Keynote: Use of Antigenic Cartography in Vaccine Seed Strain Selection <i>Ron A. M. Fouchier, The Netherlands</i>
9:00-9:15	Antigenic Cartographic Analysis of H7 Avian Influenza Viruses with Chicken Serum <i>Erica Spackman, USA</i>
9:15-9:30	Avian Influenza Vaccination with Non-replicating Adenovirus Vector <i>Haroldo Toro, USA</i>
9:30-9:45	Comparison of Immunogenicity of Different Haemagglutinin Subtype H5 Avian Influenza Genes Using a DNA Vaccination model in Muscovy Ducks <i>Olivier Guionie, France</i>
9:45-10:00	Protective Dose of Live Recombinant Newcastle Disease Virus-avian Influenza H5 Vaccine in Commercial Broilers with High Antibody Levels against the Challenged with a H5N2 Highly Pathogenic Avian Influenza Virus and a Velogenic Newcastle Disease Virus <i>David Sarfati-Mizrahi, Mexico</i>
10:00-10:30	Break and Poster Viewing
10:30-10:45	Influence of Vaccines Virus Strain and Antigen Mass on Duration of Antibody Response and Protection Against H5N1 After Vaccination <i>Riks Maas, The Netherlands</i>
10:45-11:00	Passive Protection Afforded by Maternally Derived Antibody in Chickens and their Interference with the Protection Elicited by AI Inactivated Vaccines in Progeny <i>J. De Vriese, Belgium</i>
11:00-11:15	Field Evidence of the Efficacy of Vaccination to Control Low Pathogenicity Avian Influenza in Meat Turkeys <i>L. Busani, Italy</i>
11:15-11:30	Immunogenicity of Fowlpox Vectored Avian Influenza Vaccine in Chickens with Maternal Antibodies <i>Michel Bublot, France</i>
11:30-11:45	Efficacy of Commercial Vaccines in Chickens and Ducks Against H5N1 Highly Pathogenic Avian Influenza Viruses from Vietnam <i>Jennifer Pfeiffer, USA</i>
11:45 AM-12:15 PM	Questions and Answers
12:15-1:30	Lunch
1:30-3:00	Session 4a: Conventional and Molecular Epidemiology of AI in Poultry <i>Moderators: John Pasick and David Halvorson</i>

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1:30-1:45	Keynote: Origin and Evolution of Highly Pathogenic Avian Influenza H5N1 in Africa <i>Giovanni Cattoli, Italy</i>
1:45-2:00	Characterization of Highly Pathogenic Avian Influenza H5N1 Viruses (Clade 7 Sublineage) Detected in Chickens Seized at Ports of Entry into Vietnam <i>C. Todd Davis, USA</i>
2:00-2:15	Molecular Characterization of Low Pathogenic and Highly Pathogenic Avian Influenza H7N7 Viruses Detected During an Outbreak in Free Range Poultry in Oxfordshire, UK <i>Jill Banks, UK</i>
2:15-2:30	Phylogenetic Analysis of Influenza A Viruses (H6N8, H1N8, H4N2, H9N2) Isolated from Wild Birds and Ostriches in South Africa During 2007/2008 <i>Celia Abolnik, South Africa</i>
2:30-2:45	Low Pathogenicity Avian Influenza in Italy in 2007-2008 <i>M. Cecchinato, Italy</i>
2:45-3:00	Questions and Answers
3:00-3:30	Break and Poster Viewing
3:30-5:15	Session 5a — Trade, Regulatory Control and Economics <i>Moderators: Anni McLeod and Darrell Kapczynski</i>
3:30-4:00	Keynote: Economics of AI Management and Control in a World with Competing Agendas <i>Anni McLeod, Italy</i>
4:00-4:14	Main Achievements of the OIE/FAO Network on Avian Influenza (OFFLU) <i>Guenaelle Dauphin, Italy</i>
4:15-4:30	The Role of the OIE in the Global Effort to Control Avian Influenza; Good Governance for Early Detection and Rapid Response <i>Keith Hamilton, France</i>
4:30-4:45	Supporting Business Continuity During a HPAI Outbreak <i>Morgan Hennessey, USA</i>
4:45-5:00	Financial Impacts of the 2005-5006 HPAI Outbreaks on the Turkish Contracted Turkey Producers <i>Cengiz Yalcin, Turkey</i>
5:00-5:15	Questions and Answers
Monday — April 6th Session B	
Wildlife Sessions – Masters Hall	
8:00 AM-12:15 PM	Session 2b and 3b: Global AI Surveillance of Wild Birds <i>Moderators: Richard Slemons and Hon Ip</i>
8:00-8:30	Keynote: Avian Influenza Virus Surveillance and Wild Birds; Past and Present <i>Robert Webster, USA</i>
8:30-8:45	Surveillance for Avian Influenza in Wild Birds in the European Union in 2007 <i>Alasdair J. C. Cook, United Kingdom</i>
8:45-9:00	Low Pathogenic Avian Influenza Subtypes Isolated from Wild Bird Species in the United States

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	<i>Kerri Pedersen, USA</i>
9:00-9:15	The US Department of the Interior's Wild Bird Avian Influenza Surveillance Program <i>Hon S. Ip, USA</i>
9:15-9:30	10 Years of Avian Influenza Virus Surveillance in Wild Birds <i>Vincent J. Munster, The Netherlands</i>
9:30-9:45	Avian Influenza Virus H13 Circulating in Ring-billed Gulls (<i>Larus delawarensis</i>) in Southern Ontario <i>Sharon Calvin, Canada</i>
9:45-10:00	Suitability of Sentinel Birds as an Useful Tool within the Wild Bird Surveillance for AIV <i>Anja Globig, Germany</i>
10:00-10:30	Break and Poster Viewing
10:30-10:45	Genetic Analysis of Avian Influenza Virus (AIV) from Wild Birds and from Birds Bred for Restocking of Game in Denmark During 2003-2004 <i>Kurt Handberg, Denmark</i>
10:45-11:00	HPAI H5N1 Influenza Surveillance in Russian Federation in 2005-2008 <i>Alexander M. Shestopalov, Russia</i>
11:00-11:15	Waterfowl Ecology and Epidemiology of Avian Influenza in California: Do Species Traits Inform us About Viral Occurrence? <i>Nichola J. Hill, USA</i>
11:15-11:30	Visualization and Analysis of the Danish 2006 HPAI H5N1 Wild Bird Surveillance Data by a Prototype AI BioPortal <i>Preben Willeberg, USA</i>
11:30-11:45	Avian Influenza Surveillance in Canadian Wild Birds 2005 to 2007 <i>John Pasick, Canada</i>
11:45 AM-12:15 PM	Questions and Answers
12:15-1:30	Lunch
1:30-3:00	Session 4b: Epidemiology and Ecology of AIV Viruses in the Natural Reservoir <i>Moderators: David Stallknecht and Gavin Smith</i>
1:30-2:00	Keynote: Avian Influenza in the Environment — What do we Need to Know? <i>David Stallknecht, USA</i>
2:00-2:15	The Role of Environmental Sampling in the Surveillance of Avian Influenza Virus in Wild Birds <i>Alan B. Franklin, USA</i>
2:15-2:30	The Temporal and Spatial Dynamics of Type A Influenza Virus Infections in Wild Ducks at Paired Study Sites, 2005-2007 <i>Richard D. Slemons, USA</i>
2:30-2:45	Migration of Waterfowl in the East Asian Flyway and Spatial Relationship to HPAI H5N1 Outbreaks <i>John Y. Takekawa, USA</i>
2:45-3:00	Questions and Answers

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3:00-3:30	Break and Poster Viewing
3:00-5:00	Session 5b: HPAI H5N1 in Wild Birds <i>Moderators: Thijs Kuiken and Tom Deliberto</i>
3:30-4:00	Keynote: Pathology and Pathogenesis of H5N1 Highly Pathogenic Avian Influenza in Wild Birds <i>Thijs Kuiken, The Netherlands</i>
4:00-4:15	H5N1 Highly Pathogenic Avian Influenza Virus Experimental Infection Trials in Wild Birds: What Have we Learned and What Questions Remain <i>Justin D. Brown, USA</i>
4:15-4:30	Migrating Versus Non-migrating Passeriforme Species: Susceptibility to HPAIV H5N1 <i>Donata Kalthoff, Germany</i>
4:30-4:45	Spread and Evolution of Avian Influenza Virus in Poultry and Wild-birds in Africa <i>Claude P. Muller, Luxemburg</i>
4:45-5:00	Questions and Answers

Tuesday — April 7th	
Joint Sessions – Mahler Auditorium	
8:00-10:00 AM	Session 6: Pathogenesis and Pathobiology in Avian Species <i>Moderators: Mary Pantin-Jackwood and Daniel Perez</i>
8:00-8:30	Keynote: Role of Immune-related Host Gene Responses in the Pathobiology of H5N1 Highly Pathogenic Avian Influenza in Ducks <i>Mary Pantin-Jackwood, USA</i>
8:30-8:45	Transcriptional Response of the Pekin Duck (<i>Anas domestica</i>) to Infection with Avian Influenza <i>Lorna Dougherty, USA</i>
8:45-9:00	Selection of Variant Viruses during Replication and Transmission of H7N1 Viruses in Different Species of Domestic Poultry <i>Munir Iqbal, UK</i>
9:00-9:15	Pathobiology and Host Responses to a Mallard H5N2 LPAIV Adapted in IBDV-Pre-Exposed Chickens <i>Gloria C. Ramirez-Nieto, USA</i>
9:15-9:30	Infection of Lung Mesenchymal Stem Cells by Avian Influenza Virus <i>Mahesh Khatri, USA</i>
9:30-9:45	Truncation of the NS1 protein Converts a Low Pathogenic Avian Influenza Virus into a Strong Interferon Inducer in Duck Cells <i>Sebastien M. Soubies, France</i>
9:45-10:00	Questions and Answers
10:00-10:30	Break and Poster Viewing
10:15 AM-12:15 PM	Session 7: 21st Century Diagnostics for Centuries Old Problem <i>Moderators: Marek Slomka and Erica Spackman</i>

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10:30-11:00	Keynote: Diagnosis of AI Poultry Outbreaks: Considerations for RRT PCR and Rapid Penside Testing with Lateral Flow Devices <i>Marek Slomka, United Kingdom</i>
11:00-11:15	Rapid Subtyping and Pathotyping of Avian Influenza Viruses by an Easy-to-use DNA Microarray <i>Astrid Gall, Germany</i>
11:15-11:30	Experimental Evaluation of the Antibody Response in Serum and Egg Yolk During the Infection Dynamics of LPAI H7N7 in Inoculated and Contact-infected Chicken <i>Jose L. Gonzales, The Netherlands</i>
11:30-11:45	Evaluation of Different Strategies for the Use of ELISA Tests as First Screening Tool for Serological Surveillance of Low Pathogenic Avian Influenza in Belgian Poultry <i>Sylvie Marche, Belgium</i>
11:45 AM-12:00 PM	Improved Avian Influenza Virus Isolation Rates from Wild Waterfowl Cloacal Swabs Using Yolk Sac Inoculation of Embryonating Chickens Eggs <i>Jennifer Lira, USA</i>
12:00-12-15	Questions and Answers
12:15- 1:15	Lunch
1:15-2:45	Session 8: Zoonotic Aspects of Avian Influenza <i>Moderators: Tim Uyeki and Ilaria Capua</i>
1:15-1:45	Keynote: Occupational and Exposure Risks for Humans to Avian Influenza <i>Tim Uyeki, USA</i>
1:45-2:00	Evidence of Previous Avian Influenza Infections Among Poultry-Exposed Adults <i>Gregory C. Gray, USA</i>
2:00-2:15	Transmission of H9N2 Influenza A Viruses in the Ferret Model <i>Erin M. Sorrell, USA</i>
2:15-2:30	Evaluation of the Suitability of the Mouse Model to Study the Transmissibility of Avian Influenza Viruses <i>M. Rigoni, Italy</i>
2:30-2:45	Questions and Answers
2:45-3:15	Break and Poster Viewing
3:15-5:45	Session 9: Host and Environmental Factors that Impact Transmission and Mechanisms of Spread, and Modeling of AI Spread in Developing Control Strategies <i>Moderators: David Swayne and Arjen Stegeman</i>
3:15-3:45	Keynote: Mechanisms of Transmission and Spread of H5N1 HPAI in Birds and Mammals <i>David E. Swayne, USA</i>
3:45-4:15	Keynote: Use of Epidemiological Models in the Control of Highly Pathogenic Avian Influenza <i>Arjen Stegeman, The Netherlands</i>
4:15-4:30	Transmission of Highly Pathogenic Avian Influenza Virus (H7N7) Between Commercial and Backyard Flocks

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	<i>Annemarie Bouma, The Netherlands</i>
4:30-4:45	The High Susceptibility of Turkeys to Low Pathogenic Avian Influenza Viruses of Different Origin Imply their Importance as Intermediate Hosts <i>Smitha P. S. Pillai, USA</i>
4:45-5:00	Redesigning the Serological Surveillance Programme for Notifiable Avian Influenza in Belgian Professional Poultry Holdings <i>Sarah Welby, Belgium</i>
5:00-5:15	Evaluation of the Risk of Neighborhood Infections Through the Analysis of Residential Histories: A Case Study Using Data on the Italian H7N1 HPAI Epidemic (1999-2000) <i>Paolo Mulatti, Italy</i>
5:15-5:30	Bayesian Analysis of Transmission Experiments with Highly Pathogenic Avian Influenza Virus (H5N1) in Chickens <i>Michiel van Boven, The Netherlands</i>
5:30-5:45	Questions and Answers
6:30-10:00	Banquet

Wednesday — April 8th

Joint Sessions – Mahler Auditorium

8:00-10:00 AM	Session 10: Intervention and Control strategies <i>Moderator: Les Sims and Hualan Chen</i>
8:00-8:30	Keynote: Lessons Learned in Control of H5N1 in Asia ("One size does not fit all") <i>Les Sims, Australia</i>
8:30-9:00	Keynote: Use, Application, and Success of Control Strategies Against H5N1 HPAI in China <i>Hualan Chen, China</i>
9:00-9:15	Participatory Disease Surveillance and Response in Indonesia: Strengthening Veterinary Services and Empowering Communities to Prevent and Control Highly Pathogenic Avian Influenza <i>Robyn G. Alders, Indonesia</i>
9:15-9:30	Comparison of Water Based Foam and Inert Gas Mass Emergency Depopulation Methods <i>Robert L. Alphin, USA</i>
9:30-9:45	Testing of a New Disinfectant Process for Poultry Viruses <i>Lauren Gay, USA</i>
9:45-10:00	Questions and Answers
10:00-10:15	Break and Poster Viewing
10:15-11-45	Session 11: Late Breaking Session (Joint) <i>Moderator: David Stallknecht</i>

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10:15-10:30	Overview of Incursions of Eurasian H5N1 Subtype Highly Pathogenic Avian Influenza Virus into Great Britain 2005-2008 <i>Ian Brown</i>
10:30-11:30	To be announced
11:30-11:45	Questions and Answers
11:45 AM-12:00 PM	Close of Symposium <i>Ian Brown</i>

Related Events of Interest

Monday April 6th 5:30 PM — Masters Hall and computer lab

BioHealthBase Workshop — The **BioHealthBase (BHB)** Bioinformatics Resource Center (www.biohealthbase.org) provides database infrastructure for research on *Influenza virus* and four other human pathogens (*Francisella tularensis*, *Mycobacterium tuberculosis*, *Microsporidia* species and *Ricinus communis*). The BHB was developed as a comprehensive resource to collect, analyze, annotate, store, query, view and display genomics, protein structure, protein function, metabolic and signaling pathway and polymorphism information. Recently, BHB began a collaboration with the six U.S. Centers of Excellence for Influenza Research and Surveillance (CEIRS). As part of this collaboration BHB supports the management, analysis and public dissemination of influenza avian surveillance collected in the CEIRS program. Avian surveillance data is integrated with virus strain characterization information obtained from influenza positive sample, including virus genome sequence data. Additionally, BHB now holds primary data and integrated analysis tools for laboratory experiment and clinical vaccine trials data. Thus, the BHB provides a comprehensive resource for data related to influenza virus surveillance, as well as basic and clinical research. All influenza research data in BHB are publicly available to the scientific community, with no restrictions on their use. All influenza researchers are encouraged to submit influenza research data to BHB for data sharing and public dissemination. BHB is funded through the NIAID contract N01AI40041.

Tuesday April 7th — Room Q, 12:15-1:15PM (Lunch)

Avian paramyxovirus interest group. Box lunches provided (must sig-up ahead of time). Contact Dr. Patti Miller patti.miller@ars.usda.gov to sign-up.

Wednesday April 8th 1:30-4:30PM — Room 4

OFFLU Meeting — the joint OIE-FAO network of expertise on avian influenza — is organizing a free afternoon workshop. For more information visit: www.offlu.net/OFFLU%20Site/offluday_notice.pdf. Please contact OFFLU to sign-up prior to the meeting.