

Conference Scientific Program for INCDNCM 2005

Day 1 – Monday 8th August 2005

8.30 – 8.45 am – Welcoming addresses:

- Dr. Susan Wong, President of INCDNCM
- Dr. Don Woods, Department of Microbiology and Infectious Diseases, Faculty of Medicine, University of Calgary

8.45 – 9.45 am:

- **RR Parker Memorial Speaker – Avian Influenza H5N1 – An Emerging Pathogen**, address by Dr. Robert Webster, Director World Health Organization for Influenza in Animals and Birds, St. Jude Children's Research Hospital.

9.45 – 10.00 am – Nutritional Break (provided)

10.00 am – 1.00 pm – *Symposium 1 – Influenza & Respiratory Pathogens Moderator: Dr. Norman Neumann

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| 10:00 – 10:30 | John Pasick , NCFAD, CFIA- Influenza infections in Poultry; a Canadian Perspective |
| 10:30 – 11:00 | Yan Li, National Microbiology Laboratory, PHAC – Influenza Infections in Humans |
| 11:00 – 11.20 | Julie Fox, Alberta Provincial Laboratory - Molecular Diagnostics – the Way Forward |
| 11:20 – 11:40 | Tracy DuVernoy, Veterinary Services, USDA - Highly Pathogenic Avian Influenza H5N1 in Asia: the USDA response |
| 11:40 – 12:00 | Sean K. Byrne <i>et al.</i> Animal Health Centre, British Columbia Ministry of Agriculture - Molecular alterations following a change from low to highly pathogenic avian influenza in British Columbia, 2004 |
| 12:00 – 12:15 | Bonita Lee <i>et al.</i> Provincial Laboratory for Public Health, Edmonton, AB Hantavirus in Alberta 2005 |
| 12:15 – 12:30 | Parmley, EJ and CS Ribble. Centre for Coastal Health, Namaimo, BC. Using human health databases for surveillance of zoonotic enteric disease in Alberta |
| 12.30 – 12:45 | Ruecker, N & Neumann NF, Alberta Provincial Laboratory – Assessing the potential for zoonotic transmission of Cryptosporidium through contaminated drinking water |

1:00 – 2:00 pm – Lunch (provided)

2:00 – 3:45 pm - * Symposium 2 – Prions & Spongiform Encephalopathies – Moderator: Dr. Peter Buck

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| 2: 00 – 2:45 | Plenary Speaker – Dr. Stefanie Czub - An introduction into Prion Diseases |
| 2: 45 – 3:00 | Gerald Hauer, Food Safety Division, Alberta Agriculture - The Alberta BSE Surveillance Program |

- 3:00 – 3:15 Gerald Hauer, Food Safety Division, Alberta Agriculture. - Chronic wasting disease of cervids
- 3:15 – 3:30 Moskowitz, David. GenoMed Inc. - Clinical treatment for WNV, BSE and Avian influenza

3.45 – 4.00 pm – Nutritional Break (provided)

4:00 – 5.:30 pm - *Symposium 3 - Bacterial Zoonoses – Moderator: Dr. John Gawoski

- 4:00 – 4:30 Paul Levett, Provincial Laboratory, Saskatchewan Health - Leptospirosis - Diagnosis, epidemiology, molecular typing and related aspects
- 4:30- 4:45 Phil Shoemack, Bay of Plenty District Health Board, Tauranga NZ– The politics of human Leptospiral infections in New Zealand
- 4:45 – 5:00 Mike Kosoy *et al.* Division of Vector-Borne Infectious Diseases, CDC, Fort Collins - Prospective study of plague in New Mexico: spatial and temporal patterns in epizootic dynamics'.
- 5::00 – 5:15 Jennifer Lowell & Ken Gage. Division of Vector-Borne Infectious Diseases, CDC, Fort Collins - Molecular epidemiology of plague
- 5:15 – 5:30 Ken Gage. Division of Vector-Borne Infectious Diseases, CDC, Fort Collins - GARP modelling as a means to identify potential areas of plague in the United States, Canada and Mexico

5.:30 – 7:00 – Break

7:00 pm till late – INCDNCM Banquet + Invited Speaker Dr. Heinz Feldman, Chief, Level 4 Facility, National Microbiology Laboratory, Winnipeg, MB.

Day 2 – Tuesday 9th August 2005

8:00 – 9:00 am - INCDNCM Business Meeting

9:00 – 10:00 am

- Plenary Speaker – West Nile virus – A continuing epidemic, Dr. Robert Lanciotti, CDC, Fort Collins

10.00 – 10.15 am – Nutritional Break (provided)

10:15 am – 1:00 pm – *Symposium 4 – West Nile Virus and other Viral Encephalitides – Moderator: Dr. Lorne Jordan

- 10:15 – 10.45 Peter Tilley, Alberta Provincial Laboratory – Confusion in the lab diagnosis of WNV
- 11.45 – 11.05 Larry Svenson. Team Leader, Health Surveillance Branch. Alberta Health & Wellness West Nile virus – An Alberta perspective

- 11.05 – 11.20 Chris Whitehouse *et al.*, USAMRIID, Fort Detrick, MD – Detection and identification of alphaviruses using broad-range PCR followed by mass spectrometry. A new tool to study the ecology and epidemiology of alphaviruses.
- 11:20 – 11:35 Michael P. Ward & Jim A. Schuerman . College of Veterinary Medicine, Texas A & M University- The spatio-temporal relationship between human and equine case of West Nile Virus disease in Texas
- 11.35 – 11.50 Rebecca Corrigan *et al.* Western College of Veterinary Medicine, University of Saskatchewan. Evaluating with spatial regression the use of early season seroconversion of sentinel horses as a means of predicting human risk of WNV infection
- 11.50 – 12:10 Peter Buck, PHAC, Winnipeg, MB. West Nile Virus in Canada
- 12:10 - 12:25 Shane Jones *et al.* National Microbiology Laboratory, PHAC. Serological assay to diagnose presence of IgG to Nipah virus

12.30 – 1.30 pm – Lunch (provided)

1.30 – 3.30 pm – *Symposium 5 – Bacterial Zoonoses – Moderator: Dr. Errol Prasad

- 1.30 – 1:45 Andrea Currie *et al* – Outbreak of E.coli 0157:H7 infections in the Calgary Health Region associated with beef donair, September to October 2004 Public Health Agency of Canada.
- 1:45 – 2:00 Isabelle J. Levesque & Nathalie Cote. Department of Agriculture, Government of Quebec. Human *Salmonella* Paratyphi B infections: relation with pet exotic fishes
- 2.00 – 2:15 Alexandra Brower *et al.* Wisconsin Veterinary Diagnostic Laboratory, Madison WI. Clinical, epidemiological & microbiological investigation of the spread of *Brucella canis* in Wisconsin via the interstate dog trade
- 2:15 – 2:30 A. N. Kruglov *et al.* Sechenov Moscow Medical Academy, Moscow, Russia. Demonstration of *Bartonella vinsonii* subsp. *arupensis* infection in human patients with fever and endocarditis in Russia.
- 2:30 – 2:45 Sigrid Vogl. Institute of Arctic Biology, University of Alaska Fairbanks. Molecular ecology and epidemiology of *Francisella tularensis* in Alaska
- 2:45 – 3:00 J.M. Gawoski *et al.*, Lahey Clinic, Burlington MA. Human granulocytic ehrlichiosis: an emerging infection in Massachusetts. Case report and review.
- 3:00 – 3:15 Karen Kulas & Susan J. Wong. Wadsworth Center, Albany NY. Anaplasmosis in the Housatonic River Valley of Berkshire County, Massachusetts
- 3:15 – 3:30 Susan J. Wong *et al.* Wadsworth Center, Albany NY. Multiplex microsphere immunoassay for antibodies to *Borrelia burgdorferi* recombinant proteins and *Ixodes scapularis* salivary proteins in the Lyme-borriellosis-associated fatal glomerulonephritis of retrievers

3.30 – 3.45 pm – Nutritional Break (provided)

3:45 – 5.30 pm - *Symposium 6 – Bacterial Zoonoses – Moderator Dr. Ken Gage

- 3:45 - 4: 00 C. Jardine *et al.*, Department of Veterinary Pathology, University of Saskatchewan, - Effect of experimental flea control on the prevalence of *Bartonella* Infections in wild rodents
- 4:00 – 4:15 Kelly Scheff *et al.*. Division of Vector-Borne Infectious Diseases, CDC, Fort Collins – Development & evaluation of a nested PCR for detection of *Bartonella sp* in rodent blood
- 4:15 – 4:30 M. Morshed *et al.*, Laboratory Services, BC Centre for Diseases Control. Migratory birds and ticks; their role in transmitting *Borrelia burgdorferi* in non - Lyme disease endemic areas
- 4:30 - 4:45 Richard M. Poche & Jeff N. Borchert. Genesis laboratories Inc. Development of rodent control programs in Sierra Leone refugee camps to decrease Lassa fever risk
- 4:45 - 5:00 Robert Elbel, Department of Biology, University of Utah. Real and imaginary arachnids and their relation to disease control.
- 5.00 - Closing Remarks and end of Conference

****Each symposium comprises of 10 to 15 min individual oral presentations on a related topic or theme***

Posters

Champagne, J.S. *et al.*- Arizona Department of Health Services, Phoenix, AZ. Meloidosis in the Americas: A case study and review of the literature

Dietrich, Gabrielle, MC Dolan, J Piesman, RJ Eisen & JJ Karchesy. CDC, Fort Collins. Repellent activity of fractioned compounds of Alaska yellow cedar essential oil against nymphal *Ixodes scapularis*

Gurney Jr., T *et al.* University of Utah, Salt Lake City. Kangaroo rats and their fleas prosper in the face of adverse habitat destruction.

Harris, Janet E. *et al.*, PHAC. Evaluating the evidence in agri-food public health using systematic reviews

He, Runtao. National Microbiology, PHAC, Winnipeg, MB.

MacDonald, Richard. West Nile virus surveillance risk assessment mapping City of Hamilton 2004

Obuekwe, Ifeyna Flossy and Onyejekwe, Ihuoma Chigorom. Antidiarrheal evaluation of some African medicinal plants used in Bini folk medicine

Read, Amanda *et al.* Institute of Arctic Biology, University of Alaska Fairbanks. Interactions between *Francisella* species and tick and mosquito cells

Singh, B.R. *et al.* Indian Veterinary Research Institute, Izatnagar, India. Assessment of the microbial quality of water sprinkled on vegetables to keep them fresh in North Indian cities.

Singh, B.R. *et al.* Indian Veterinary Research Institute, Izatnagar, India. A study on the prevalence of MDR *Salmonella* in vegetables eaten raw in Bareilly and Kanpur (North India)

Station, Wendy. Encephalitis Global Inc. North Vancouver BC. What is encephalitis anyways ?

Tangredi, Basil. Diagnosis of WNV in crows by clinical pathology

Thepsoontrom Suwanna *et al.* Ministry of Public Health, Thailand. Epidemiology of acute diarrhea among hospital based populations

Wilson, Jean. PHAC, Winnipeg, MB. A tularaemia outbreak in pet hamsters.