



# OPENING CEREMONY

*International Meeting on Emerging Diseases and Surveillance 2009*

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Room: Park Congress / Ground Level

Friday, February 13, 2009

14:00–14:30

## **Opening Ceremony**

Welcome to IMED

**L. Madoff**

Boston, MA (USA)

Welcome to Vienna

**N. Nowotny**

Vienna (Austria)

Official Welcome by the Director General, Public Health,  
Austrian Federal Ministry of Health, Family and Youth

**H. Hrabcik**

Vienna (Austria)

Welcome by the President Elect of the International Society for Infectious Diseases (ISID)

**D. Lew**

Geneva (Switzerland)



## PLENARY SYMPOSIUM • SESSION 1

*International Meeting on Emerging Diseases and Surveillance 2009*

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Friday, February 13, 2009

14:30–16:00

### IMPLEMENTING ONE WORLD ONE HEALTH

**Co-Chairs:** Norbert Nowotny, Austria  
Eric Summers, USA

1.001 OIE Activities for the Global Improvement of Animal Health  
and Their Benefits for Public Health

**B. Vallat**  
Paris (France)

1.002 Tracking Disease in Wild Animals

**W.B. Karesh**  
New York, NY (USA)

1.003 When Animal Diseases Strike Humans

**P. Formenty**  
Geneva (Switzerland)

16:00–16:30 **Coffee Break** (Ground Level)



## PLENARY LECTURE • SESSION 2

*International Meeting on Emerging Diseases and Surveillance 2009*

Room: Park Congress / Ground Level

Friday, February 13, 2009

16:30–17:15

### AVIAN INFLUENZA—ILARIA CAPUA

**Chair:** Daniel Lew, Switzerland

2.001 Avian Influenza—A Unique Opportunity for Public Health

**I. Capua**  
Legnaro, Padova (Italy)

17:30–19:00 **Welcome Reception**  
Gallery/First Level



## PARALLEL SESSION 3

International Meeting on Emerging Diseases and Surveillance 2009

Room: Park Congress / Ground Level

Saturday, February 14, 2009

08:30–10:30

### VECTOR-BORNE VIRUSES IN THE 21ST CENTURY

**Co-Chairs:** Jesus Feris, Dominican Republic  
Karim Ben Jebara, France

- 3.001 Dengue Transmission and Control  
**M.B. Nathan**  
Geneva (Switzerland)
- 3.002 Chikungunya Outbreaks: History and Lessons for the Future  
**R.N. Charrel**  
Marseille (France)
- 3.003 Urbanization of Yellow Fever  
**T. Monath**  
Menlo Park, CA (USA)
- 3.004 A Zika Virus Disease Outbreak on Yap Island  
M. Duffy, T. Chen, T. Hancock, A. Powers, J. Kool, R. Lanciotti, M. Pretrick, M. Marfel, S. Holzbauer, C. Dubray, L. Guillaumot, A. Griggs, M. Bel, A. Lambert, J. Laven, O. Kosoy, A. Panella, B. Biggerstaff, M. Fischer, **E. Hayes**  
Suva (Fiji), Noumea (France), Pohnpei, Yap (Micronesia), Barcelona (Spain), Fort Collins, CO, Atlanta, GA (USA)
- 10:30–11:00 **Coffee Break** (Ground Level AND First Level)



## PARALLEL SESSION 4 • ORAL PRESENTATIONS

International Meeting on Emerging Diseases and Surveillance 2009

Room: Klimt Ballroom 2 & 3 / First Level

Saturday, February 14, 2009

08:30–10:30

### NEW STRATEGIES IN EMERGING DISEASE SURVEILLANCE

**Co-Chairs:** John Brownstein, USA  
Nilufar Rachmanova, Uzbekistan

- 4.001 Engaging Health Care Workers in the Early Warning and Response Functions Under the International Health Regulations  
**G. Thomson**, T. Eckmanns, S. Eremin, A.P. Coutinho, M. Kivi, A. Tulisov, A. Jensen, R. Andraghetti  
Copenhagen (Denmark), Berlin (Germany), Moscow (Russia), Porton Down (United Kingdom)
- 4.002 EpiSouth: Epidemic Intelligence and Early Warning System for Mediterranean Countries  
F. Ait-Belghiti, **P. Barboza**, on behalf of WP6 steering group, St Maurice (France)



## PARALLEL SESSION 4 • ORAL PRESENTATIONS

International Meeting on Emerging Diseases and Surveillance 2009

Room: Klimt Ballroom 2 & 3 / First Level

Saturday, February 14, 2009

08:30–10:30

- 4.003 Automatic Epidemiological Surveillance from On-line News in MedISys and PULS  
**R. Yangarber**, R. Steinberger  
Helsinki (Finland), Ispra (Italy)
- 4.004 A European Syndromic Surveillance Approach Based on Routine Emergency Care Data—First Results from the SIDARTHa Project  
T. Krafft, **A. Ziemann**, L. Garcia-Castrillo Riesgo, M. Fischer, A. Krämer, F. Lippert, G. Vergeiner  
Innsbruck (Austria), Hillerod (Denmark), Bad Honnef, Bielefeld, Göttingen (Germany), Santander (Spain)
- 4.005 EMPRES-i, an Integrated Tool for Early Warning and Disease Control  
J. Pinto, **D. Beltrán Alcrudo**, S. De La Rocque, F. Larfaoui, G. Kondolas, L. de Simone, A. Le Menach, V. Martin, S. Von Dobschuetz, J. Lubroth  
Beijing (China), Rome (Italy)
- 4.006 Democratizing Information Technology for Biosurveillance and Outbreak Investigation  
**K.D. Mandl**, B.Y. Reis, J.S. Brownstein, C. Gilbert, L. Hadden, C. Kirby, B. Adida  
Boston, MA (USA)
- 4.007 Monitoring International Outbreaks with an Outbreak Surveillance Database  
**N. Bryant**, J. Lawrence, C. Wong, A. Jordan, H. Simons, J. Jones, D.R. Hill  
London (United Kingdom)
- 4.008 The Role of Multinational Corporations in Surveillance and Control of Infectious Diseases  
C.E. Johnson, **R.V. Lee**  
Buffalo, NY, Fairfax, VA (USA)
- 4.009 Short Message Service Gateway as Tracking and Reporting Communication Tool During Active Highly Pathogenic Avian Influenza Surveillance in Bangladesh  
L. Loth, M. Mahabub Ahmed, A. Hannan, M.A. Kalam, A. Stocchi, **J. Lubroth**  
Dhaka (Bangladesh), Rome (Italy)
- 4.010 A laboratory-based dengue surveillance in Singapore  
**L.C. Ng**, K.S. Lee, Y.L. Lai, T. Barkham, P. Aw, M. Hibberd, S.P. Khoo  
Singapore (Singapore)
- 4.011 Predictive Vector-Borne Disease Surveillance: A Multidisciplinary Approach for the Early Detection and Response to Outbreaks  
**C. Witt**, A. Anyamba, K. Linthicum, J. Grieco, L. Rueda, D. Foley, D. Schnabel, R. Sang, J. Richardson, S. Lewis  
Nairobi (Kenya), Bangkok (Thailand), Gainesville, FL, Bethesda, MD, Greenbelt, MD, Laurel, MD, Silver Spring, MD (USA)
- 10:30–11:00 **Coffee Break** (Ground Level AND First Level)



## PLENARY LECTURE • SESSION 5

International Meeting on Emerging Diseases and Surveillance 2009

Room: Park Congress / Ground Level

Saturday, February 14, 2009

11:00–11:45

### DYNAMIC TRENDS IN GLOBAL HEALTH—HANS ROSLING

**Chair:** Tim Brewer, Canada

5.001 Dynamic Trends in Global Health  
**H. Rosling**  
Stockholm (Sweden)

11:45–12:45

### POSTER PRESENTATIONS I / SESSION 10 (See pages 15–32)

#### Klimt Ballroom I (First Level):

<i>Abstract Number</i>	<i>Topic</i>
10.001 – 10.026	Animal Reservoirs for Emerging Pathogens
10.027 – 10.081	Emerging Zoonoses

#### Room Bruckner/Mahler/Brahms (First Level):

<i>Abstract Number</i>	<i>Topic</i>
10.082 – 10.113	Outbreak Control
10.114 – 10.137	Avian Influenza
10.138 – 10.180	Antibiotic Resistance
10.181 – 10.192	Vaccines against Emerging Diseases



## PARALLEL SESSION 6

International Meeting on Emerging Diseases and Surveillance 2009

Room: Park Congress / Ground Level

Saturday, February 14, 2009

14:30–16:00

### EMERGING ZOOSES

**Co-Chairs:** Arnon Shimshony, Tel-Aviv, Israel  
Stuart Handysides, United Kingdom

6.001 Rift Valley Fever  
**A. Duse**  
Johannesburg (South Africa)

6.002 Recent Developments and Controversies in Rabies  
**H. Wilde**  
Bangkok (Thailand)

6.003 Crimean-Congo Haemorrhagic Fever in Turkey  
**O. Ergonul**  
Istanbul (Turkey)

16:00–16:30 **Coffee Break** (Ground Level AND First Level)



## PARALLEL SESSION 7

International Meeting on Emerging Diseases and Surveillance 2009

Room: Klimt Ballroom 2 & 3 / First Level

Saturday, February 14, 2009

14:30–16:00

### NEW FOOD-BORNE THREATS

**Co-Chairs:** Giuseppe Cornaglia, Italy  
Craig Pringle, United Kingdom

7.001 Orally-Acquired Chagas' Disease. An Emerging Urban Threat in the Americas  
**J. Torres**  
Caracas (Venezuela)

7.002 Food-Borne Transmission of Nipah Virus in Bangladesh  
**S.P. Luby**, M.J. Hossain, E.S. Gurley, N. Nahar, B.N. Ahmed, S.U. Khan, M.A. Rahman,  
N. Homaira, P. Rota, P.E. Rollin, J.A. Comer, T.G. Ksiazek, M. Rahman  
Dhaka (Bangladesh), Atlanta, GA (USA)

7.003 Food- and Non-Food-Borne Zoonotic Hepatitis E  
**C.G. Teo**  
Atlanta, GA (USA)

16:00–16:30 **Coffee Break** (Ground Level AND First Level)



## PARALLEL SESSION 8

International Meeting on Emerging Diseases and Surveillance 2009

Room: Park Congress / Ground Level

Saturday, February 14, 2009

16:30–18:00

### ANTIBIOTIC RESISTANCE: THE FUTURE IS NOW

**Co-Chairs:** Daniel Lew, Switzerland  
Jacques Acar, France

8.001 Antibiotics as a Limited Natural Resources  
**R. Laxminarayan**  
Washington, DC (USA)

8.002 Balancing Human and Animal Health  
**P. Fedorka-Cray**  
Athens, GA (USA)

8.003 A Worst Case Scenario: XDRTB  
**E. Gotuzzo**  
Lima (Peru)

19:30–21:00 **Mayor's Reception** (access only with invitation card)  
City Hall  
Lichtenfelsgasse 2  
1010 Vienna



Room: Klimt Ballroom 2 & 3 / First Level

Saturday, February 14, 2009

16:30–18:00

## HOT TOPICS IN EMERGING DISEASES

- Co-Chairs:** Natalia Pshenichaya, Russia  
Timothy Brewer, Canada
- 9.001 Rapid, Simultaneous Detection of Multiple Animal Viruses by Bead-Based Multiplexed RT-PCR  
**P. Naraghi-Arani**, R.J. Lenhoff, J.B. Thissen, A.C. Carillo, J.A. Olivas, S.M. Michele  
Livermore, CA (USA)
- 9.002 Universal Virus Detection in Clinical Samples and Cell Culture—New Diagnostic Potential  
**C. Uhlenhaut**, S. McClenahan, A.M. Sierra-Honigmann, P.R. Krause  
Bethesda, MD (USA)
- 9.003 Donors of the First Highly Pathogenic Avian Influenza H5N1 Virus in Asia  
**M.M. Mukhtar**, S.T. Rasool, D. Song, C. Zhu, Q. Hao, Y. Zhu, J. Wu  
Guilin, Wuhan (China), Lahore (Pakistan)
- 9.004 PB2 and Temperature Sensitivity of Avian, Swine, and Human Influenza A Viruses in a Novel Porcine *in vitro* Model  
**S. Kasloff**, H. Weingartl  
Winnipeg (Canada)
- 9.005 Rapid Identification and Laboratory-Guided Response to an Outbreak of Ebola Hemorrhagic Fever Caused by a New Species, Uganda—August–December, 2007  
**A. MacNeil**, J. Wamala, E. Farnon, T. Ksiazek, S. Okware, R. Downing, J. Towner, P. Rollin,  
The Ebola Outbreak Response Team  
Atlanta, GA (USA), Uganda, Entebbe, Bundibugyo (Uganda)
- 9.006 Participatory Impact Assessment of Competing Intervention Strategies Against the Highly Pathogenic Avian Influenza in Indonesia  
**B. Bett**, M. McLaws, F. Unger, E. Sawitri, J. Yani, C. Jost, J. Mariner  
Jakarta (Indonesia), Nairobi (Kenya), Bangkok (Thailand)
- 9.007 Seasonal Patterns and Environmental Predictors of Invasive Meningococcal Disease in London, England; Philadelphia, United States; Sydney, Australia; and Toronto, Canada  
**L.M. Kinlin**, V. Ng, N.S. Crowcroft, J. Granerod, G. Fraser, C.V. Spain, C.C. Johnson,  
F. Jamieson, E.M. Brown, D.N. Fisman  
Toronto (Canada), London (United Kingdom), Philadelphia, PA (USA)
- 9.008 Possible New Hepatitis B Virus Genotype, Southeast Asia  
C.M. Olinger, P. Jutavijittum, **J.M. Hübschen**, A. Yousukh, B. Samountry,  
T. Thammavong, K. Toriyama, I.E. Andernach, C.P. Muller  
Nagasaki (Japan), Vientiane (Lao People's Democratic Republic), Chiang Mai,  
Luxembourg (Luxembourg), Chiang Mai (Thailand)
- 19:30–21:00 **Mayor's Reception** (access only with invitation card)  
City Hall  
Lichtenfelsgasse 2  
1010 Vienna



## Poster Presentations I / Overview:

### Klimt Ballroom I (First Level):

Abstract Number	Topic
10.001 – 10.026	Animal Reservoirs for Emerging Pathogens
10.027 – 10.081	Emerging Zoonoses

### Room Bruckner/Mahler/Brahms (First Level):

Abstract Number	Topic
10.082 – 10.113	Outbreak Control
10.114 – 10.137	Avian Influenza
10.138 – 10.180	Antibiotic Resistance
10.181 – 10.192	Vaccines against Emerging Diseases

## Animal Reservoirs for Emerging Pathogens / Klimt Ballroom I (First Level)

- 10.001      Prevalence of *Yersinia enterocolitica* in Irish Slaughter Pigs and Their Environment  
**B.P. Murphy**, N. Drummond, T. Ringwood, P. Whyte, J.F. Buckley, M.B. Prentice,  
S. Fanning  
Cork, Dublin (Ireland)
- 10.002      *Yersinia enterocolitica* in Retail Markets in Ireland: How Prevalent is It in Raw Pork?  
**N. Drummond**, B.P. Murphy, T. Ringwood, P. Whyte, J.F. Buckley, M.B. Prentice,  
S. Fanning  
Cork, Dublin (Ireland)
- 10.003      Occurrence *Escherichia coli* in Wild Guinea Pigs Fecal Pellets in Iran Karkas Mountain  
**E. Pishva**  
Isfahan (Iran)
- 10.004      Survey of the Prevalence of *Malassezia* Spp. on the Domestic Animals Skin in the  
Northern Iran and Identify of Them  
**A. Nasrollahi Omran**, J. Hashemi  
Tehran, Tonekabon (Iran)
- 10.005      Cutaneous Leishmaniasis in Rodent Reservoirs in Fars Province, Southern Iran  
**D. Mehrabani**, M.H. Motazedian, A. Oryan, G. Hatam, S.M. Owji, G. Asgari  
Shiraz (Iran)
- 10.006      The Parasitic Infestation in Laboratory Animals and the Potential Risks for  
Researchers  
**N. Tanideh**, D. Mehrabani, S.M. Sadjjadi, T. Mohammad-Zadeh, K. Hemyari  
Shiraz (Iran)
- 10.007      Genomic Sequence Determination, Analysis and Comparison of Avian Hepatitis E  
Viruses from Australia and Europe Indicate the Existence of Different Genotypes  
**I. Bilic**, B. Jaskulska, A. Basic, C. Morrow, M. Hess  
Ringwood, Victoria (Australia), Vienna (Austria)
- 10.008      Swine MRSA ST398 in Austria  
**P. Much**, U. Orendi, G. Hoeger, A. Stoeger, W. Ruppitsch, B. Springer, F. Allerberger  
Vienna (Austria)



Room: Klimt Ballroom I / First Level

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- 10.009 Screening and Quantification of *Leishmania infantum* using Real Time PCR in 140 Dogs in South-East of France  
O. Aoun, C. Mary, C. Roqueplo, J.L. Marié, O. Terrier, A. Leveigue, **B. Davoust**  
Marseille, Olivet, Toulon (France)
- 10.010 Oral Cavity as Natural Reservoir for *Streptococcus sinensis*  
**G.K.Y. Choi**, P.C.Y. Woo, J.L.L. Teng, S.N.Y. Tsang, C.W.S. Tse, S.K.P. Lau, K.Y. Yuen  
Hong Kong (China)
- 10.011 Discovery of Two Novel Parvoviruses Closely Related to Human Parvovirus 4 in Hong Kong  
**C.T.Y. Fu**, S.K.P. Lau, P.C.Y. Woo, H. Tse, H.W. Tsoi, K.H. Chan, K.Y. Yuen  
Hong Kong (China)
- 10.012 Identification of Novel Avian Coronaviruses  
**K.K. Lai**, P.C.Y. Woo, S.K. Lau, C.S. Lam, Y. Huang, P. Lee, K.H. Chan, K.Y. Yuen  
Hong Kong (China)
- 10.013 First Occurrence of Methicillin-Resistant *Staphylococcus aureus* CC398 in Styria, Austria.  
**G. Zarfel**, A.J. Grisold, G. Feierl, E. Leitner, L. Masoud, U. Wagner-Eibel, A. Badura, E. Marth  
Graz (Austria)
- 10.014 Network "Rodent-Borne Pathogens": First Germany-Wide Epidemiology of Hantavirus Infections in Rodent Reservoir Hosts  
**R.G. Ulrich**, M. Schlegel, J. Schmidt-Chanasit, B. Klempa, M. Mertens, M.H. Groschup, T. Büchner, J. Freise, J. Jacob, D.H. Krüger, R. Oehme, S.O. Brockmann, M. Pfeffer, G. Heckel, S.S. Essbauer  
Berlin, Berlin, Greifswald-Insel Riems, Hamburg, Munich, Münster, Oldenburg, Stuttgart (Germany), Bern (Switzerland)
- 10.015 *Bartonella bovis* Infection in Cattle Farms in North-Eastern Italy  
**D. Pasotto**, M. Drigo, A. Mondin, M.L. Menandro, R. Turrin, M. Martini  
Legnaro (PD) (Italy)
- 10.016 Investigation on Wild Rodents as Reservoirs of Tick-Borne Pathogens in a National Park of Central Italy  
**I. Pascucci**, C. Cammà, M. Di Domenico, F. Dall'Acqua, S. Masci, O. Locasciulli, J. Bravo, R. Lelli  
L'Aquila, Roma, Teramo (Italy)
- 10.017 Typhoid Fever as A Public Health Problem Through Consuming the Meat and Eggs of the Carrier's Birds  
**M. Younus**, Z.I. Chaudhary, M.A. Khan, I. Tayyaba, M.K. Shahzad  
Lahore (Pakistan)
- 10.018 Survey of Worms' Contamination Prevalence in Starry Dogs in Shahrekord in Summer and Fall of 2006  
**H.R. Azizi**, M. Yadollahi, H.R. Mosheri  
Shahrekord, Tehran (Iran)



Room: Klimt Ballroom I / First Level

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- 10.019 Reptiles as a Source of Salmonellae: A Retrospective Study from Austria  
**E.B.M. Denner**, U. Gaigg, A. Knoll, R. Rosengarten  
Vienna (Austria)
- 10.020 Isolation of *Laribacter hongkongensis*, a Novel Bacterium-Associated with Gastroenteritis, from Commonly Consumed Frog in China and Southeast Asia  
**S.O.T. Curreem**, S.K.P. Lau, L.C.K. Lee, R.Y.Y. Fan, J.L.L. Teng, C.W.S. Tse, P.C.Y. Woo, K.Y. Yuen  
Hong Kong (China)
- 10.021 High HEV Prevalence in Four Wild Boar Populations Across Germany  
**C. Adlhoch**, A. Wolf, M. Kaiser, H. Ellerbrok, G. Pauli, H. Meisel  
Berlin (Germany)
- 10.022 *Listeria monocytogenes* from Farmed Fish and Processing Environments—Prevalence and Typing by Multiple-Locus Variable Number of Tandem Repeat Analysis  
**B.T. Lunestad**, T.T. Thi Truong, K. Borlaug, T. Galluzzi, T. Vardund, B.A. Lindstedt  
Bergen, Oslo (Norway), 2 Nguyen Dinh Chieu, Nha Trang (Vietnam)
- 10.023 Sealpoxvirus at North American Marine Mammal Rehabilitation Centers  
**A.A. Roess**, R.S. Levine, L.A. Barth, D.S. Carroll, I.K. Damon, M.G. Reynolds  
Atlanta, GA (USA)
- 10.024 Serologic and Biomolecular Survey of Domestic Animals for Zoonotic Tick-Borne Pathogens  
**A. Torina**, E. Pieragostini, A. Alongi, S. Scimeca, R. D'Agostino, A.M. Cito, S. Caracappa  
Bari, Palermo (Italy)
- 10.025 Resistance to Antibiotics in *E. coli* Isolated from Farmed Rabbits in Spain. Could They Play Any Role as Vectors of Resistance to Humans?  
**C. Ortega**, O. Gimeno, M.C. Simon, J.L. Alonso, A. Mateo  
Zaragoza (Spain)
- 10.026 The Bicolored White-Toothed Shrew (*Crocidura leucodon*) is an Indigenous Host and Possible Reservoir of Borna Disease (BD) Virus in the BD-Endemic Region of Eastern Germany  
**J. Kolodziejek**, R. Dürwald, H. Lussy, H. Homola, H. Weissenböck, N. Nowotny  
Vienna (Austria), Rodleben (Germany)

## Emerging Zoonoses / Klimt Ballroom I (First Level)

- 10.027 Optimal Duration of Gentamicin Containing Regimen for the Treatment of Uncomplicated Brucellosis  
**M.R. Hasanjani Roushan**, M.J. Soleimani Amiri, N. Janmohammadi, M. Sadeghi  
Hadad Zavareh, M. Javanian, A. Bijani  
Babol (Iran)
- 10.028 Giardiasis in Pakistan: A Review  
**K. Goraya**, Z. Iqbal  
Faisalabad (Pakistan)



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- 10.029 Hantavirus Surveillance in Korea  
**T. Klein**, H. Kim, L. Baek, S. Ha, S. Shim, W. Sames, S. Chong, J. Song  
Seoul (Republic of Korea), APO, Seoul, Ft. Belvoir, VA (USA)
- 10.030 Prevalence of Stx1, Stx2, EaeA and O157 Genes in STEC O157 and Non-O157 Strains Isolated from Cattle, in Southern Iran  
**Y. Tahamtan**, M. Hayati, M. Dabiri  
Shiraz (Iran)
- 10.031 Safe Detection of Rift Valley Fever Virus in Human and Animal Specimens by a Sandwich ELISA  
**P. Jansen van Vuren**, J.T. Paweska  
Johannesburg (South Africa)
- 10.032 Evaluation of a Recombinant Rift Valley Fever Virus Nucleocapsid Protein as a Vaccine Immunogen in Combination with Four Adjuvants  
**P. Jansen van Vuren**, C.T. Tiemessen, J.T. Paweska  
Johannesburg (South Africa)
- 10.033 Occurrence of *Taenia multiceps* Infection in Israel  
**M. Furth**, A. Wasserman, S. Perl, J. El-On  
Beer-Sava, Beit Dagan, Hadera (Israel)
- 10.034 Anthrax in Italy: Neglected or Undervalued Disease?  
**A. Fasanella**, G. Garofalo, A. Battisti, C. Longobardi, A. Franco, F. Panerai, B. Martelli, D. Chiocco  
Borgo San Lorenzo (FI), Foggia, Roma (Italy)
- 10.035 VTEC Food-Borne Outbreaks Reported to the Ministry of Health, Labour and Welfare, Japan in 1998–2005  
**H. Toyofuku**  
Wako (Japan)
- 10.036 Study on Natural Infection with *Chamydophila* Species in a Dairy Herd in North-Eastern Italy  
**D. Dellamaria**, L. Ceglie, M. de Mateo, G. Bucci, B. Marchi, S. Nardelli, O. Parolin, A. Natale  
Legnaro (PD), Legnaro, Padua (Italy)
- 10.037 Human Monkeypox Disease and Investigation in A Border Region of the Republic of Congo and the Democratic Republic of Congo  
**A. MacNeil**, M.G. Reynolds, J.J. Muyembe, J.V. Mombouli, D. Carroll, N. Benzekri, I. Damon  
Brazzaville, Kinshasa (Democratic Republic of the Congo), Atlanta, GA (USA)
- 10.038 Ecosystem Health and Disease Surveillance  
**S.C. Cork**, S. Kutz, B. Buntain  
Alberta, Calgary, Alberta,, Calgary, Alberta (Canada)
- 10.039 Neglected Zoonotic Diseases: Emerging and Re-emerging Scourges in the Developing World  
**F.X. Meslin**  
Geneva (Switzerland)



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- 10.040 Lymphocytic Choriomeningitis Virus in Wild Rodent Species in Northern Italy: Spatial Distribution and Temporal Dynamics  
**V. Tagliapietra**, R. Rosà, H.C. Hauffe, J. Laakkonen, L. Voutilainen, O. Vapalahti, A. Vaheeri, H. Henttonen, A. Rizzoli  
Helsinki, Vantaa (Finland), San Michele all'Adige (Italy)
- 10.041 Priority Setting of Emerging Zoonoses in the Netherlands  
**M. Braks**, M. Toetenel, F. van Rosse, H. Heesterbeek, J. Haagsma, D. Kurowicka, C. Bucura, R. Cooke, A. Havelaar  
Bilthoven, Delft, Utrecht (Netherlands)
- 10.042 Development of a Blueprint for an Early Warning System for Emerging Zoonoses in the Netherlands  
**M. Braks**, P. Kock, J. Mars, J. Wagenaar, F. van Knapen, V. Rijsman, M. Swanenburg, J. van der Giessen  
Bilthoven, Deventer, Lelystad, Utrecht (Netherlands)
- 10.043 Hepatitis E Virus Infection in Germany: a Food-Borne Zoonosis?  
O. Wichmann, A. Plentz, S. Schimanski, J. Koch, M. Kohler, C. Rothe, W. Jilg, **K. Stark**  
Berlin, Regensburg (Germany)
- 10.044 Increasing Prevalence and Spreading of *Echinococcus multilocularis* in the Most Western European Border Line  
**J.W.B. van der Giessen**, M. Vervaeke, A. de Vries, B. Losson, P. Teunis, K. Takumi  
Antwerpen, Liège (Belgium), Bilthoven (Netherlands)
- 10.045 Development of Typing ELISA for New World Hantavirus Infection  
T. Koma, K. Yoshimatsu, M. Taruishi, R. Endo, H. Kariwa, D. Miyashita, T. Seto, R. Murata, I. Takashima, H. Ebihara, H. Feldmann, **J. Arikawa**  
Sapporo, Tokyo (Japan), Hamilton, MT (USA)
- 10.046 Analysis of the Hantavirus-Specific CD8+ T Cell Response in Mice  
**K. Yoshimatsu**, M. Taruishi, J. Arikawa  
Sapporo (Japan)
- 10.047 Pathomorphological and Ultrastructural Diagnosis of West Nile-Virus Infection in Goshawks (*Accipiter gentilis*) in Austria  
**S. Richter**, H. Weissenböck, Z. Bagó  
Mödling, Vienna (Austria)
- 10.048 First Detection and Phylogenetic Analysis of Hepatitis E Virus in Domestic Pigs in Austria  
**D. Zwettler**, S. Revilla-Fernández, M. Fink, A. Steinrigl, J. Köfer, P. Winter  
Mödling (Austria)
- 10.049 Prevalence of *Chlamydothrips psittaci* Determined by Direct PCR in Pigeons in Madrid  
M. Perez, **J. Alvarez**, N. Garcia, S. Gonzalez, I. Martinez, J.M. Camara, L. Dominguez, J. Goyache  
Madrid (Spain)
- 10.050 Nipah Virus: New Entry Model, New Therapeutic Approaches  
**O. Pernet**, C. Pohl, M. Ainouze, H. Kweder, R. Buckland  
Lyon (France)



# POSTER PRESENTATIONS • SESSION 10

International Meeting on Emerging Diseases and Surveillance 2009

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- 10.051 Trends of Lyme Borreliosis in Transilvania, Romania  
**B. Tilea**, I. Tilea, M. Dobreanu  
Targu Mures (Romania)
- 10.052 Marburg Virus Infection in Dutch Tourist  
**L.G. Visser**, P.B.G. ten Ham, T. Schmitt, R. Daemen, A. Timen  
Bilthoven, Eindhoven, Leiden (Netherlands)
- 10.053 Hydatidosis Epidemiology at Humans and Animals in the Area of the Center and North-Vest of Romania  
V. Cosma, P.T. Ciobanca, R. Blaga, C. Gherman, **L.M. Junie**  
Cluj Napoca (Romania)
- 10.054 Animal Bites and Animal Rabies Surveillance in Jordan 2000–2007  
**R. Haddadin**, H. Khazally, A. Mhedat, M. Al-Nsour, B. Al-Hajawii  
Amman (Jordan)
- 10.055 First Crimean-Congo Hemorrhagic Fever case in Greece  
**A. Papa**, V. Dalla, E. Papadimitriou, G. Kartalis, A. Antoniadis  
Alexandroupolis, Thessaloniki (Greece)
- 10.056 Occurrence of *Rickettsia felis* in Fleas (*Ctenocephalides felis felis*) of Cats and Dogs in Italy  
**G. Capelli**, G. Maioli, E. Porcellato, F. Montarsi, C. Furnari, A. De Luca, G. Cringoli, D. Otranto, M.C. Horta, M.B. Labruna, S. Marangon  
Sao Paulo (Brazil), Bari, Chioggia (VE), Legnaro, Legnaro, Naples, Reggio Emilia, Verona (Italy)
- 10.057 Echinococcosis in Serbia: An Emerging Zoonosis?  
**I.V. Colovic**, A.M. Dzamic, S.M. Mitrovic, R. Piarroux, S. Maillard, S. Katic Radivojevic  
Besancon (France), Belgrade (Serbia)
- 10.058 Emerging Zoonoses: Non Pathogenic *Vibrio* Environmental Strains Carrying Virulence and Antibiotic Resistance Genes  
**M. Gennari**, G. Caburlotto, V. Ghidini, M.C. Tafi, A. Marchi, M.M. Lleo  
Verona (Italy)
- 10.059 Documented freedom of *Echinococcus multilocularis* in Sweden  
**H. Wahlström**, E. Osterman Lind, H. Uhlhorn, T. Mörner, G. Hallgren, E. Ågren, D. Christensson  
Uppsala (Sweden)
- 10.060 *Toxoplasma gondii* in Wildlife of Svalbard  
K.W. Prestrud, S.K. Jensen, A. Oksanen, **K. Asbakk**  
Oulu (Finland), Tromso (Norway)
- 10.061 Potential Consequences of Introduction of *Echinococcus multilocularis* Into Sweden  
G. Hallgren, E. Lahti, M. Cedersmyg, D. Christensson, J. Ingman, S. Sternberg Lewerin, I. Vågsholm, U. Windahl, **H. Wahlström**  
Jönköping, Uppsala (Sweden)



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- 10.062 Assessment of the Risk of Introducing *Echinococcus multilocularis* Into Sweden by Dog Movement During a 10-year-period  
**H. Wahlström**, E. Lahti, M. Cedersmyg, D. Christensson, G. Hallgren, U. Windahl, I. Vågsholm  
Jönköping, Uppsala (Sweden)
- 10.063 Cats as Reservoir of Tick-Borne Zoonosis  
**A. Torina**, A. Moretti, A. Alongi, R. D'Agostino, C. Mariani, J. Moretta, S. Caracappa  
Ischia, Naples, Palermo, Perugia (Italy)
- 10.064 Detection of Novel SARS-like and Other Coronaviruses in Bats from Kenya  
**S. Tong**, C. Conrardy, S. Ruone, I. Kuzmin, X. Guo, Y. Tao, M. Niezgodá, L. Haynes, B. Agwand, R. Breiman, L. Anderson, C. Rupprecht  
Nanjing (China), Nairobi, GA (Kenya), Atlanta, GA (USA)
- 10.065 Mapping the Risk of Hemorrhagic Fever with Renal Syndrome by Use of Low-resolution Remote-sensing  
**G.E. Olsson**, A. Lundkvist, D.J. Rogers  
Solna (Sweden), Oxford (United Kingdom)
- 10.066 Pathology of Emerging Helminth Zoonoses in Serbia  
**D. Lalosevic**, V. Lalosevic, I. Klem, L.J. Djurdjev, A. Fenyvesi, S. Knezevic-Usaj, N. Vuckovic  
Novi Sad, Senta, Zrenjanin (Serbia)
- 10.067 First Confirmed Case of Eosinophilic Meningitis Caused by *Angiostrongylus cantonensis* in the State of Espirito Santo, Brazil  
**M.B. Leal**, C.U.G. Ferreira Jr, F.A. Antunes, P.M. Peçanha, C. Cerutti Jr, D.S.F. Dalla Bernardina  
Vitoria (Brazil)
- 10.068 Group A Rotavirus (G12P[6]) and Enteropathogenic *Escherichia coli* (eaeA- $\beta$ )-Associated Diarrhea: A Case of Dual Infection in a Child from Kashmir-India  
**I. Ahmad**, S. Zafurullah, A. Afshan, I. Hussain  
Shuhama, Srinagar, Soura, Srinagar, Srinagar (India), Riyadh (Saudi Arabia)
- 10.069 Geographical Races of Old World Screw- Worm Fly, *Chrysomya Bezziana* Villeneuve, 1914, in South Western Iran  
**S.H. Navidpour**, M. Abdi Goudarzi, A.R. Taheri  
Ahvaz (Iran)
- 10.070 Red Mite (*Dermanyssus gallinae*) Dermatitis In Italian City-dwellers: An Emerging Epizoonosis  
**M.A. Cafiero**, A. Camarda, E. Circella, C. Nardella La Porta, N. Cavaliere, M. Caiazzo, D. Chiocco  
Foggia, Valenzano (Italy)
- 10.071 Investigation of Hepatitis E Outbreak on Board a Cruise Ship  
**B. Said**, D. Morgan, S. Ijaz, G. Kafatos, M. Ramsay  
London (United Kingdom)



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- 10.072 Assay-dependent Seroprevalence of Hepatitis E Virus (Hev) in Blood Donors from Brandenburg, Germany  
**U. Mohn**, S. Dorn, K. Wochinz-Richter, P. Bauer, D. Wassenberg, J. Hofmann, M. Motz, H. Meisel  
Berlin, Neuried (Germany)
- 10.073 Prevalence of *Coxiella burnetii* in Abortions of Cattle in Upper Bavaria  
**P. Zimmermann**, S. Hörmansdorfer, A. Marques, R. Schindlmayr, A. Sing  
Oberschleissheim (Germany)
- 10.074 Crimean-Congo Hemorrhagic Fever Induce Apoptosis  
**H. Karlberg**, Y.J. Tan, A. Mirazimi  
Singapore (Singapore), Solna (Sweden)
- 10.075 The Role of PKR and RNaseL in Controlling the Replication Cycle of Crimean-Congo Hemorrhagic Fever Virus  
**A.A. Kraus**, I. Andersson, F. Weber, A. Mirazimi  
Freiburg (Germany), Solna (Sweden)
- 10.076 Autochthonous HEV Infection of a German Plasma Donor  
**C. Adlhoch**, M. Kaiser, G. Pauli, J. Koch, H. Meisel  
Berlin (Germany)
- 10.077 Learning the Lessons of the 2006/7 Rift Valley Fever Outbreak in Kenya and Tanzania  
C. Jost, J. Mariner, K. Sones, **B. Bett**, S. Kihu, S. Nzietchueng, G. Njogu, E. Swai, B. Minjauw, W. Amanfu, S. de La Rocque, V. Martin  
Rome (Italy), Nairobi (Kenya), Arusha (Tanzania)
- 10.078 A Preliminary Analysis of Leptospirosis Outbreak in 2008 in Sri Lanka  
S. Samaraweera, D. Mendis, N.A.N. Perera, N. Janakan, **H.A. Tissera**, S.B. Agampodi, M.A.R. Priyantha, P. Somaratne, P. Palihawadana  
Colombo, Peradeniya (Sri Lanka)
- 10.079 Psittacosis Outbreak in Poultry Processing Workers in the East of England, 2008  
C.J. Williams, M. Sillis, **P. Nair**  
Norwich, Thetford (United Kingdom)
- 10.080 Prevalence of Intestinal Parasites and Genetic Characterisation of *Strongyloides* in Bornean Orangutans (*Pongo Pygmaeus*) in Central and East Kalimantan, Borneo, Indonesia  
**E.M. Labes**, M. Mathis, D. Hegglin, W. Nurcahyo, N. Wijayanti, P. Deplazes  
Yogyakarta (Indonesia), Zurich (Switzerland)
- 10.081 Screening of the Household Members and Contact Cases of Patients with Acute Brucellosis and Detection of Unrecognized Cases by ELISA  
**Z. Aminzadeh**, B. Farrokhi, H. Akhavan Zanjani, F. Aliyari, Z. Baiati, F. Navaei, J. Mirzaei  
Khoram Abad, Tehran (Iran)



## Outbreak Control / Bruckner/Mahler/Brahms (First Level)

- 10.082 Effect of Solar Disinfection on Viability of Intestinal Protozoa in Drinking Water  
**M. Gaafar**  
Alexandria (Egypt)
- 10.083 Efficacy of Bovine Colostrum Against Experimental Cyclosporiasis and Microsporidiosis  
**M. Gaafar**, E. El-Agamy  
Alexandria (Egypt)
- 10.084 Awareness, Possession and Use of Insecticide Treated Net for Prevention of Malaria in Children Under Five in Abeokuta, Nigeria  
**O. Idowu**  
Abeokuta (Nigeria)
- 10.085 *Aeromonas Hydrophila* and *Stenotrophomonas Maltophilia* Outbreak in Intensive Care Unit Epidemiological and Microbiological Characterization  
**E. Molnar**, B. Libisch, J. Pászti, A. Bexa, A. Szilágyiné Bíró, F. Ficzer, A. Alexy  
Budapest, Gyula (Hungary)
- 10.086 Concurrent Outbreak of Leptospirosis and Dengue in National Service Training Camp in Terengganu, Malaysia 2007  
**E. Rahmah**, K. Balkis, S. Anwa  
Kuala Terengganu (Malaysia)
- 10.087 First Reported Food-Borne Botulism Outbreak in Terengganu, Malaysia, 2008  
**K. Balkis**, E. Rahmah, H. Nordiyannah  
Kuala Terengganu (Malaysia)
- 10.088 Outbreak of *Scedosporium Prolificans* in Haematological Patients  
**M. Rosales**, A. F. E. J. M. Velasco  
Granada (Spain)
- 10.089 Swine Vesicular Disease in Lombardy Region: Pattern of Spread in a High Density Pig Area  
S. Bellini, L. Alborali, V. Bonazza, D. Avisani, **G. Zanardi**  
Brescia (Italy)
- 10.090 An Outbreak of Epidemic Myositis-Associated with Influenza B, Germany, 2008  
**S. Mall**, D. Tibussek, U. Buchholz, S. Diedrich, B. Schweiger, A. Jurke, K. Alpers  
Berlin, Düsseldorf, Münster (Germany)
- 10.091 Use of MIRU-VNTR Tandem Repeats as a Molecular Marker for Genetic Differentiation of *Mycobacterium tuberculosis* Strains  
J. Orlikowska, **A. Sajduda**, M. Krawczyk, J. Dziadek  
Łódź (Poland)
- 10.092 The WHO Clinical Network for Emerging Infectious Disease Response  
**M.L. Lim**, J. Li  
Geneva (Switzerland)



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- 10.093 The Delivery of *Bacillus thuringiensis israelensis* to Adult Mosquitoes—  
Implications for Malaria and Dengue Control  
**T.M. Kollars, Jr.**, B. Hulsey, M.G.W. Phillips  
Washington, DC, Statesboro, GA (USA)
- 10.094 *Mycobacterium massiliense* Infections Following Video-Surgeries or Implant of  
Breast Prosthesis at Metropolitan Area of Vitoria (Brazil): 126 Cases Treated.  
**D.J. Hadad**, M.F. Andrade, J.A. Carvalho, L.P.D. Molino, G. Fregona, V.V. Dettoni,  
C.M.L. Pinheiro, S.A. Vinhas, M. Palaci, R.L. Fioravanti, G.L. Almada, A.L.L. Rodrigues,  
S.C. Leao, R. Dietze  
São Paulo, Vitoria (Brazil)
- 10.095 Comparing the effectiveness of Hantavirus outreach in Northwestern  
New Mexico, Panama, and Chile  
**M. McConnell**  
Albuquerque, NM (USA)
- 10.096 Control of Re-emerging Imported Measles in Albania  
**S. Bino**  
Tirana (Albania)
- 10.097 Outbreak of *Mycobacterium massiliense* Infections Following Video-Surgeries  
or Implant of Breast Prosthesis at Espírito Santo State:  
Control and Prevention Measures  
**A.L.L. Rodrigues**, G.L. Almada, R.L. Fioravanti, C.U. Ferreira, V.V. Dettoni,  
D.J. Hadad, M. Palaci  
Vitoria (Brazil)
- 10.098 Food-Borne Listeriosis Outbreak: Are Current Thresholds Sufficient for  
Susceptible Populations?  
C.H. Winter, **S.O. Brockmann**, R. Prager, H. Hof, B. Becker, S.R. Sonntag,  
T. Schaupp, T. Stegmanns, H. Roloff, G. Vollrath, A.E. Kuhm, G.K. Schmolz,  
G.B. Klittich, G. Pfaff, I. Piechotowski  
Backnang, Berlin, Karlsruhe, Mannheim, Stuttgart (Germany)
- 10.099 Outbreak of *M. massiliense* Infections Following Video-Surgeries or Implant of  
Breast Prosthesis at Espírito Santo State: Epidemiological and Clinical Features  
**A.L.L. Rodrigues**, G.L. Almada, R.L. Fioravanti, C.U. Ferreira, D.J. Hadad,  
M.F. Andrade, J.A. Carvalho, G. Fregona, V.V. Dettoni, M. Palaci  
Vitoria (Brazil)
- 10.100 An Outbreak of Salmonella Reading Affecting Humans and Animals in Sweden  
**E. Lahti**, S. Ivarsson, E. Ågren, M. Thelander, L. Sjöland, E. Eriksson, A. Aspan,  
E. Szanto, S. Löfdahl, L. Plym Forshell, H. Wahlström  
Jönköping, Kristianstad, Solna, Uppsala (Sweden)
- 10.101 A Food-Borne Outbreak of Shigellosis  
**B. de Jong**, M. Insulander, B. Svenungsson  
Stockholm (Sweden)
- 10.102 Fluorescence-tagged Influenza Virus for Tracking of Infection Cycle  
**W.J. Shin**, Y.H. Jang, K.H. Lee, B.L. Seong  
Seoul (Republic of Korea)



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- 10.103 Nationwide Outbreak of Salmonella Panama in Children Due to Mini-Salami Sticks, Germany, Summer 2007  
F. Burckhardt, A. Gervelmeyer, W. Rabsch, P. Hiller, R. Prager, B. Klieber, C. Frank,  
**K. Stark**  
Berlin, Thuringia, Wernigerode (Germany)
- 10.104 Measles Outbreak in Southern Bavaria, 2008: Educate General Population About Measles Disease and Vaccine to Increase Vaccination Coverage  
**M. Wadl**, A. Siedler, W. Krämer, M. Haindl, S. Gebrande, I. Krenn-Lanzl, A. Mankertz, W. Hautmann  
Berchtesgaden, Berlin, Mühldorf am Inn, Oberschleissheim, Rosenheim, Traunstein (Germany)
- 10.105 Our Experiences about Diagnostic, Control and Eradication of *Dysenteriae Suum* Disease at Industrial Pig Farm  
**A. Nitovski**, M. Milenkovic, D. Grcak, V. Milanovic  
Zubin Potok (Serbia)
- 10.106 Vaccination Strategies for Healthcare Workers Based on Social Networks  
**D.E. Curtis**, S. Pemmaraju, C. Hlady, J. Fries, T. Herman, A.M. Segre, P.M. Polgreen  
Iowa City, IA (USA)
- 10.107 Biochemical Properties of Severe Acute Respiratory Syndrome Coronavirus RNA-dependent RNA Polymerase  
**D.G. Ahn**, J.K. Choi, I.J. Jeon, J.W. Oh  
Seoul (Republic of Korea)
- 10.108 Impact of a Video-based Intervention on Knowledge and Attitudes of Monkeypox Prevention and Care in Rural Republic of Congo (Likouala Region), November 2008  
**A.A. Roess**, E. Kinzoni, C. Moses, E. Nkenda-Badinga, A. MacNeil, N.A. Benzekari, M.G. Reynolds, I.K. Damon  
Brazzaville (Congo), Washington, DC, Atlanta, GA (USA)
- 10.109 Comparing the Length of Isolation Periods to Prevent the Nosocomial Spread of Mumps  
**C. Hlady**, T. Tassier, A.M. Segre, T. Herman, S. Pemmaraju, J. Fries, P.M. Polgreen  
Iowa City, IA, Bronx, NY (USA)
- 10.110 Rabies Control Post Invasion Iraq  
**H. Gobble**, A. Bostick  
Ft. Hood, TX (USA)
- 10.111 Understanding Transmission of the 1918 Influenza in Canada: Implications for Pandemic Control Strategies  
**S. Zhang**, P. Yan  
Ottawa (Canada)
- 10.112 Neuro-Nocardiosis in an 11-year-old Boy  
**P. Nikbakhti**  
Tehran (Iran)
- 10.113 Histoplasmosis in the Oral Cavity: A First Case Report in Turkey  
**O. Coskun**, Y. Cil, H. Erdem  
Ankara (Turkey)



## Avian Influenza / Bruckner/Mahler/Brahms (First Level)

- 10.114 Human Influenza Virus and Mitochondrial Respiration  
**M. Derakhshan**  
Mashhad (Iran)
- 10.115 An Early Warning System for Low Pathogenic Avian Influenza (LPAI) in Commercial Egg Laying Flocks  
**D. Beltrán Alcrudo**, T.E. Carpenter, C. Cardona  
Davis, CA (USA)
- 10.116 Molecular Characterization of a Highly Pathogenic H5N1 Influenza A Virus Isolated From a Tiger In China  
M.H. Mushtaq, P. Jiang, **M.M. Mukhtar**  
Nanjing (China), Lahore (Pakistan)
- 10.117 Sequence variation in molecular diagnosis target of influenza virus type A  
**N. Garcia**, M. Perez, J. Alvarez, S. Gonzalez, I. Martinez, S. Gomez, L. Dominguez, J. Goyache  
Madrid (Spain)
- 10.118 Reproduction Ratio of Avian Influenza Epidemics in Europe in 2006–2008  
**I. Iglesias**, A.M. Perez, J.M. Sanchez-Vizcaino, M.J. Muñoz, M. Martinez, A. de la Torre  
Madrid, Valdeolmos (Spain), Davis, CA (USA)
- 10.119 Development of a Small Scale Facility to Evaluate the Efficiency of Commercially Available Masks and Respirators Against an Aerosol of Influenza A Virus.  
C. Louveau, V. Lafontaine, S. Burhkart, **L. Garnier**  
Vert Le Petit (France)
- 10.120 Predictions of Structural and Functional in the Hemagglutinin Protein of Selected Strains of Influenza Virus  
**R. Siam**, M.M. ElHefnawi  
Cairo (Egypt)
- 10.121 Project “Constanze”—Tri-National Surveillance Program of Avian Influenza in Sentinel Mallards at Lake Constance  
N. Greber, P. Fink, **A. Nigsch**, E. Wodak, S. Revilla-Fernández, M. Fink  
Bregenz, Moedling (Austria)
- 10.122 Preparation for Pandemic of Influenza in Republic of Serbia  
**N. Milic**, P. Kon, N. Zakula, V. Djerkovic, B. Todorovic, E. Gvozdenovic, V. Saponjic, P. Marusic, V. Petrovic, J. Nedeljkovic, B. Plavsic, M. Bojovic-Klasnja, G. Tosovic  
Belgrade, Kraljevo, Nis, Vojvodina, Zajecar (Serbia)
- 10.123 The Community Awareness of Avian Influenza in the Incidence Areas Based on Their Knowledge and the Prevention Practices in Tangerang, Banten Province, Indonesia  
**L. Safira**, A. Siddiq  
Jakarta Selatan (Indonesia)
- 10.124 Geographical Spread of HPAI H5N1 Avian Influenza During the Outbreak 2006 in Austria Based on Molecular Analysis of the HA and NA Genes  
**M. Fink**, S. Revilla-Fernández, P. Winter, J. Koefer  
Moedling (Austria)
- 10.125 Serological Survey of Influenza Type A Viruses in Dogs Living in Poultry Farms in North-Eastern Italy  
**A. Piccirillo**, D. Pasotto, F. Galuppo, A. Moreno Martin, P. Cordioli  
Brescia, Este (Padua), Legnaro (Padua) (Italy)
- 10.126 Detection of Avian Influenza Viruses in Wild Birds in Catalonia (North-Eastern Spain) from 2006 to 2008  
**N. Busquets**, A. Alba, S. Napp, E. Serrano, R. Rivas, J.I. Nuñez, N. Majó  
Barcelona (Spain)



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- 10.127      Detection of Avian Influenza Virus in Surface Water  
**H. Blaak**, H.H.J.L. van den Berg, S.A. Rutjes, A.M. de Roda Husman  
Bilthoven (Netherlands)
- 10.128      Mutations of Public Health Relevance in Contemporary H5N1 Viruses Isolated in Africa and the Middle East  
**I. Monne**, A. Fusaro, A. Salviato, G. Cattoli, I. Capua  
Legnaro (Padova) (Italy)
- 10.129      Achievements, Failures and Future Strategies Related to Capacity Building and Training Efforts in African Countries Following the H5N1 Global Crisis  
G. Cattoli, **P. De Benedictis**, R. Nisi, F. Cilloni, G. Dauphin, I. Capua  
Legnaro, Rome (Italy)
- 10.130      Development of A RT-PCR and a Real Time RT-PCR Assay for the Detection of Avian Influenza Virus  
**M. Yuste**, J. Fernandez, E. Sotelo, A. Robles, M.C. Gomez, C. Perez, F. Esperon, M. Arias Valdeolmos (Spain)
- 10.131      At least four separate introductions of H5N1 in Nigeria between 2006 and 2008  
A. Fusaro, **I. Monne**, L. Bertolotti, A. Salviato, G. Cattoli, T. Joannis, L.H. Lombin, I. Capua  
Gugliasco, Torino, Legnaro, Padova (Italy), Plateau State (Nigeria)
- 10.132      Predicting Altered Glycan Binding by Avian Influenza Hemagglutinin Mutants  
**P.M. Kasson**, D.L. Ensign, V.S. Pande  
Stanford, CA (USA)
- 10.133      Resources Mobilization and Inter-organizational Communication During an Influenza Pandemic in Thailand  
**W. Putthasri**, P. Chompook, J. Lertiendumrong, R. Coker, V. Tangcharoensathien  
Nonthaburi (Thailand), London (United Kingdom)
- 10.134      The Spread and Evolution of Highly Pathogenic Avian Influenza (HPAI) H5N1 in Africa  
N.A. Gerloff, J.R. Kremer, A.A. Owoade, M.F. Ducatez, J.O. Taiwo, M.C. Tahita, J.B. Ouedraogo, A. Sow, **J.M. Hübschen**, C.P. Muller  
Bobo-Dioulasso (Burkina Faso), Luxembourg (Luxembourg), Abeokuta, Ibadan (Nigeria), Memphis, TN (USA)
- 10.135      Cross-Neutralization Activity Against the Hemagglutinin of Influenza A  
**S. Åkerström**, A. Mirazimi, Y.J. Tan  
Singapore (Singapore), 171 82 Solna, Solna (Sweden)
- 10.136      From Avian Influenza to One Health. A Connected Governance of Emerging Diseases  
**A.L. Leboeuf**  
Paris (France)
- 10.137      One Medicine Approach to Avian Influenza Prevention and Control in the Live Bird Marketing Systems in the U.S.A. and the Western Hemisphere  
**P. Klein**, F. Hegngi, J. Bruzual, M. Gonzalez Ortiz, M. Chavez, C. Sandoval, J. Leon  
San Salvador (El Salvador), Mexico City (Mexico), Panama City (Panama), Riverdale, MD (USA), Caracas (Venezuela)



## Antibiotic Resistance / Bruckner/Mahler/Brahms (First Level)

- 10.138 Outbreak of Infections Due to *Klebsiella Pneumoniae* Carbapenem (KPC)-Producing *K. pneumoniae* in a Hospital in Greece  
**H. Maltezou**, P. Giakoupi, A. Maragos, M. Bolikas, V. Raftopoulos, H. Papahatzaki, T. Papadimitriou, G. Vrouhos, V. Liakou, A.C. Vatopoulos  
Athens, Heraclio, Heraclio (Greece)
- 10.139 A Novel Extended-Spectrum SHV-Type beta-Lactamase, SHV-104, from *Klebsiella pneumoniae*  
**N. Ben Achour**, P. Mercuri, C. Belhadj, M. Ben Moussa, J.M. Frere, M. Galleni, O. Belhadj  
Liège (Belgium), Tunis (Tunisia)
- 10.140 Detection of Resistant Van-Positive, Negative Entrococci and Determination of Their Antibacterial Susceptibility Patterns to the Newly Introduced Antibiotics  
**A. Japoni**, S.H. Ziaian, S.H. Farshad, A. Alborzi  
Shiraz (Iran)
- 10.141 Multidrug-Resistant Bacteria Isolated from Patients' Samples in Intensive Care Units  
**A. Japoni**, A. Vazin, M. Hamed, M.A. Davarpanah, A. Alborzi, N. Razaatpour  
Shiraz (Iran)
- 10.142 Antimicrobial Resistance Patterns of Gram-Negative Bacteria from the Surgical Department of a General Hospital  
A. Koteli, I. Koutelidakis, P.Tsiaousis, **K. Kontopoulou**, K. Atmatzidis  
Thessaloniki (Greece)
- 10.143 Antimicrobial Resistance of Gram-Negative Pathogens Isolated from Intensive Care Unit Patients with Bacteraemia  
**K. Kontopoulou**, A. Koteli, S. Vasiliagou, E. Antoniadou  
Thessaloniki (Greece)
- 10.144 Frequency and Antimicrobial Susceptibility of Gram-Negative Bacteria Isolated From Makkah Hospitals-Saudi Arabia  
**A.H. Asghar**, H.S. Faidah  
Makkah (Saudi Arabia)
- 10.145 Antimicrobial Resistance Patterns of *Acinetobacter baumannii* Isolated from Intensive Care Unit  
A. Koteli, **K. Kontopoulou**, A. Bekridelis, E. Antoniadou  
Thessaloniki (Greece)
- 10.146 Re-conceptualizing Interventions in Drug-Resistant TB Among Poor Communities in Africa  
**B. Orimbo**  
Nairobi (Kenya)
- 10.147 The Correlation Between Antimicrobial Consumption and Resistance Pattern of Pathogens Isolated from Patients with Nosocomial Infections from ICUs of a Teaching Hospital  
**A. Vazin**, M. Hamed, M.A. Davarpanah, A. Japoni, N. rafatpour  
Shiraz (Iran)
- 10.148 Risk Factors for Nosocomial Bacteremia Due to *Pseudomonas aeruginosa* and Multiple Drug-Resistant *P.aeruginosa*  
**A. Vilella**, R. Ruiz, J.A. Martinez, M. Martinez, A. Soriano, J. Mensa, A. Trilla  
Barcelona (Spain)



Room: Bruckner/Mahler/Brahms / First Level

Saturday, February 14, 2009

11:45–12:45

- 10.149 Antimicrobial Susceptibility and Resistance of MRSA-Methicillin-Resistant *Staphylococcus aureus*  
**I.Z. Zurak**  
Zagreb (Croatia)
- 10.150 Parallel Evolution of Multidrug-Resistance in Pathogenic Bacteria isolated from an Asymptomatic Livestock Reservoir  
**G.G. Perron**, G. Bell, S. Quessy  
Montreal, Saint-Hyacinthe (Canada), Oxford (United Kingdom)
- 10.151 Treatment of Bacterial Vaginosis: A Comparison of Oral Metronidazole and Metronidazole Vaginal Gel  
**P.Afshari**  
Ahvaz (Iran)
- 10.152 Alternative Therapies for Combating Antimicrobial Resistance and Reduction of Severe Nosocomial Infections  
**L.M. Junie**, S. Rapuntean, N. Fit, M.C. Cuc, F. Pitu, G. Rapuntean, L. Deac Simon, P.T. Ciobanca  
Cluj Napoca (Romania)
- 10.153 Investigation of Vancomycin Resistance Among Different Clinical Isolates of *Staphylococcus aureus* in Tehran  
**M.M. Attarpour Yazdi**  
Tehran (Iran)
- 10.154 Frequency of *Staphylococcus* Species Among Nosocomial Infections from Sina Hospital in Tehran, Their Resistance to Usual Antibiotics and Identification the Beta Lactamase Producers by Starch Rapid Paper Strip Test  
**F. Bagheri Bejestani**, M. Hakemi Vala, P. Kavakeb, G. Fazel, M. Saleh  
Tehran (Iran)
- 10.155 The Effect of Grapefruit Aqueous Seed Extract Against *Candidia albicans* Resistant to Floconazol and Clotrimazol  
**F. Fallah**, M. Fallah, A. Houshmand, M. Malekan  
Tehran (Iran)
- 10.156 The Role of Aerobic and Anaerobic Bacteria Imputation of Foot in Diabetic People  
**F. Fallah**, G. Eslami, S. Taheri, H. Goudarzi  
Tehran (Iran)
- 10.157 Questionable Use of Fluoroquinolones for the Treatment of Enteric Fever in Nepal  
D. Acharya, S. Malla, D. Bhatta, **S.P. Dumre**  
Kathmandu (Nepal)
- 10.158 Isolated of *Staphylococcus Epidermidis* to Vancomycin and Oxacillin from Nosocomial Infections  
**G. Eslami**, F. Fallah, J. Mardane, S. Taheri, H. Goudarzi  
Tehran (Iran)
- 10.159 Nosocomial Staphylococcal Infections and Their Colonization in Different Wards of a Tertiary Care Hospital in Pakistan  
**I. Tayyaba**, M.K. Shahzad, I. Sadia, N. Ijaz, A.M. Akhtar  
Lahore (Pakistan)



Room: Bruckner/Mahler/Brahms / First Level

Saturday, February 14, 2009

11:45–12:45

- 10.160 Antibiotic Susceptibility of *Staphylococcus aureus* from Blood Cultures: Medical vs. Surgical Wards  
**T. Tosic**, M. Jovanovic, B. Stosovic, I. Milosevic, L. Lavadinovic, G. Stevanovic, B. Milosevic, O. Dulovic, M. Pavlovic, M. Pelemis  
Belgrade (Serbia)
- 10.161 Enterococci from Blood Cultures-Antimicrobial Susceptibility before and after Occurrence of Vancomycin Resistance  
**B. Stosovic**, M. Jovanovic, T. Tosic, L. Lavadinovic, I. Milosevic, G. Stevanovic, B. Milosevic, O. Dulovic, L. Dokic, M. Pavlovic, M. Pelemis  
Belgrade (Serbia)
- 10.162 The Prevalence of Antibiotic Resistance in Anaerobic Bacteria Isolated from Patients with Skin Infections  
**G. Eslami**, M. Navidinia, J. Hosseini  
Tehran (Iran)
- 10.163 Antimicrobial Activity of Various Antibiotics Against Pathogens of Nosocomial Origin  
**I. Tayyaba**, M.A. Khan, S. Ijaz, M.K. Shahzad  
Lahore (Pakistan)
- 10.164 Comparative Minimum Inhibitory Concentration (MIC) and Mutant Prevention Concentration (MPC) Values of Enrofloxacin (ENR) Against *E. coli* (EC), *Pasteurella multocida* (PM) and *Actinobacillus pleuropneumoniae* (APP) Bacteria Prevalent in Swine Infections  
**J. Blondeau**, M. Grobbel, S. Borsos, L.D. Blondeau, B.J. Blondeau  
Saskatoon (Canada), Berlin (Germany)
- 10.165 Ampicillin Resistant *Enterococcus Faecium* in ICU  
**M. Kalaitzopoulou**, D. Spanogiannis, E. Kakasi, I. Charalampidou, E. Kosmidou  
Thessaloniki (Greece)
- 10.166 Comparative Killing of Bovine Isolates of *Mannheimia haemolytica* (MH) by Enrofloxacin (ENR), Florfenicol (FL), Tilmicosin (TIL) and Tulathromycin (TUL) Using the Measured Minimum Inhibitory (MIC) and Mutant Prevention Concentrations (MPC) and Maximum Serum ( $C_{max}$  and Tissue ( $T_{max}$ ) Drug Concentration Values  
**J.M. Blondeau**, S. Borsos, C. Hesje, L.D. Blondeau, B.J. Blondeau  
Saskatoon (Canada)
- 10.167 Emerging *Escherichia coli* Clone ST131 is Highly Prominent Among Extraintestinal Pathogenic Isolates from a Private Hospital in Northern India  
A. Sharma, M. Billig, A. Chordiya, **S. Weissman**  
Mohali (India), Seattle, WA (USA)
- 10.168 An Emerging Infection by Carbapenem-Resistant *Acinetobacter baumannii* in Adult Intensive Care Units  
**K.S. Liu**, S.J. Huang, S.F. Yu, Y.W. Liu, M.C. Lu  
Taichung (Taiwan)
- 10.169 Antimicrobial Resistance Phenotypes of *Proteus mirabilis* Isolates during a 6-year-period  
**K. Kontopoulou**, I. Stoikou, A. Koteli  
Thessaloniki (Greece)
- 10.170 Healthcare-Associated Candidemia: A Distinct Entity  
**J. Gulia**, S. Aryal, H. Saadlla, A. Shorr  
Washington, DC (USA)



Room: Bruckner/Mahler/Brahms / First Level

Saturday, February 14, 2009

11:45–12:45

- 10.171 Comparison of Clinical Outcomes Between Candidemia Caused by *Candida albicans* and *Candida glabrata*  
**J. Gulia**, H. Saadlla, A. Shorr  
Washington, DC (USA)
- 10.172 Assessment of Health Risk of Antimicrobial Resistant *Campylobacter*-Associated with the Consumption of Organically and Intensively Reared Broilers  
**N. Soonthornchaikul**, H. Garelick  
Pathumthani (Thailand), London (United Kingdom)
- 10.173 Phenotypic and Genotypic Characterization of Antimicrobial Resistance in Uropathogenic *Escherichia coli* in Lebanon  
**S. Tokajian**, N. Al-Najjar, M. Farah, F. Hashwa  
Byblos (Lebanon)
- 10.174 Utility of Real Time-PCR in the Diagnosis of Drug-Resistant Tuberculosis in Veracruz, Mexico  
**R. Zenteno**, J.C. Zenteno, A. Cuellar, B. Cuevas, C. Sampieri, A. Parissi  
DF. Mexico, Veracruz (Mexico)
- 10.175 New Antimycobacterial Substances for MDR and XDR Mycobacterium Species  
**S. Kazmi**, A. Farooqui, S. Cannas, B. Paglietti, P. Molicotti, S. Rubino, S. Zanetti  
Sassari (Italy), Karachi (Pakistan)
- 10.176 Bacterial Resistance to Ciprofloxacin in Tripoli Medical Center: An Overview of Four Months Surveillance Study  
**M. Ellabib**, A. Ramali, H. Shebrlo  
Tripoli (Lybia Arab Jamahiriya)
- 10.177 Antibiotic Susceptibility Testing and PCR-RFLP Analysis of Protein A Gene (*spa*) of Methicillin-Resistant *Staphylococcus aureus* Isolates  
**S. Bagherzadeh Yazdchi**, M.R. Pourmand, M.R. Khorramizadeh, M. Hosseini, J. Zaeimi Yazdi, N. Mardani  
Tehran, Yazd (Iran)
- 10.178 An outbreak of Panton-Valentine Leukocidin-Methicillin-Resistant *Staphylococcus aureus* (MRSA) Infections Among Health-care Workers (HCWs) in a Long-Term Care Facility (LTCF)  
**H. Maltezou**, S. Vourli, P. Katerelos, A. Maragos, S. Kotsalidou, E. Basanou, T. Papadimitriou, I. Pierrousakos, A.C. Vatopoulos  
Athens (Greece)
- 10.179 The Effect of Galbanum (from *Ferula Gummosa*) Against Mycobacterium Bovis  
**M. Fallah**, P. Nikbakhti  
Tehran (Iran)
- 10.180 Effect of Hyperproduction of SHV Extended-Spectrum Beta-Lactamases on the Duration of Postantibiotic and Post-Beta-Lactamase Inhibitor Effect of Ceftazidime Combined with Clavulanic Acid  
**B. Bedenic**, J. Vranes, S. Uzunovic-Kamberovic, V. Plecko, L.J. Mihaljevic, S. Kalenic Zenica (Bosnia and Herzegovina), Zagreb (Croatia)



## Vaccines Against Emerging Diseases / Bruckner/Mahler/Brahms (First Level)

- 10.181 Economic Analysis of Pre-Pandemic Influenza Vaccination Strategies in Singapore  
**V.J. Lee**, M.Y. Tok, M.I. Chen, V. Chow, K.H. Phua, E.E. Ooi  
Singapore (Singapore)
- 10.182 DNA Immunization with A Single-Plasmid Construct Coding for Virus-like Particles Protect Mice Against Infection with A Highly Pathogenic Avian Influenza A Virus  
**J. Szécsi**, G. Gabriel, G. Edfeldt, M. Michelet, H.D. Klenk, F.L. Cosset  
Lyon (France), Marburg (Germany)
- 10.183 CD40-Ligand-Dependent-CD4+ T Cell Mediated Control of the Acute Venezuelan Equine Encephalitis Virus Infection in Murine Brain  
N. Yun, B.H. Peng, M. Zacks, D. Estes, **S. Paessler**  
Galveston, TX (USA)
- 10.184 Vaccine Development to Control the Emergence of Disease in Livestock and Humans in New Zealand Caused by Salmonella Brandenburg  
**R. McFarlane**, H. Li  
Christchurch (New Zealand)
- 10.185 Reported Cases of TBE, Risk Assessment and Vaccination in North Eastern Italy in the Period 2003–2007  
**P. D'Agaro**, A. Iob, T. Pallober, M. Forgiarini, M. Ruscio, F. Nazzi, S. Del Fabbro, P. Burgnic, P. Pischiutti, C. Campello  
Gemona del Friuli, San Daniele del Friuli, Trieste, Udine (Italy)
- 10.186 Compliance for Three Doses of RotaTeq® is Similar to That for Three Doses of DTaP in US  
**A. El Khoury**, J. Loughlin, F. Wang, C. Mast, M. Doherty, J.D. Seeger  
Waltham, MA, West Point, PA (USA)
- 10.187 A New Vaccination Approach Against *Helicobacter pylori* Infection Through Application of Recombinant Bacterial Ghosts  
**Y. Talebkhan**, M. Esmaeili, M. Bababeik, N. Razavi, M. Sadeghi, M. Mohammadi  
Tehran (Iran)
- 10.188 Expression of Dengue Virus Envelope and NS1 Proteins for Prospective Therapeutic and Diagnostic Applications  
**A. Ganguly**, S. Mongkolaungkoon, D. Das, M.R. Suresh  
Edmonton (Canada)
- 10.189 Chemotherapy and Chemotherapy along with Immunotherapy (Mycobacterium w) in treatment of tuberculosis infected mice  
J. Faujdar, M. Natrajan, R. Dass, D. Chauhan, **U. Gupta**, V. Katoch  
Agra (India)
- 10.190 Detection and Sequencing of CPV-2 DNA in Fecal Samples of Puppies After Vaccination  
V. Benetka, N. Affenzeller, M. Lepschy, **K. Moestl**  
Vienna (Austria)
- 10.191 Asia and Development of New-Generation Vaccines for Rabies  
**E. Moghtadai Khorasgani**  
Shahrekord (Iran)
- 10.192 Immunogenicity and Protective Ability of Recombinant Omp28 from *Brucella melitensis* in Mice  
**P. Kaushik**, D.K. Singh, P. Chaudhury, G. Shukla  
Bareilly, Patna (India)



## PARALLEL SESSION II

International Meeting on Emerging Diseases and Surveillance 2009

Room: Park Congress / Ground Level

Sunday, February 15, 2009

08:30–10:30

### ROUNDTABLE: SURVEILLANCE SYSTEMS IN PRACTICE

**Co-Chairs:** Larry Madoff, USA  
Yu Fang, Canada

11.001 MECIDS: Cross Border Surveillance and Response in the Middle East  
**A. Leventhal**, D. Cohen  
Jerusalem, Tel Aviv (Israel)

11.002 CaribVET: Animal Disease Surveillance Network in the Caribbean  
**T. Lefrancois**, P. Hendrikx, N. Ehrhardt, S. Ahoussou, M. Kalloo, J. Shaw,  
D. Martinez, M. Trotman  
St Michael (Barbados), Santo Domingo (Dominican Republic), Lyon,  
Montpellier (France), Petit Bourg (Guadeloupe), Georgetown (Guyana)

11.003 Healthmap/ProMED  
**J. Brownstein**  
Boston, MA (USA)

11.004 Epi South: From a European Project to a Mediterranean Network for the  
Control of Communicable Diseases  
**S. Declich**  
Rome (Italy)

11.005 The World Animal Health Information System: WAHIS  
**K. Ben Jebara**  
Paris (France)

10:30–11:00 **Coffee Break** (Ground Level AND First Level)



## PARALLEL SESSION 12 • ORAL PRESENTATIONS

International Meeting on Emerging Diseases and Surveillance 2009

Room: Klimt Ballroom 2 & 3 / First Level

Sunday, February 15, 2009

08:30–10:30

### VECTOR-BORNE DISEASES IN HUMANS AND OTHER ANIMALS

**Co-Chairs:** Jaime Torres, Venezuela  
Thomas Yuill, USA

12.001 Mapping the Risk of Tick-Borne Encephalitis by Use of Low-Resolution  
Remote-Sensing  
**G.E. Olsson**, M. Hjertqvist, M. Arneborn, A. Lundkvist, S.E. Randolph, D.J. Rogers  
Solna (Sweden), Oxford (United Kingdom)

12.002 Threat of Malaria Outbreak Following Tsunami Disaster in Andaman and  
Nicobar Islands, India and Its Control  
**R. Kumari**, S. Lal  
Delhi (India)



## PARALLEL SESSION 12 • ORAL PRESENTATIONS

International Meeting on Emerging Diseases and Surveillance 2009

Room: Klimt Ballroom 2 & 3 / First Level

Sunday, February 15, 2009

08:30–10:30

- 12.003 Infection of Antigen Presenting Cells with Crimean-Congo Hemorrhagic Fever and Dugbe Nairoviruses: Effect on Key Immunomodulators  
**C. Peyrefitte**, M. Perret, S. Garcia, A. Bagnaud, R. Rodrigues, G. Vernet, D. Garin, M. Bouloy, G. Paranhos-Baccalà  
Grenoble, Lyon, Paris (France)
- 12.004 Outbreak of Tick-Borne Encephalitis (TBE) due to Consumption of Goat Cheese from an Alpine Pasture of High Altitude  
**H. Holzmann**, S.W. Aberle, K. Stiasny, W. Philipp, A. Mischak, B. Zainer, M. Netzer, S. Koppi, E. Bechter, F.X. Heinz  
Rankweil, Vienna, Vorarlberg (Austria)
- 12.005 Laboratory Based Surveillance of Dengue Viral Infection in Lahore Pakistan  
**I. Tayyaba**, M.A. Khan, M.K. Shahzad, I. Sadia, N. Ijaz  
Lahore (Pakistan)
- 12.006 Dengue Fever Imported from West Africa to France between 2006 and 2008  
**G. La Ruche**, D. Dejour-Salamanca, C. Renaudat, M. Grandadam, V. Caro, L. Vaillant, M. Ledrans, A. Tarantola  
Paris, Saint Maurice (France)
- 12.007 Description of Mortality Fluctuations in the Reunion Island Population During the Chikungunya Outbreak in 2005–2006  
**L. Josseran**, J.L. Solet, A. Fouillet, D. Illef, V. Pierre  
Saint Denis de la Réunion, Saint Maurice (France)
- 12.008 Re-emergence of Chikungunya Fever Outbreak in Southern Provinces of Thailand, 2008  
**R. Buathong**, S. Sanohsieng, T. Wilailertrattanapong, P. Ayood, S. Anathapreecha, A. Nisalak, R.G. Jarman, J.H. Richardson, L. Likhityingwara, S. Iamsirithaworn, K. Ungchusak  
Bangkok, Narathiwat, Nonthaburi (Thailand)
- 12.009 Surveillance and Investigation of Chikungunya in Singapore  
**L.C. Ng**, L.K. Tan, C.H. Tan, S.S.Y. Tan, H.C. Hapuarachch, K.Y. Pok, Y.L. Lai, S.G. Lam-Phua, G. Bucht, R.T.P. Lin, Y.S. Leo, B.H. Tan, P.L. Ooi, L. James, S.P. Khoo  
Singapore (Singapore)
- 12.010 West Nile in Europe: A Review of the Current Situation and its Implications on Blood Donation  
H. Zeller, K. Leitmeyer, **D. Coulombier**  
Stockholm (Sweden)
- 12.011 Serious Adverse Events Surveillance Following Yellow Fever Immunisation in Developing Countries  
**J.G. Breugelmans**, S. Yactayo, D.I. Nassoury, N. Koné, J.L. Kambou, B.D. Gessner, W. Perea  
Ouagadougou (Burkina Faso), Paris (France), Bamako (Mali), Geneva (Switzerland), Lomé (Togo)
- 12.012 Artemisinin-Resistant Malaria: A New Emerging Disease  
**H. Noedl**  
Vienna (Austria)
- 10:30–11:00 **Coffee Break** (Ground Level AND First Level)



# PLENARY LECTURE • SESSION 13

International Meeting on Emerging Diseases and Surveillance 2009

Room: Park Congress / Ground Level

Sunday, February 15, 2009

11:00–11:45

## WHEN GERMS TRAVEL: SOCIAL, ECONOMIC, POLITICAL AND CULTURAL ASPECTS OF CONTAGIOUS CRISES ACROSS TIME—HOWARD MARKEL

**Chair:** Marjorie Pollack, USA

13.001 When Germs Travel: Social, Economic, Political and Cultural Aspects of Contagious Crises Across Time

**H. Markel**

Ann Arbor, MI (USA)

11:45–12:45

### POSTER PRESENTATIONS II / SESSION 18 (See pages 38–54)

#### Klimt Ballroom I (First Level):

*Abstract Number*      *Topic*

18.001 – 18.049      Emerging Vector-borne Diseases in Humans and Animals

18.050 – 18.082      Models of Disease Surveillance, Detection, and Reporting

#### Room Bruckner/Mahler/Brahms (First Level):

*Abstract Number*      *Topic*

18.083 – 18.092      Surveillance Using Informal Sources

18.093 – 18.098      Syndromic Surveillance

18.099 – 18.138      Regional Disease Surveillance

18.139 – 18.166      Laboratory Surveillance

18.167 – 18.176      New Pathogen Discovery

18.177 – 18.180      Agents of Bioterrorism

18.181 – 18.183      Climate Change



# PARALLEL SESSION 14

International Meeting on Emerging Diseases and Surveillance 2009

Room: Park Congress / Ground Level

Sunday, February 15, 2009

14:30–16:00

## GLOBAL MOVEMENTS OF HUMANS, ANIMALS AND DISEASES

**Co-Chairs:** Nina Marano, USA  
William Karesh, USA

14.001 Travelers as Sentinels of Emerging Diseases

**E. Barnett**

Boston, MA (USA)

14.002 Diseases that Travel with Animals

**N. Marano**, G. Galland

Atlanta, GA (USA)

14.003 Globalization and Human Migration

**M. Cetron**

Atlanta, GA (USA)

16:00–16:30

**Coffee Break** (Ground Level AND First Level)



## PARALLEL SESSION 15

International Meeting on Emerging Diseases and Surveillance 2009

Room: Klimt Ballroom 2 & 3 / First Level

Sunday, February 15, 2009

14:30–16:00

### FEELING THE HEAT: CLIMATE CHANGE AND EMERGING DISEASES

**Co-Chairs:** Jack Woodall, Brazil  
Karim Ben Jebara, France

15.001 Climate Change and Infectious Disease: Checking the Horse Before Hitching the Cart  
**P. Reiter**  
Paris (France)

15.002 Climate and Emerging Diseases: What Kind of Information Will Help Save the Most Lives?  
**D. Campbell-Lendrum**  
Geneva (Switzerland)

15.003 Vector-Borne and Zoonotic Diseases: Climate, Landscape and Transmission  
**U. Kitron**  
Atlanta, GA (USA)

16:00–16:30 **Coffee Break** (Ground Level AND First Level)



## PARALLEL SESSION 16

International Meeting on Emerging Diseases and Surveillance 2009

Room: Park Congress / Ground Level

Sunday, February 15, 2009

16:30–18:00

### ROUNDTABLE: AVIAN/PANDEMIC INFLUENZA

**Co-Chairs:** Antoine Flahault, France  
Philip Polgreen, USA

16.001 Detecting Influenza Activity Using Search Engine Query Data  
**J. Ginsberg**  
Mountain View, CA (USA)

16.002 Intervention Strategies for Highly Pathogenic Avian Influenza Outbreaks  
**J. Lubroth, J. Domenech**  
Rome (Italy)

16.003 Communicating Infectious Diseases Information  
**D. Butler**  
Paris (France)

*Sponsored by Ecole des Hautes Etudes en Santé Publique, Rennes and Paris*



## ZOONOSES AND ANIMAL HEALTH

**Co-Chairs:** Peter Cowen, USA  
Eric Summers, USA

- 17.001 Zoonoses and Exotic Animal Importation  
**S.L. Babcock**  
Washington, DC (USA)
- 17.002 “Moving” Continuous Source in an Outbreak of Q Fever  
C.H. Winter, **S.O. Brockmann**, C. Meier, H. Merz, P. Reith, G. Pfaff,  
C. Wagner-Wiening, I. Piechotowski  
Berlin, Freudenstadt, Stuttgart (Germany)
- 17.003 The Emergence of Simian Foamy Virus in Human Population  
of Gabon, Central Africa  
A. Mouinga-Ondeme, **M. Kazanji**  
Franceville (Gabon)
- 17.004 Epidemic Cowpoxvirus Infections in Germany  
A. Kurth, A. Kuczka, C. Becker, G. Pauli, **A. Nitsche**  
Berlin, Krefeld (Germany)
- 17.005 Public Health Aspects of the Redlands Hendra Virus Outbreak July 2008  
B. McCall, **V. Slinko**, G. Smith, H. Field, G. Playford, I. Smith, K. Heel, N. Kung  
Brisbane (Australia)
- 17.006 Molecular Origin and Demographics of Genotype-IV Hepatitis E Virus in  
Eastern China Implied Zoonosis and Exotic Importation  
**Y.H. Lu**, Y.J. Zheng, Q.W. Jiang, F.D. Wang  
Shanghai, Zhejiang (China)
- 17.007 A Risk Assessment of Bluetongue Disease in Austria  
**K. Silbermayr**, K. Hackländer, K. Fuchs  
Vienna (Austria)
- 17.008 Global Warming and Epidemic Hantavirus Trends in Belgium:  
of Mast, Mice and Men  
**J. Clement**, J. Vercauteren, W.W. Verstraeten, G. Ducoffre,  
A.M. Vandamme, P. Maes, M. Van Ranst  
Brussels, Leuven (Belgium)



Room: Klimt Ballroom I / First Level

Sunday, February 15, 2009

11:45–12:45

## Poster Presentations II / Overview:

### Klimt Ballroom I (First Level):

Abstract Number	Topic
18.001 – 18.049	Emerging Vector-borne Diseases in Humans and Animals
18.050 – 18.082	Models of Disease Surveillance, Detection, and Reporting

### Room Bruckner/Mahler/Brahms (First Level):

Abstract Number	Topic
18.083 – 18.092	Surveillance Using Informal Sources
18.093 – 18.098	Syndromic Surveillance
18.099 – 18.138	Regional Disease Surveillance
18.139 – 18.166	Laboratory Surveillance
18.167 – 18.176	New Pathogen Discovery
18.177 – 18.180	Agents of Bioterrorism
18.181 – 18.183	Climate Change

## Emerging Vector-Borne Diseases in Humans and Animals/ Klimt Ballroom I (First Level)

- 18.001 Annual Trends of Dengue for a Decade in Taiwan  
**M.M. Kuan**, T.M. Huang  
Taipei (Taiwan)
- 18.002 Decision Tree Algorithm in Deciding Hospitalization for Adult Patients with Dengue Haemorrhagic Fever in Singapore  
**V.J. Lee**, D.C. Lye, Y. Sun, Y.S. Leo  
Singapore (Singapore)
- 18.003 The Influence of Açai Pulp on T. Cruzi Performance  
**J.C. Da Silva**, A.M.A. Guaralto, V.L. Dias, A.P. Gimenes, R. Gilioli, M.A.F. Corati, D.P. Alves, L.A.C. Passos  
Brasília, Campinas (Brazil)
- 18.004 Açai Pulp Doesn't Intervene with the T. Cruzi Tripomastigotes Virulence  
L.A.C. Passos, V.L. Dias, A.R. Salgado, J.C. Da Silva, K.P. Signori, F.L. Schmidt, A.M.A. Guaralto  
Campinas (Brazil)
- 18.005 Sudden Death Due to Disseminated Malaria  
**P. Rastogi**, K.R. Nagesh  
Mangalore (India)
- 18.006 Human Seroprevalence of Toscana Virus Infection in Catalonia (Spain)  
**N. Cardeñosa**, D. Kaptoul, C. Aranda, J. Niubó, P. Plans, P. Fernández-Viladrich, J.M. Jansà, A. Domínguez, A. Tenorio  
Barcelona, Madrid (Spain)
- 18.007 Occurrence of Tick Bites and Serological Evidence of Exposure to Rickettsioses Among Sri Lankan Military Personnel  
**T.G.A.N. Chandrasena**, R. Premaratna, B.M.T.P. Nawasiwatte, K. Kulasiri, S. Rajeev, N.K.B. Bandara, R.P.V.J. Rajapakse, S.A.M. Kularatne, H.J. de Silva  
Peradeniya, Ragama (Sri Lanka)



Room: Klimt Ballroom I / First Level

Sunday, February 15, 2009

11:45–12:45

- 18.008 Chikungunya and Dengue Fevers: Differentiating Clinical and Laboratory Factors  
**A.L. Chow**, D.C. Lye, M.I. Chen, Y.S. Leo  
Singapore (Singapore)
- 18.009 Factors Associated with Increased Serum Alanine Aminotransferase Level During French Guiana Epidemics of Dengue 2005–2006  
**C. Dumortier**, J. Bernuau, F. Djossou, C. Basurko, A. Flahault, T. blanchon, C. Leport  
Cayenne, French Guyana, Paris, Rennes and Paris (France)
- 18.010 Epidemiological and Phylogenetical Studies on Crimean-Congo Haemorrhagic Fever (CCHF) in Iran  
**S. Chinikar**, R. Mirahmadi, A. Ghalyanchi langeroudi, S.M. Ghiasi, T. Jalali, M. Moradi, N. Afzali, M. Rahpeyma, M. Markarin, M. Nilsson, A. Mirazimi  
Tehran (Iran) , Solna (Sweden)
- 18.011 The 2008 Outbreak of West Nile Virus Infection in Northern Italy  
V. Sambri, F. Cavrini, G. Rossini, A.M. Pierro, P. Gaibani, E. D'Angelo, M. Morara, N. Spataro, P.L. Macini, M.P. Landini  
Bologna (Italy)
- 18.012 Epidemiological Study of Canine trypanosomosis in an Urban Focus of Ivory Coast  
N. Keck, S. Herder, K. Dramane, P. Solano, J. Gomez, G. Cuny, **B. Davoust**  
Bobo Dioulasso (Burkina Faso), Montpellier, Toulon (France), Abidjan (Ivory Coast)
- 18.013 *Trypanosoma congolense* Infection in One Dog with Surprising Histopathologic Features  
D. Watrelot-Virieux, S. Herder, **B. Davoust**  
Lyon, Montpellier, Toulon (France)
- 18.014 Survey of the Seroprevalence of Anaplasmosis, Lyme Disease and West Nile in Horses (France and Sub-Saharan Africa)  
B. Davoust, L. Maurizi, O. Cabre, H. Tolou, **J.L. Marié**  
Marseille, Nouméa, Paris, Toulon (France)
- 18.015 *Rickettsia slovaca* in *Dermacentor marginatus* Ticks Removed from Wild Boars (*Sus scrofa*) in Emilia Romagna Region, Italy  
**D. Pistone**, G. Maioli, M. Pajoro, M. Fabbri, N. Vicari, S. Epis, C. Bandi, F. Defilippo, M. Dottori  
Brescia, Milano, Pavia (Italy)
- 18.016 Occurrence and Characterization of the Tick-Borne Encephalitis Virus in the Wood Tick *Ixodes ricinus* in North-Eastern Italy  
**G. Capelli**, F. Montarsi, P. Danesi, E. Mazzolini, P. De Benedictis, G. Cattoli, S. Marangon  
Legnaro, Udine (Italy)
- 18.017 Genetic Variability of Dobrava Hantaviruses Carried by Apodemus Mice in Hungary and Croatia  
V. Németh, M. Madai, B. Bérczi, A. Marácz, G. Horváth, E. Ferenczi, **F. Jakab**  
Budapest, Pécs (Hungary)
- 18.018 Human *Dirofilaria repens* Infection: Increased Laboratory and Clinical Problem in Serbia  
**A.M. Dzamic**, I.V. Colovic, V.S. Arsic Arsenijevic, D.M. Rasic  
Belgrade (Serbia)



## POSTER PRESENTATIONS • SESSION 18

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- 18.019 Travellers Returning from Epidemic Regions as Sensitive Sentinels for Detection of Dengue Outbreaks  
**G. Dobler**, S. Essbauer, T. Löscher  
Munich (Germany)
- 18.020 Detection of *Flavivirus* and *Phlebotomus* in *Culicidae* Mosquitoes and *Phlebotomus* in Catalonia (North-Eastern Spain) in 2008  
**N. Busquets**, C. Aranda, A. Allepuz, E. Serrano, A. Vázquez, M.P. Sánchez-Seco, A. Alba  
Barcelona, Madrid (Spain)
- 18.021 Dengue Infections Diagnosed at Bulovka University Hospital in Prague During 2004–2008  
F. Stejskal, **M. Trojanek**, N. Sojkova, Z. Mandakova, H. Rohacova, V. Maresova  
Prague (Czech Republic)
- 18.022 Epidemic West Nile Virus Encephalitis in Tunisia in 2003  
**M. Ben Moussa**, S. Riabi, R. Battikh, M. Mastouri, M. Ouni  
Montfleury (Tunisia)
- 18.023 Molecular Characterization of West Nile Virus Isolates from Golden Eagles, Spain, 2007  
E. Sotelo, J. Fernandez-Pinero, M. Agüero, U. Höfle, **M.A. Jimenez-Clavero**  
Ciudad Real, Valdeolmos (Spain)
- 18.024 West Nile Virus Surveillance in Sicily (Italy)  
**A. Guercio**, G. Purpari, P. Di Marco, M. Sole, P. Schembri, A. Torina, S. Caracappa  
Palermo (Italy)
- 18.025 Description of the Epidemic of West Nile Disease in Animals in North-Eastern Italy During Summer and Autumn 2008  
P. Calistri, A. Giovannini, F. Monaco, G. Savini, F. Sauro, R. Bruno, **M. Cipriani**, R. Lelli  
Teramo (Italy)
- 18.026 Chikungunya Virus (CHIKV) Infection: Analytical Performance of A Real-time PCR Assay Suitable for Blood Screening  
**G. Rossini**, S. Morini, F. Cavrini, A.M. Pierro, P. Gaibani, N. Spataro, E. D'Angelo, M. Morara, M.P. Landini, V. Sambri  
Bologna (Italy)
- 18.027 Assessing the UK Public Health Risks from Vector- and Rodent-Borne Zoonoses  
**E. Bennett**, J. Medlock, M. Pietzsch, L. Jameson, S. Findlay-Wilson, S. Leach  
Salisbury (United Kingdom)
- 18.028 Rising Seroprevalence of Antibodies against Vector- and Rodent-Borne Infections in Forestry Workers in Germany  
C.H. Winter, **S.O. Brockmann**, W.D. Splettstoesser, G. Pfaff, I. Piechotowski, R. Oehme, C. Wagner-Wiening  
Berlin, Munich, Stuttgart (Germany)
- 18.029 Surveillance of Dengue Hemorrhagic During First Epidemic in Punjab Pakistan  
**M.K. Shahzad**, M.A. Khan, I. Tayyaba, M. Younus, I. Sadia, N. Ijaz  
Lahore (Pakistan)



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- 18.030 Entomological Survey of *Aedes albopictus* (Diptera: Culicidae) in Agrigento Province, Sicily  
S. Cuffaro, **A. Torina**, G. Bosco, M. Sole, R. Longo, S. Caracappa  
Agrigento, Palermo (Italy)
- 18.031 Detection of West Nile Virus in Mosquitoes *Culex pipiens* in Spain  
**A. Vazquez**, M.P. Sánchez-Seco, S. Ruiz, L. Hernández, M.A. Bustillo,  
F. Molero, J. Moreno, A. Tenorio  
Huelva, Madrid (Spain)
- 18.032 Outbreak of Febrile Illness in Colombia (2008) by VEEV  
**M.P. Sánchez-Seco**, J. Casanova, F. de Ory, J.C. Gallego-Gómez, A. Tenorio  
Choco, Medellín (Colombia), Madrid (Spain)
- 18.033 A Fatal Mediterranean Spotted Fever Case in Greece  
**A. Papa**, V. Dalla, A. Petala, H. Maltezou, E. Maltezou  
Alexandroupolis, Alexandroupolis, Athens, Thessaloniki (Greece)
- 18.034 Upregulation of a Novel eIF5A in C6/36 Cells is Associated with Cell Survival During Dengue 2 Viral Infection  
Y.T. Shih, **W.J. Chen**  
Kwei-San, Tao-Yuan, Kwei-San, Tao-yuan (Taiwan)
- 18.035 Introduction, Establishment and Present Status of *Aedes Albopictus* in Albania  
**E.V. Bino**  
Tirana (Albania)
- 18.036 Introduction, Establishment and Present Status of *Aedes albopictus* in Albania  
E. Velo, E. Rogozi, **S. Bino**  
Tirana (Albania)
- 18.037 Surveillance for Dengue Fever in Eastern Kolkata, West Bengal, India: Preliminary Results  
S. Kanungo, **A. Amarasinghe**, D. Sur, B. Manna, S. Chatterjee, P. Sadhukhan,  
S. Dutta, M. Beatty, S. Chakrabarty  
Kolkata (India), Seoul (Republic of Korea)
- 18.038 Dengue in Thailand and Cambodia: An Assessment of the Degree of Underestimated Disease Burden Based on Reported Cases  
**O. Wichmann**, I.K. Yoon, S. Vong, K. Limkittikul, R.V. Gibbons, P. Buchy, R. Buathong,  
R. Huy, A. Sabchareon  
Phnom Penh (Cambodia), Seoul (Republic of Korea), Bangkok, Nonthaburi (Thailand)
- 18.039 Monitoring of *Aedes albopictus* by Ovitrap in Marche Region (Italy): 2008 Seasonal Data Report  
**S. Gavaudan**, F. Barchiesi, E. Micci, E. Antognini, L. Velletri, S. Barocci, C. Bartolini,  
D. Sola, P. Mancini, M. Storaci, A. Duranti, E. Calandri, S. Briscolini, D. Donati  
Perugia (Italy)
- 18.040 Interaction of Tick-Borne Encephalitis Virus Strains with Plasmacytoid Dendritic Cells and T-cells  
B. Doerbecker, M. Spiegel, G. Dobler, M. Pfeffer, **F.T. Hufert**  
Goettingen, Munich (Germany)



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- 18.041 Evaluation of Relationship Between the Hyaluronic Acid, Svcam-1, Sicam-1 and Vegf-A Serum Levels and Severity of Illness in CCHF  
**D.B. Ozturk**, F. Kuscu, E.E. Tutuncu, I. Sencan, Y. Gurbuz, H. Tuzun  
Ankara, Gaziantep (Turkey)
- 18.042 The 2008 West Nile Disease Outbreak in Italy: Entomological Investigation and Virus Detection in Mosquitoes  
**M. Cipriani**, L. Toma, E. Ciarrocca, L. Di Galleonardo, M. Tassinari, A. Baruffaldi, M. Goffredo, G. Savini, R. Lelli  
Ferrara, Roma, Teramo (Italy)
- 18.043 A Critical Reappraisal of the A226V Mutation In Chikungunya Outbreaks: Possible Role In Increased Pathogenesis?  
**L. Bordi**, C. Castilletti, E. Lalle, S. Meschi, M. Selleri, F. Carletti, R. Chiappini, A. Di Caro, M.R. Capobianchi  
Rome (Italy)
- 18.044 Trends in Rift Valley Fever Outbreaks in Kenya  
**S.K. Kamau**, P.M. Ithondeka  
Nairobi (Kenya)
- 18.045 *In Vitro* Effects of Antimicrobial Drugs on Motility of *Brugia malayi* Microfilariae and *Wolbachia* Susceptibility Determined by Quantitative Polymerase Chain Reaction  
**S. Nuchprayoon**, S. Sungpradit, T. Chatsuwana  
Bangkok (Thailand)
- 18.046 Development of a Double Recognizing Direct Immunoassay for Detection of BTV's VP7 Specific Antibodies in Sera from Different Animal Species  
A. Ranz, A.J. Sanz, C. Vela, **A. Minani**, V. Chaignat, A. Venteo  
Vienna (Austria), Madrid (Spain), Mittelhäusern (Switzerland)
- 18.047 Crimean—Congo Hemorrhagic Fever in Greece  
**H. Maltezou**, S. Tsiodras, T. Papadimitriou, I. Pierroutsakos, A. Papa, A. Antoniadis  
Athens, Thessaloniki (Greece)
- 18.048 Characterization of Leishmania Isolates from Patients with Cutaneous Leishmaniasis (CL) in New Foci, North Baraan, Isfahan 86-87 by PCR Technique  
H. Azizi, S. Hejazi, A. Ahadi, **N. Taghisadeh**, M. Taghisadeh  
Esfahan, Sharekord (Iran)
- 18.049 New Phleboviruses from Different Antigenic Complexes Circulate in Sandflies in Algeria  
**R.N. Charrel**, G. Moureau, M. Champs, N. Salez, X. de Lamballerie, A. Izri  
Bobigny, Marseille (France)



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## Models of Disease Surveillance, Detection and Reporting/ Klimt Ballroom I (First Level)

- 18.050 Pakistan Public Health Information Network  
**S. Mohammad Mursalin**, D. Mansoor Khan, E. Amin Salim  
Islamabad (Pakistan), Boston (USA)
- 18.051 Comparison of TB QuantiFERON—GOLD (QFT-G) and Tuberculin Skin Test (TST) Screening Data in a Worker Population Surveillance Program  
**G. Douglas, E.G. Lawhorn**  
Houston, TX (USA)
- 18.052 Impact of Nationwide Web-Based Surveillance Reporting and Management System on TB/HIV Co-Infection cases for 5 years in Taiwan  
**S.H. Tseng**, D.S. Jiang, H.S. Hoi, C.C. Huang, C.Y. Lee, K.P. Hwang  
Kaohsiung County, Taipei (Taiwan)
- 18.053 Tuberculosis in HIV Positive Persons in Singapore  
**S.H. Tey**, L.W. Ang, C.B. Chee, Y.T. Wang, Y.S. Leo, J. Cutter, L. James, K.T. Goh  
Singapore (Singapore)
- 18.054 Cryptosporidiosis: A Fatal Parasitosis with High Prevalence in Leopard Geckos (*Eublepharis macularius*)  
**B. Richter**, H. Weissenböck  
Vienna (Austria)
- 18.055 Disease Monitoring in Wild Bird Populations  
**S.C. Cork**, G.L. Lovei  
Alberta (Canada), Slagelse (Denmark)
- 18.056 Modelling Detection Strategies for an Influenza Pandemic: A Retrospective Application of Today's Surveillance Capabilities to Yesterday's Epidemic  
**M.I. Chen**, V.J. Lee, A.L. Chow  
Singapore (Singapore)
- 18.057 Global Travel Health Services by ExxonMobil Medicine and Occupational Health Clinics in the United States  
G. Douglas, **C. Hall**  
Houston, TX (USA)
- 18.058 Isolation and Genotypic Characterization of *Listeria monocytogenes* from Poultry Meat  
**N.V. Kurkure**, A.G. Bhandarkar, D.R. Kalorey, R.L. Dhoble  
Nagpur (India)
- 18.059 A Prototype AI BioPortal: Application to Data from the Danish 2006 HPAI H5N1 Wild Bird Epidemic  
**P. Willeberg**, A.M. Perez, M. Thurmond, M. Ascher, M. Alkhamis  
Davis, CA (USA)
- 18.060 A BioPortal System For Global Animal Disease Surveillance  
**A. Perez**, P. Willeberg, M. Ascher, Z. Whedbee, M. Thurmond  
Davis, CA (USA)



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- 18.061 Simultaneous Detection of Rift Valley Fever, Bluetongue, Rinderpest and Peste Des Petits Ruminants Viruses by Multiplex PCR Using DPO System  
**J.Y.Yeh**, H.J. Kim, H.J. Seo, J.A. Yoon, Y.S. Joo, C.H. Kweon, J.S. Moon  
Anyang (Republic of Korea)
- 18.062 Can Surveillance of Mortality in Wildlife Help to Detect Emerging Diseases?  
**E. Petit**, M. Artois, O. Mastain, D. Calavas  
Le Perray en Yvelines, Lyon (France)
- 18.063 Automatic Early Warning System of Infectious Diseases in China  
**Z. Li**, S. Lai, Y. Lan, L. Jin, Q. Sun, W. Lv, W. Yang  
Beijing, Chengdu, Nanning, Shanghai (China)
- 18.064 Time-Space Cluster Detection Model of Infectious Diseases Outbreak in China  
**S. Lai**, Y. Lan, **Z. Li**, Q. Sun, L. Jin, W. Lv, W. Yang  
Beijing, Chengdu, Nanning, Shanghai (China)
- 18.065 Paediatric Dengue Surveillance in Colombo, Sri Lanka  
**H.A. Tissera**, N.A. Abeysinghe, A. de Silva, P. Palihawadana, C. Tam, A. Amarasinghe,  
B. Letson, H. Margolis  
Seoul (Republic of Korea), Colombo, Colombo (Sri Lanka),  
London (United Kingdom), Chapel Hill, NC (USA)
- 18.066 Early Detection of Tuberculosis in Chacma Baboons (*Papio ursinus*) using the QuantiFERON-TB Gold In-Tube Assay  
**S.D.C. Parsons**, T.A. Gous, C. de Villiers, R.W. Warren, J.V. Seier, P.D. van Helden  
Cape Town (South Africa)
- 18.067 Influenza-Associated Excess Mortality in Slovenia, 2000–2006  
V. Ucakar, **M. Socan**, K. Prosenec Trilar  
Ljubljana (Slovenia)
- 18.068 Determination the Invasiveness Properties of Iranian *Shigella flexneri* Wild Type and the Mutants in Hela Cell Culture by Electron Microscopy  
**M. Hakemi Vala**, J. Nowroozi, P. Nabavai Tabatabaie, P. Kavakeb  
Tehran (Iran)
- 18.069 Three-Year Surveillance of Community-Acquired and Health Care-Associated MRSA Infections in Uppsala County, Sweden  
**S.P.E. Sylvan**, B. Ardung, E. Tano  
Uppsala (Sweden)
- 18.070 A Tool for the Assessment of European Capabilities to Deal with Highly Infectious Diseases: the Checklists by the European Network for Highly Infectious Diseases Project  
**F.M. Fusco**, S. Lanini, V. Puro, G. Ippolito, EuroNHID project Group  
Rome, Several cities (Italy)
- 18.071 Forensic Luminol: a Tool for Detecting Traces of Blood after Isolation of a Patient with Highly Infectious Diseases  
**V. Puro**, F.M. Fusco, L. Saravo, G. Guzzini, L. Martini, D. Travaglini, G. Ippolito  
Rome (Italy)



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- 18.072 Influenza-Associated to Hospitalizations and Deaths in Spain  
**T. López-Cuadrado**, A. Larrauri, S. Jiménez-Jorge, S. de Mateo  
Madrid (Spain)
- 18.073 Environmental Surveillance of Viruses with Enteric Habitat in Parma  
**M. Riccò**, M.E. Colucci, F. Paganuzzi, P. Affanni, C. Cesari, L. Veronesi,  
G. Ferrari, M. Tanzi  
Parma (Italy)
- 18.074 Surveillance Systems for Infectious Diseases among Healthcare Workers:  
A Systematic Review for the REACT Project  
**W.H. Meeraus**, F. Ncube  
London (United Kingdom)
- 18.075 Knowledge Discovery in Databases and Emerging Infectious Disease Surveillance  
in the Caribbean: a New Paradigm  
B. Bucher, **M.Yp-Tcha**, S. Lutbert, E. Sainte-Rose, J.E. Symphor, R. Nock  
Fort-de-France (Martinique)
- 18.076 Highly Mobile Pathogens and Their Early Detection—Possibilities and Constraints  
of Avian Influenza Surveillance in Wild Birds  
**H. Wilking**, M. Ziller, T.C. Harder, F.J. Conraths, C. Staubach  
Insel Riems, Wusterhausen (Germany)
- 18.077 Identifying Surveillance Site Locations in Iowa, USA using a Maximal Population  
Coverage Model  
**G. Fairchild**, E. Chen, G. Rushton, A.M. Segre, P.M. Polgreen  
Iowa City, IA (USA)
- 18.078 A Computerized Decision Support System for Screening Prescription Errors  
in Treatment for Pulmonary Tuberculosis  
**Y.L. Liu**, Y.T. Tsai, C.H. Jiang, P.C. Chan, H.L. Yang, Y.C. Lei, H.C. Lin, J.H. Chuang,  
C.Y. Hsu, M.M. Kuan  
Tainan, Taipei (Taiwan)
- 18.079 Homeless Youth and Their Exposure to Hepatitis B and C in Tehran (Iran)  
**R. Radmanesh Ahsani**, F. Fallah, A. Karimi, H. Goudarzi, S. Rafiee Tabatabaïi,  
M. Navidinia, M. Malekan, M. Goudarzi, G. Eslami  
Tehran (Iran)
- 18.080 Development of a SARS Coronavirus Diagnosis Tool Using RNA Aptamers and  
Nanochip Fabrication  
**D.G. Ahn**, J.D. Kim, M.S. Song, S.R. Han, S.W. Lee, H. Jung, J.W. Oh  
Gyeonggi-do, Seoul (Republic of Korea)
- 18.081 PPM Contribution to TB Case Finding—Results from a Pilot PPM Pilot Project  
in Nigeria  
**S.I. Ezikeanyi**  
Abuja (Nigeria)
- 18.082 Hepatitis A in Belgium: Reemerging Disease in a Susceptible Population  
I. Gutierrez, P. Claes, J. Bots, S. Lokietek, A. Forier, I. Micalessi, **S. Quoilin**  
Brussels (Belgium)



## Surveillance Using Informal Sources / Bruckner/Mahler/Brahms (First Level)

- 18.083 Survey of TBEV Infected Areas by Sheep Flock Sentinels: Preliminary Results  
**E. Mazzolini**, G. Capelli, D. Todone, A. Passera, L. Clapiz, F. Castellani, C. Citterio, G. Farina, K. Trevisiol, M. Ruscio, M.G. Ciufolini, S. Marangon  
Legnaro (PD), Roma, San Daniele del Friuli (UD), Tolmezzo (UD) (Italy)
- 18.084 Efficacy of Pentavalent Rotavirus Vaccine, RotaTeq® Against Hospitalizations and Emergency Department Visits Up to Three Years: The Finnish Extension Study  
**T. Vesikari**, A. Karvonen, S. Allen, J. Lawrence, M. Ciarlet  
Tampere (Finland), North Wales, PA (USA)
- 18.085 National Melioidosis Surveillance Under Limitation  
**A. Waqas**  
Nonthaburi (Thailand)
- 18.086 Mobilizing Volunteers to Control Avian Influenza in Traditional Markets  
**J. Martin**, G. Mullins  
Bethesda, MD (USA)
- 18.087 Investigation of epidemiological trends using individual lots of Intravenous Immunoglobulin (IVIG)  
C.B. Planitzer, J. Modrof, **T.R. Kreil**  
Vienna (Austria)
- 18.088 International Epidemic intelligence (EI) at the Institut de Veille Sanitaire (InVS)  
M.A. Degail, P. Barboza, M. Gastellu-Etchegorry, A. Tarantola, F. Ait-el-Belghiti,  
**S. Cohuet**, D. Dejour-Salamanca, G. La Ruche, A. Rachas, L. Vaillant  
Saint Maurice (France)
- 18.089 Wildlife Rehabilitation Centers and Disease Surveillance  
**U. Hoefle**, J.M. Blanco  
Ciudad Real, Sevilleja de la Jara (Spain)
- 18.090 Rapid Assessment of Health Emergency Communication after Hand, Foot, and Mouth Disease Outbreak in China  
**L. Rong**  
Beijing (China)
- 18.091 Use of a Prediction Market to Forecast H5N1 Influenza  
**P.M. Polgreen**, F.D. Nelson, G.R. Neumann, A.M. Segre, J. Fries, L.C. Madoff  
Iowa City, IA, Boston, MA (USA)
- 18.092 Contribution of the Nigeria National HIV/Aids and STIs Behavioral Surveillance Survey (BSS) to the Reduction of HIV/Aids Prevalence in Nigeria—Results from Review of the Research  
**S.I. Ezikeanyi**  
Abuja (Nigeria)



## Syndromic Surveillance / Bruckner/Mahler/Brahms (First Level)

- 18.093 Modelling Strategies for Detecting Pandemic Influenza Based on Syndromic Surveillance of Confined Populations: Insights from a Stochastic Metapopulation Model  
**M.I. Chen**, V.J. Lee, A.L. Chow  
Singapore (Singapore)
- 18.094 Alberta Veterinary Surveillance Network (AVSN: Comprehensive Real-Time Surveillance for Emerging Diseases of Livestock)  
**J. Berezowski**, S. Checkley, J. Patel, R. Clarke, D. Peters, J. Keenlside, B. Miller, J. Bystrom, C. Annett, I. Jamal, I. Qu, T. Hermtier  
Edmonton, AB., Edmonton, AB, Edmotnon, AB (Canada)
- 18.095 Syndromic Surveillance, a New Concept of Surveillance  
**D. Ilef**, L. Josseran  
Saint Maurice (France)
- 18.096 Sensitivity and Specificity of Illness Symptoms versus Rapid Tests for Detecting Influenza in a University Setting  
**B.M. Davis**, A.S. Monto, M. Uddin, G. Murray, R. Coulborn, R. Salhi, D. Shay, S. Waterman, T. Uyeki, A.E. Aiello  
Atlanta, GA, Ann Arbor, MI (USA)
- 18.097 The HealthySocial Project: Monitoring Public Health and Promoting Positive Health Behaviors through Social Networks  
**B.Y. Reis**  
Boston, MA (USA)
- 18.098 Outbreak of *Mycobacterium abscessus* type I infections following esthetic surgery at a private clinics in Vila Velha city (Brazil)  
**D.J. Hadad**, M.F. Andrade, J.A. Carvalho, L.P.D. Molino, G. Fregona, V.V. Dettoni, C.M.L. Pinheiro, S.A. Vinhas, M. Palaci, R.L. Fioravanti, G.L. Almada, A.L.L. Rodrigues, R. Dietze  
Vitoria (Brazil)

## Regional Disease Surveillance / Bruckner/Mahler/Brahms (First Level)

- 18.099 Prevalence of Human Herpes Virus Type 1 (HHV-1) Infection Among the Chronic Fatigue Syndrome Patients (CFS) in Northeast of Iran  
**M. Derakhshan**, H. Nemati kerimooy  
Mashhad (Iran)
- 18.100 Onychomycosis in the Northern Iran  
**A. Nasrollahi Omran**, A.N. Ghiasi Mansori  
Tonekabon (Iran)
- 18.101 Tinea Pedis and Onychomycosis in Type 2 Diabetes Mellitus Patients  
**A. Nasrollahi Omran**, M. Hashemi, I. Golampour Azizi  
Tonekabon (Iran)
- 18.102 The Prevalence of *M. tuberculosis* Infection and Disease in HIV Positive Individuals in Shiraz, Southern Iran  
**M.A. Davarpanah**, G. Rafiee, D. Mehrabani, R. Neirami, F. Khademolhosseini  
Shiraz (Iran)



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- 18.103      Epidemiology of listeriosis in Austria  
**S. Kasper**, S. Huhulescu, F. Allerberger  
Vienna (Austria)
- 18.104      Spatial Variation in Drug Therapy and Treatment Outcome for Tuberculosis in Scotland  
**L. Wilson**, E. Shakir, M. Cotton, J. McMenamin  
Glasgow (United Kingdom)
- 18.105      Seroprevalence of Leptospirosis in São Paulo, Brazil  
**E.C. Romero**, R.M. Blanco  
São Paulo (Brazil)
- 18.106      Tuberculosis in Austria: An Analysis of the Past 10 Years, 1997–2006  
**H.W. KUO**, F. Allerberger, A. Indra, S. Pfeiffer, S. Daniela  
Vienna (Austria)
- 18.107      Invasive Pneumococcal Disease in Gran Canary Island 2004–2007  
**A.J. García Rojas**, P. García Castellano, A. Bordes Benitez, F. Troncoso Mendoza, A. Fenoll Comes, P. Matute Cruz, D. Nuñez Gallo  
Las Palmas de Gran Canaria, Madrid, Santa Cruz de Tenerife (Spain)
- 18.108      Emergence of Rift Valley Fever in Mayotte, a French Indian Ocean Territory  
D. Sissoko, C. Giry, P. Gabrié, **A. Tarantola**, F. Pettinelli, L. Collet, E. d'Ortenzio, P. Renault, V. Pierre  
Mamoudzou, Mayotte, Saint-Denis de la Réunion, Saint-Maurice (France)
- 18.109      Zoonoses in Bosnia and Herzegovina: A Common Approach  
**S. Cavaljuga**, D. Celik, S. Seric-Haracic  
Sarajevo (Bosnia and Herzegovina)
- 18.110      Development of a Multi-Locus Sequence Typing Scheme for *Laribacter hongkongensis*, a Novel Bacterium-Associated with Freshwater Fish-Borne Gastroenteritis  
**A.K.L. Tsang**, P.C.Y. Woo, J.L.L. Teng, H. Tse, V.Y.M. Tsang, S.K.P. Lau, K.Y. Yuen  
Hong Kong (China)
- 18.111      Age Distribution of Paediatric Rotavirus Gastroenteritis in Europe: The REVEAL\* Study  
**C. Giaquinto**, P. Van Damme  
Antwerp (Belgium), Padua (Italy)
- 18.112      *Helicobacter pylori* VacA Intermediate Region and Its Clinical Relevance in Iranian Dyspeptic Patients  
**M. Douraghi**, F. Ebrahimzadeh, Y. Talebkhan, M. Bababeik, A. Oghalaie, A. Nahvijoo, M.A. Mohaghghi, M. Eshagh Hosseini, M. Mohammadi  
Tehran (Iran)
- 18.113      Detection of an Unknown Flavivirus in *Aedes caspius* Mosquitoes in Valli di Comacchio (Italy)  
**M. Calzolari**, P. Bonilauri, R. Bellini, R. Veronesi, I. Barbieri, G. Maioli, F. DeFilippo, M. Dottori  
Brescia, Crevalcore (BO) (Italy)



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- 18.114 EpiSouth: From a European Project to a Mediterranean Network for the Control of Communicable Diseases  
M.G. Dente, M. Fabiani, R. Gnesotto, G. Putoto, F. Simon Soria, P. Barboza, M. Kojouharova, R. Vorou, C. Montagna, C. Martin De Pando, F. Ait-Belghiti, N. Vladimirova, K. Mellou, **S. Declich**, on behalf of the Project's Network Sofia (Bulgaria), Saint Maurice Cedex (France), Athens (Greece), Balkans, Middle East, Padua, Rome (Italy), Madrid (Spain)
- 18.115 Genotypic and Phenotypic Profile of the Outer Membrane Proteins BabA and BabB in Clinical Isolates of Iranian *Helicobacter pylori*  
**S. Saberi Kashani**, M. Douraghi, Y. Talebkhan, M. Bababeik, A. Oghalaie, A. Nahvijoo, M.A. Mohaghghi, M. Eshagh Hosseini, M. Mohammadi  
Tehran (Iran)
- 18.116 Measles—Related Hospitalisations and Complications in Children and Adolescents in Germany in 2007 with Focus on Sppe Over the Past Five Years  
**M.S. Ludwig**, R. Fischer, R. Schulz, S. Arenz, M. Wildner, ESPED Study Group  
Düsseldorf, Oberschleissheim (Germany), Berne (Switzerland)
- 18.117 Expression of Different Variants of *Helicobacter pylori* *cagA* Gene for Screening High-Risk Iranian Individuals  
**Z. Karimi**, N. Afkhami Ardakani, S. Saberi Kashani, Y. Talebkhan, M. Douraghi, A. Oghalaie, M. Mohammadi  
Tehran (Iran)
- 18.118 Canine Cases of Aujeszky's Disease in Austria Point to a Wildlife Reservoir  
A. Gruber, D. Thaller, S. Revilla-Fernández, E. Wodak, Z. Bagó, H. Schildorfer, A. Bilek, A. Pákozdy, A. Deutz, A. Url, M. Leschnik, **H. Weissenböck**  
Mödling, Murau, Vienna (Austria)
- 18.119 Post-Licensure Effectiveness of an Oral Pentavalent Rotavirus Vaccine (RotaTeq™) for the Prevention of Gastroenteritis in the US  
**T.C. Mast**, F.T. Wang, R.J. Glass, J. Loughlin, J. Seeger  
Waltham, MA, North Wales, PA (USA)
- 18.120 Lethal Infections due to Herpes Simplex Virus of Human Origin in Domestic and Zoo Animals  
A. Gruber, F. Künzel, J. Meyer, N. Nowotny, A. Kübber-Heiss, **H. Weissenböck**  
Vienna, Villach (Austria)
- 18.121 Phylogeny of Italian 2008 Rabies Viruses  
**P. De Benedictis**, S. Marciano, C. Veggiano, F. Mutinelli, I. Capua  
Legnaro (Italy)
- 18.122 Microbiological Investigations of Bacterial Conjunctivitis  
**F. Fallah**, G. Eslami, H. Hendeci, H. Goudarzi  
Tehran (Iran)
- 18.123 Epidemiology of Imported Malaria in Ireland  
P. Garvey, **S.J. McConkey**, P.J. McKeown  
Dublin (Ireland)
- 18.124 The Identification of Microorganisms from Children with UTI  
**G. Eslami**, A. Osanlo, S. Taheri  
Tehran (Iran)



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- 18.125 Incidence of hepatitis C virus (HCV) infection among Injecting Drug Users (IDU) attending annual Needle Syringe Program (NSP) in Australia  
**M.E. Hoque**, H. Wand, J. Iversen, L. Maher  
Sydney (Australia)
- 18.126 Public Health Informatics Tools for Electronic Disease Surveillance in Resource-Limited Settings  
**S. Lewis**, J. Coberly, R. Wojcik, W. Loschen, L. Frank, R. Ashar, J.P. Chretien, D. Blazes  
Laurel, MD, Silver Spring, MD (USA)
- 18.127 Surveillance of Chikungunya and Dengue fever in Emilia Romagna Region, Italy, Summer 2008  
**F. Cavrini**, E. D'Angelo, P. Gaibani, M. Morara, A.M. Pierro, G. Rossini, N. Spataro, P.L. Macini, M.P. Landini, V. Sambri  
Bologna (Italy)
- 18.128 Cross Border Avian Influenza and Pandemic Preparedness in South East Europe  
**S. Bino**, C. Brown  
Tirana (Albania)
- 18.129 Seroepidemiology of Herpes Simplex Type 2 (HSV2) in HIV Patients in Kermanshah-Iran 2008  
**A. Janbakhsh**, A. Abedanpour, S. Vaziri, F. Mansouri, B. Sayad, M. Afsharian  
Kermanshah (Iran)
- 18.130 Surveillance Systems and Public Health Services in Georgia: Enhanced Infrastructure and Tools for Disease Detection and Diagnosis  
**K. Zakhshvili**, O. Tarkhan-Mouravi, P. Imnadze  
Tbilisi, Tbilisi (Georgia)
- 18.131 Malignancy and Immunosuppression as Risk Factors for Melioidosis in an Endemic Area  
**A. Gupta**, R.E. Norton  
Townsville, Queensland (Australia)
- 18.132 Surveillance of Canine leishmaniosis in North-Eastern Italy  
F. Montarsi, G. Simonato, R. Cassini, F. Marcer, A. Frangipane di Regalbono, R. Bonato, A. Sinigaglia, E. La Greca, A. Natale, C. Furnari, M. Brichese, **G. Capelli**  
Este, Padova, Legnaro, Monselice, Padova, Padova, Venezia, Verona, Vicenza (Italy)
- 18.133 Definition of New Avian Viruses Variants in West Africa During Active and Passive Surveillance  
C.J. Snoeck, M.F. Ducatez, A.A. Owoade, I. Maikano, M.C. Tahita, P.O. Mbah, A.M. Martin, P. Cordioli, **J.M. Hübschen**, C.P. Muller  
Bobo-Dioulasso (Burkina Faso), Bamenda (Cameroon), Brescia (Italy), Luxembourg (Luxembourg), Niamey (Niger), Ibadan (Nigeria)
- 18.134 Mapping of Zones Potentially Occupied by Mosquitoes (ZPOMs) *Aedes vexans* and *Culex poicripiles*, the Main Vectors of Rift Valley Fever in Senegal  
**Y.M. Tourre**, J.P. Lacaux  
Toulouse (France)
- 18.135 Incidence and Diagnosis of Typhoid Fever in Karachi, Pakistan  
**S.A. Qasmi**, A. Aqeel  
Karachi, Kkarachi (Pakistan)



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Sunday, February 15, 2009

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- 18.136 Prevalence of Bovine Viral Diarrhoea Virus Infection in Industrial Holstein Dairy Cattle in Suburb of Mashhad-Iran  
**M. Talebkhan Garoussi**, A. Haghparast, M.S. Rafati  
Mashhad (Iran)
- 18.137 An Epidemiological Study on Tuberculosis in Tehran West Health Center in 2008 and 2007  
**H. Ahmadnia**  
Tehran (Iran)
- 18.138 Prevalence of Intestinal Parasites in a Population in South of Tehran (Iran)  
**A. Rastegar Lari**, R. Alaghebandan  
St. John's (Canada), Tehran (Iran)

### Laboratory Surveillance / Bruckner/Mahler/Brahms (First Level)

- 18.139 Prevalence of Hepatitis C Virus Genotypes Among Chronic Infected Patients in Southern Iran  
**M. Ziyaeyan**, A. Alborzi, M. Jamalidoust, M. Moeini, A. Kadivar  
Shiraz (Iran)
- 18.140 Diagnosis and Quantitative Analysis of HSV Genome in Corneal Ulcers  
**M. Ziyaeyan**, A. Alborzi, M. Jamalidoust, M. Moeini, B. Pourabbas  
Shiraz (Iran)
- 18.141 Experimental Trichinosis: Parasitological, Electrophysiological and Biochemical Studies  
**M. Gaafar**, M. Eissa, Y. Ashram, I. Diab, N. Baddour, Al-Azzouni  
Alexandria (Egypt)
- 18.142 The Utility of Direct Agglutination (DAT) and Fast Agglutination Screening (FAST) Tests in Serodiagnosis of Experimental Microsporidiosis  
I. Abou ElNaga, **M. Gaafar**, L. El Zawawy, D. ElSaid, S. Mossallam  
Alexandria (Egypt)
- 18.143 Experimental Trichinosis : Parasitological, Electrophysiological and Biochemical Studies  
**M. Gaafar**, M. Eissa, Y. Ashram, I. Diab, N. Baddour, M. El-Azzouni  
Alexandria (Egypt)
- 18.144 Role of the Molecular Diagnostics in the Control of Zoonotic Diseases in Sudan  
**I.E. Elrayah**  
Khartoum (Sudan)
- 18.145 WEBRIBO—an Internet Database for Characterization of *Clostridium difficile* Isolates by Capillary Gel Electrophoresis based PCR Ribotyping  
A. Indra, **F. Allerberger**  
Vienna (Austria)
- 18.146 Incidence of Tuberculosis and Occurrence of MDR-TB in Sharjah, UAE: A 4-year Retrospective Study  
**N. Dash**, M. Al-Zarouni, M. Ali, F. Al-Shehhi, D. Panigrahi  
Sharjah (United Arab Emirates)
- 18.147 Association between PPD and QuantiFERON Gold TB Test in TB Infection and Disease among HIV-Infected Individuals in Shiraz, Southern Iran  
M.A. Davarpanah, **M. Rasti**, D. Mehrabani, S.S. Allahyari,  
R. Neirami, M. Saberi-Firoozi  
Shiraz (Iran)



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- 18.148 Surveillance of Findings of Certain Bacteria of Nosocomial Interest in a Norwegian Hospital Trust Weeks 26–45/2008  
**V. Hasseltvedt**  
Lillehammer (Norway)
- 18.149 Surveillance of the Evolution of Epidemic Human Influenza Viruses During Six Consecutive Seasons (2002/2003 to 2007/2008) in Austria  
**M. Redlberger-Fritz**, T. Popow-Kraupp  
Vienna (Austria)
- 18.150 Chromogenic In-situ Hybridization for Specific Molecular Detection of Infectious Agents in Pathohistology  
**B. Richter**, H. Weissenböck  
Vienna (Austria)
- 18.151 Molecular Epidemiology of *Leptospira* spp by Pulsed-Field Gel Electrophoresis (PFGE)  
**E.C. Romero**, R.M. Blanco, R. Galloway  
São Paulo (Brazil), Atlanta, GA (USA)
- 18.152 Sero-Agglutination Tests Follow-up in 175 Successfully Treated Cases of Human Brucellosis  
M.R. Hasanjani Roushan, **M.J. Soleimani Amiri**, M. Javanian, S. Soleimani Amiri  
Babol (Iran)
- 18.154 Phylogenetic Grouping and Real Time PCR Method for Differentiating Capripoxviruses  
**C.E. Lamien**, M. Lelenta, R. Silber, A.G. Luckins, E. Albina, A. Diallo  
Vienna (Austria), Montpellier (France)
- 18.155 Community-Acquired Influenza in Adult Admissions to a 1200 Bed Hospital in Singapore  
**T. Barkham**  
Singapore (Singapore)
- 18.156 Predominant *cagA* subtypes in Iranian *Helicobacter pylori* infected patients  
**M. Douraghi**, Z. Karimi, F. Ebrahimzadeh, M. Esmaili, A. Oghalaie, A. Nahvijoo, M.A. Mohagheghi, M. Eshagh Hosseini, M. Mohammadi  
Tehran (Iran)
- 18.157 Detection of Galactomannan and Antibodies in Patients with Invasive Aspergillosis  
**E.S. Ratkov**, V.S. Arsic Arsenijevic, I.V. Colovic, A.M. Dzamic, A. Vidovic, D. Janjic  
Belgrade (Serbia)
- 18.158 ARC Microbial Diagnostic Microarrays for Environmental and Food Analysis  
L. Bodrossy, E. Hackl, T. Kostic, A. Sessitsch  
Seibersdorf (Austria)
- 18.159 Turkey's Influenza Surveillance Results in 2007–2008 Winter Season  
**N. Albayrak**, A. Carhan, A.B. Altas  
Ankara (Turkey)
- 18.160 The Circulation of Subgenogroups B5 of Enterovirus 71 in Northern Taiwan, 2008  
**P.S. Chiang**, S.T. Luo, M.L. Huang, M.S. Lee  
Miaoli (Taiwan)
- 18.161 Easy-to-use Rapid Test for the Direct Detection of *Campylobacter* spp. from Chicken Faeces  
**M. Wadi**, T. Pözlner, G. Flekna, L. Thompson, J. Slaghuis, J. Köfer, I. Hein, M. Wagner  
Graz, Vienna (Austria), Darmstadt (Germany), Southampton (United Kingdom)



- 18.162 Chikungunya: Monoclonal Antibodies Production and Their Employment in Serological Diagnosis  
**D. Lelli**, A. Moreno, A. Lavazza, E. Sozzi, A. Luppi, E. Canelli, M. Tamba, L. Capucci, P. Cordioli  
Brescia (Italy)
- 18.163 Molecular Epidemiology of Measles Virus in the Context of Global Measles Control  
J.R. Kremer, C.P. Muller, **J.M. Hübschen**  
Luxembourg (Luxembourg)
- 18.164 A Rapid Detection Tool for the Diagnosis of Chikungunya Virus Directly from *Aedes albopictus*  
**S. Barocci**, S. Gavaudan, E. Micci, C. Bartolini, E. Antognini, F. Barchiesi, L. Velletri, A. Duranti, D. Donati, D. Sola, P. Mancini, M. Storaci, E. Calandri, S. Briscolini  
Perugia (Italy)
- 18.165 Prevalence of Antiretroviral Drug Resistant HIV Among Blood Donors in Western and Eastern Parts of Democratic Republic of Congo  
**N. Mintsey mi Makuth**  
Kinshasa (Democratic Republic of the Congo)
- 18.166 Diagnosis of the Pre-Patent *Schistosoma mansoni* Infection by Polymerase Chain Reaction (PCR) in Sera of Experimentally Infected Mice  
D. El Faham, D. Hegazy, **L. El Zawawy**  
Alexandria (Egypt)

## New Pathogen Discovery / Bruckner/Mahler/Brahms (First Level)

- 18.167 Isolation and Identification of a Parvovirus from Monkey  
**S.T. Yang**, S.J. Wang, X.Z. Xia, H. Feng, Z.P. Xia, X.H. Zou, R.Z. Zhang, X.L. Wang  
Changchun (China)
- 18.168 Diversity of Novel Arboviruses at the Interface of Undisturbed Tropical Rainforest and Anthropogenic Landscapes  
**S. Junglen**, A. Kurth, A. Kopp, F. Zirkel, T. Briese, W.I. Lipkin, G. Pauli, H. Ellerbrok, F.H. Leendertz  
Berlin (Germany), New York, NY (USA)
- 18.169 Molecular Identification and Tissue Localization of Avian Bornaviruses in Paraffin-embedded Tissue Samples of Psttacines with Proventricular Dilatation Syndrome  
**H. Weissenböck**, T. Bakonyi, K. Sekulin, N. Nowotny  
Vienna (Austria), Budapest (Hungary)
- 18.170 Bifidobacterium Sepsis: An Unusual Pathogen in a Normal Host  
**S. Swaminathan**, V. Kolli, R. Bhalla, D. Alcid  
New Brunswick, NJ (USA)
- 18.171 Virological Investigations in Native Bat Species from Germany  
**A. Kurth**, M. Sonntag, K. Muehldorfer, S. Speck, G. Wibbelt  
Berlin (Germany)
- 18.172 Unusual Gram-Negative Sepsis in Immunocompromised  
**V. Kolli**, S. Swaminathan, D. Alcid  
New Brunswick, NJ (USA)
- 18.173 Experimental Challenge of Cattle with H-type and L-type Atypical BSE  
**A. Buschmann**, U. Ziegler, M. Keller, R. Rogers, B. Hills, M.H. Groschup  
Ottawa (Canada), Greifswald—Insel Riems (Germany)



Room: Bruckner/Mahler/Brahms / First Level

Sunday, February 15, 2009

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- 18.174 A New Archetype Poxvirus from An Immunosuppressed Patient in US  
**Y. Li**, J. Abraham, D. Blair, H. Zhao, S. Sammons, G. Emerson, G. Dhvani,  
D. Carroll, M. Laker, R. Kline, R. Regnery, N. Bartholoma, M. Barcza, I. Damon  
Atlanta, GA, Syracuse, NY (USA)
- 18.175 A Case of Community-Acquired Pneumonia Caused by  
*Streptococcus Pyogenes* Without Beta-Hemolysis  
**M. Horigome**, D. Uchida, K. Takimoto, H. Kagawa, H. Oka, K. Iwata, K. Kikuchi,  
S. Kinoshita  
Kobe, Tokyo (Japan)
- 18.176 Massilia Virus, A Novel Phlebovirus (Bunyaviridae) Isolated from  
Sandflies in the Mediterranean  
**R.N. Charrel**, G. Moureau, S. Temmam, A. Izri, P. Marty, P. Parola,  
A. Travassos da Rosa, R.B. Tesh, X. de Lamballerie  
Bobigny, Marseille, Nice (France), Galveston, TX (USA)

### Agents of Bioterrorism / Bruckner/Mahler/Brahms (First Level)

- 18.177 MLVA and SNR typing of *B. anthracis* isolates originating from  
the Republic of Bulgaria  
**M.H. Antwerpen**, D. Ilin, H. Meyer, E. Savov, D. Frangoulidis  
Sofia (Bulgaria), Munich (Germany)
- 18.178 Biosafety—Accurate Risk and Vulnerability Assessment of the  
Release of Bioagents from Laboratories  
**T.M. Kollars, Jr.**  
Statesboro, GA (USA)
- 18.179 Real-Time PCR Assay for the Detection of A New Simulant for  
Poxvirus Biothreat Agents  
**L. Garnier**, J.C. Gaudin, I. Rebillat, P. Bensadoun, Y. Morel  
Vert Le Petit (France)
- 18.180 Dual-Use Dangers: Biorisks and Ecohealth Perspectives  
**A. Gupte**  
Pune (India)

### Climate Change / Bruckner/Mahler/Brahms (First Level)

- 18.181 Modeling of Spatially Referenced Meteorological and Landscape Factors  
Influencing the Probability of Pathogen Isolation from Natural Environments  
**R. Ivanek**, Y.T. Grohn, M.T. Wells, A.J. Lembo, B.D. Sauders, M. Wiedmann  
Salisbury, MD, Albany, NY, Ithaca, NY, College Station, TX (USA)
- 18.182 Climate Change Simulations of Usutu Virus Dynamics in Vienna  
**F. Rubel**, K. Brugger  
Vienna (Austria)
- 18.183 Rate of Change in Lyme Disease Incidence in the United States Exhibits a  
North-South Gradient Consistent with Climate Change Effect  
**D. Fisman**  
Toronto (Canada)



## PARALLEL SESSION 19

International Meeting on Emerging Diseases and Surveillance 2009

Room: Park Congress / Ground Level

Monday, February 16, 2009

08:30–10:30

### COMMUNICATING DISEASE RISKS TO THE PUBLIC

**Co-Chairs:** Dan Lucey, USA  
Dick Thompson, Switzerland

- 19.001 WHO's Outbreak Communication: Guidance for Communicating During Public Health Emergencies  
**D. Thompson**  
Geneva (Switzerland)
- 19.002 Social Aspects of Risk Perception  
**M. Setbon**, J. Raude, A. Flahaut  
Aix en Provence, Rennes (France)
- 19.003 The Role of the Media  
**M. Enserink**  
Paris (France)
- 19.004 Communicating via Social Networks  
**P.M. Polgreen**  
Iowa City, IA (USA)
- 10.30–11.00 **Coffee Break** (Ground Level AND Level 1)



## PARALLEL SESSION 20

International Meeting on Emerging Diseases and Surveillance 2009

Room: Klimt Ballroom 2 & 3 / First Level

Monday, February 16, 2009

08:30–10:30

### VACCINES AND REEMERGING DISEASES

**Co-Chairs:** Thomas Monath, USA  
Kanta Subbarao, USA

- 20.001 The Pandemic Threat of Avian Influenza Viruses  
**K. Subbarao**  
Bethesda, MD (USA)
- 20.002 Vero cell Derived Whole Virus H5N1 Vaccine: Safety, Prime-boost and Cross-neutralization Data  
**A. Löw-Baselli**  
Vienna (Austria)
- 20.003 Bluetongue Virus Vaccines: Solution or Part of the Problem?  
**N.J. MacLachlan**  
Davis, CA (USA)
- 20.004 Dengue Vaccine Development  
**H. Margolis**  
Seoul (Republic of Korea)
- 10.30–11.00 **Coffee Break** (Ground Level AND Level 1)



# PLENARY LECTURE • SESSION 21

*International Meeting on Emerging Diseases and Surveillance 2009*

Room: Park Congress / Ground Level

Monday, February 16, 2009

11:00–11:45

## **MICROBE HUNTING IN THE 21ST CENTURY**

**Chair:** Larry Madoff, Boston, USA

21.001            Microbe Hunting in the 21st Century  
**W. I. Lipkin**  
New York, NY (USA)

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Baxter has developed a unique technology platform to manufacture Influenza vaccines at an industrial scale based on its proprietary serum protein free Vero cell technology, which can be used for the production of both interpandemic and pandemic vaccines such as H5N1.

In December 2008, the Committee for Medicinal Products for Human Use (CHMP) for the EMEA has issued a positive opinion toward approving marketing authorization of the first cell culture-based H5N1 pandemic vaccine, in the European Union.

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