CVMA
2014 SUMMIT OF VETERINARY LEADERS

“ANTIMICROBIAL STEWARDSHIP: A NEW WORLD ORDER”

8:00 A.M. – 5:00 P.M.
JULY 9, 2014

ST. JOHN’S NEWFOUNDLAND & LABRADOR

DELTA ST. JOHN’S HOTEL AND CONFERENCE CENTRE
TABLE OF CONTENTS

SUMMIT SCHEDULE .................................................................................................. 2
SPEAKER BIOS ........................................................................................................ 3
INTERNATIONAL SPEAKER BIOS ........................................................................... 9
SUMMIT SPEAKER BACKGROUND DOCUMENTS ...................................................... 12
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Jean Gauvin, CHAIR</td>
<td>Introduction</td>
</tr>
<tr>
<td>08:10</td>
<td>John Prescott</td>
<td>The Stewardship of Antimicrobial Drugs in Animals in Canada: How Are We Doing?</td>
</tr>
<tr>
<td>08:50</td>
<td>Peter Jones</td>
<td>Overview of AMR in UK and Europe</td>
</tr>
<tr>
<td>09:30</td>
<td>Mark Papich</td>
<td>Decreasing Antimicrobial Resistance in Animals -- the Role of CLSI and Published Guidelines to Promote Antimicrobial Stewardship</td>
</tr>
<tr>
<td>10:10</td>
<td></td>
<td>BREAK</td>
</tr>
<tr>
<td>10:25</td>
<td>Nigel Gumley</td>
<td>AMR Prudent Use Guidelines for small animals and smart phone apps for UTI and Pyoderma</td>
</tr>
<tr>
<td>11:05</td>
<td>Michel Major</td>
<td>A short history of Québec’s veterinary antimicrobial regulation and stewardship</td>
</tr>
<tr>
<td>12:00</td>
<td></td>
<td>AGM/CVMA AWARDS LUNCHEON</td>
</tr>
<tr>
<td>14:00</td>
<td>Joël Bergeron</td>
<td>OMOVQ’s compulsory CE for AMR in Quebec</td>
</tr>
<tr>
<td>14:35</td>
<td>Jim Hutchinson</td>
<td>Overview of resistance issues in Canada from a human medicine perspective</td>
</tr>
<tr>
<td>15:00</td>
<td></td>
<td>BREAK</td>
</tr>
<tr>
<td>15:15</td>
<td>Marie Archambault</td>
<td>AMR: Are veterinarians the only ones to blame? The profession is proactive: the proof</td>
</tr>
<tr>
<td>15:50</td>
<td>PRESENTATIONS BY INTERNATIONAL GUESTS</td>
<td>Clark Fobian (AVMA)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Martine Dubuc (OIE)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duane Landals (WVA)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Keith Campbell (CVA)</td>
</tr>
<tr>
<td>16:15</td>
<td>All Speakers and guests</td>
<td>PANEL DISCUSSION AND Q&amp;A</td>
</tr>
<tr>
<td>16:45</td>
<td>Jean Gauvin</td>
<td>Closing Remarks</td>
</tr>
</tbody>
</table>
With a lifelong passion for animals, Dr. Gauvin saw his childhood dream from fruition when he graduated from University of Montreal's Faculté de médecine vétérinaire in 1980. He inherited his passion for pets and veterinary medicine from his grandfather, who was himself a veterinarian and a pioneer of the profession in Canada.

Between his work in private practice and employment at the Montreal Zoo and Aquarium (1983-1988), Dr. Gauvin wrote a practical guide on reptiles. He co-wrote and produced four videos on the normal and abnormal behaviour of cats and dogs. Owing to his expertise and fluency in both official languages, he is frequently called upon to give lectures across Canada. Dr. Gauvin taught in universities and colleges for several years (1985-1996) before devoting himself exclusively to private practice and the media. Dr. Gauvin has over twenty-five years of experience in the field of both electronic (radio and television) and written media. For five years he hosted the TQS Network’s popular TV show "Pas Si Bête Que Ça!", a program devoted to pets., More recently he has joined the team of the TV Show « Libre Service » which airs on MAtv.

Dr. Gauvin is married to Lyne Cossette, has two sons Charles and Alexandre, a wirehaired teckel named Maya, Gaston an orange tabby cat and Caroline the turtle.

In 1995, the Académie de médecin vétérinaire du Québec awarded him the "Damasse Généreux." This award recognizes the importance of a veterinarian in the development of pet veterinary medicine in Quebec. In 2000, he was the recipient of the Small Animal Practitioner of the Year, awarded by the Canadian Veterinary Medical Association.

Dr. Gauvin represents Quebec members of the Canadian veterinary Medical association on Council and is currently its President-Elect.
SPEAKER BIO – John Prescott, DVM

John Prescott, a veterinary bacteriologist at the Ontario Veterinary College, is an editor and author of “Antimicrobial Therapy in Veterinary Medicine” (Wiley-Blackwell) (5th edition, 2013). Research interests include alternatives to antibiotics to control necrotic enteritis of chickens. He was elected a Fellow of the Canadian Academy of Health Sciences in 2008.

SPEAKER BIO – Peter Harlech Jones, BVSc, MRCVS

Peter attended University in Liverpool. After several years in mixed and small animal practice he joined the pharmaceutical industry and spent the next 18 years in the animal health business both in the UK and overseas. In 1995 Peter was appointed the first head of the Veterinary Division at the newly created European Medicines Evaluation Agency (EMEA) in London.

Peter’s last post before semi-retirement in 2008 was as head of the global animal health industry association, the International Federation of Animal Health (IFAH) in Brussels.

Within the BVA Peter has served on the Medicines Group. He participates in the work of the Federation of Veterinarians of Europe (FVE).
Dr. Papich is a Professor of Clinical Pharmacology, and Supervisor of the Clinical Pharmacology Laboratory in the College of Veterinary Medicine at North Carolina State University. He is a diplomate in the American College of Veterinary Clinical Pharmacology (ACVCP), and has served as president of ACVCP. He is also a Fellow in the American Academy of Veterinary Pharmacology and Therapeutics. He has served on the Council of Experts and Chairman for the Veterinary Drugs Expert Committee for the United States Pharmacopeia (USP) and a member and current chair holder of the Clinical Laboratory Standards Institute (CLSI, formerly NCCLS) Veterinary Antimicrobial Susceptibility Testing subcommittee (VAST). He served as a member of the Veterinary Medicine Advisory Committee of the Food and Drug Administration (FDA). He has taught veterinary pharmacology for over 20 years. He has authored/edited six books on veterinary pharmacology and is one of the editors of the 9th edition of Veterinary Pharmacology and Therapeutics. He is author or co-author of 170 research papers published in refereed journals and has authored over 90 book chapters, and review papers. In 2013 he was awarded the LE Davis Award by the American Academy of Veterinary Pharmacology & Therapeutics for significant contributions in veterinary pharmacology. In 2009 he was awarded the AAVPT Teaching Award, in recognition of 25 years devoted to teaching and his contribution to clinical pharmacology. In 2008 he was awarded the NCSU Huffman Leadership Award, in recognition of outstanding contributions to NC State University College of Veterinary Medicine, and also in 2008, was awarded the Pfizer Award for Research Excellence, for outstanding achievement and dedication in the field of Veterinary Medicine. He has also delivered hundreds of presentations on veterinary pharmacology at national and international veterinary meetings, conferences and symposia.
SPEAKER BIO – Nigel Gumley, DVM, ACVCP

Dr. Nigel Gumley has served with both the CVMA and AVMA on vaccination guidelines, with the CVMA’s National Issues Committee, and is current the Chair for the CVMA’s Working Group on Prudent Use Guidelines for Companion Animals and is a CVMA representative to the AVMA’s Task Force on Antimicrobial Resistance.

SPEAKER BIO – Michel Major, DVM

Dr. Major graduated from the University of Montreal in 1983. He worked in farm animal practice until 1985, then as a consultant in preventive medicine until 1988, when he also completed a development internship in veterinary applied sciences, specializing in laboratory diagnostics. He then practiced at MAPAQ’s Animal Pathology Laboratory in Sainte-Foy until 1997, before accepting the position of coordinator of the Zoosanitary Alert and Information Network until 2002, and then the position of coordinator of Animal Health Emergency Measures until 2007. From 2007 to 2010, he worked as assistant to the Director, then as acting Director of the Animal Pathology Expertise Laboratory. Since March 8, 2010, he has held the position of chief veterinary officer at the MAPAQ and he is president of the Quebec Strategy for Animal Health and Welfare. He is also a Board member of the National Farmed Animal Health and Welfare Council.
SPEAKER BIO – Joël Bergeron, DVM

Dr. Bergeron comes from the Temiscamingue region in the northwestern part of the province of Quebec. He is the father of four kids and, with his wife, co-owns l’Hôpital Vétérinaire des Seigneuries in Boucherville, Québec.

After a molecular biology degree at University of Ottawa, he graduated from FMV in 1991. He has integrated acupuncture in his practice since 2006.

He was Vice-President and President of AMVQ, a small animal practitioner association and he has been President of the regulatory body in Quebec, l’Ordre des médecins vétérinaires du Québec, since 2008.

SPEAKER BIO – Jim Hutchinson, MD, FRCPC

Dr. Hutchinson has recently relocated to Victoria, British Columbia working as a consultant medical microbiologist for Island Health and is Medical Director of the new Antimicrobial Stewardship program. He is also affiliated with the Island Medical Program of the University of British Columbia.

Dr. Hutchinson received his MD from the University of Alberta in 1985 and completed Royal College training in Medical Microbiology in 1992. He spent seventeen years at Memorial University of Newfoundland where he developed a large interest in the clinical epidemiology of infections.
His work centers on antibiotic utilization in hospital and the community locally, nationally and internationally. Dr. Hutchinson is a past Chair of the Canadian Committee on Antibiotic Resistance (CCAR) and is currently Co-Chair of the Antimicrobial Stewardship Working group of the International Society for Chemotherapy, the overarching body representing eighty professional societies of Infectious Diseases and Medical Microbiology. You can see what he is up to now at [http://infectionnet.org](http://infectionnet.org).

**SPEAKER BIO – Marie Archambault, DVM MSc, PhD, Dipl ACVM**

Dr. Archambault is an Associate Professor at the Faculty of Veterinary Medicine of the University of Montreal. She received her Board Certification from the American College of Veterinary Microbiologists in 2002 and was recently awarded the Carl J. Norden award for teaching excellence. Her areas of research include antibiotic resistance in veterinary and zoonotic pathogens.
INTERNATIONAL SPEAKERS

INTERNATIONAL SPEAKER BIO – Clark Fobian, DVM (for AVMA)

Dr. Clark Fobian grew up in Kirkwood, MO a suburb of St. Louis. He attended the University of Missouri-Columbia obtaining a Bachelor of Science in Wildlife Biology in 1972 and his Doctor of Veterinary Medicine Degree in 1977.

He worked as an associate veterinarian in mixed animal practice for four years in Nevada and Marshall, Missouri before starting his own small animal practice in Sedalia, Missouri in 1981 where he has continued to practice since that time. Through this time he has expanded from a solo practice to a four person practice building a new clinic facility in 1996.

In 2006, Dr. Fobian was elected to the Executive Board of the American Veterinary Medical Association (AVMA) which oversees the fiduciary responsibilities of its over 83,000 members. He has served on numerous committees and councils in the AVMA and has most recently assumed the responsibilities as President of the AVMA in July of 2013. He has also served as Chairman of the American Veterinary Medical Foundation (AVMF) which oversees the charitable arm of the AVMA. Dr. Fobian has been very active in the Missouri Veterinary Medical Association serving as vice-president, president-elect, president and chairman of the board. His leadership skills have been used in numerous community activities and organizations.

He has been married to his wife Rita for thirty-nine years. They have two grown children, Kerri and Todd as well as three grandchildren Eli, Liam & Maisy. Throughout this time, Dr. Fobian has been actively involved, on a daily basis, in the clinical practice of veterinary medicine.
INTERNATIONAL SPEAKER BIO – Martine Dubuc, DVM (for OIE)

As CFSO, Dr. Dubuc provides expert advice to food safety program design and regulatory policy development in Canada which takes into account evolving and emerging food safety risks, global trends and best practices. With a view to ensuring integration and excellence across the CFIA’s three business lines, the CFSO will reach out to a broader domestic and international stakeholder community to define an integrated strategy that clearly reflects the interdependence of public health, food safety, animals, and plants.

As Canada’s OIE Delegate, Dr. Dubuc plays a crucial role in the OIE’s standard setting process for the development and adoption of animal health standards and guidelines. Dr. Dubuc works in partnership with Canada’s Chief Veterinary Officer, to ensure that the standards are appropriately and consistently implemented in Canada, and is responsible for notifying the OIE of reportable animal disease occurrences in Canada.

As Vice-President of Science, Dr. Dubuc ensures that the required scientific capacity is in place to support an efficient and effective regulatory regime that protects human, animal and plant health as well as the environment. Dr. Dubuc is responsible for the overall direction of Science Branch in supporting the Agency’s business by conducting research, diagnostic analysis, risk assessment, surveillance and providing science advice across the country. As Vice President she is also responsible for CFIA’s animal, food and plant laboratory network which is distributed across the country and including the National Centre for Foreign Animal Diseases containment level 4 laboratory in Winnipeg.

Prior to joining the CFIA, Dr. Dubuc worked at senior levels in the Quebec government with responsibility for the animal health and food safety system at the provincial level where she was also actively engaged in national food safety efforts as part of the Federal/Provincial/Territorial Assistant Deputy Ministers group. In 2006 she was awarded the Prix Mérite for her contribution to the provincial public service. Dr. Dubuc holds a doctorate of veterinary medicine from the University of Montreal.
INTERNATIONAL SPEAKER BIO – Duane Landals, DVM (for WVA)

Dr. Duane Landals graduated from the University of Alberta with a Bachelor of Science degree in Agriculture with a major in animal and soil science. In 1975, he obtained his Doctor of Veterinary Medicine degree from the Western College of Veterinary Medicine in Saskatoon.

He spent 25 years in rural mixed veterinary practice in Alberta. After leaving private veterinary practice, he served 13 years as CEO/Registrar and Secretary-Treasurer of the Alberta Veterinary Medical Association. Currently his role is as Senior Advisor to that organization and he is Vice-President of the World Veterinary Association. He is Past-President of both the Alberta and Canadian Veterinary Medical Associations and served as chair for the 29th World Veterinary Congress in Vancouver, Canada.

Duane is currently seeking election as President of the World Veterinary Association

SUMMIT SPEAKER BIO – Keith Campbell, DVM (for CVA)

Keith graduated from Western College of Veterinary Medicine (D.V.M.) in 1976 and practiced small animal medicine and surgery in Winnipeg from 1976-2006. He was President of the Manitoba Veterinary Medical Association from 1982-83. Keith was then on CVMA Council representing members from Manitoba from 1997-2004. and subsequently CVMA President for the year 2004-05 and has been involved with the Commonwealth Veterinary Association (CVA) from 2006 to the present. He joined Canadian Food Inspection Agency in 2006 to lead development of Biosecurity Programming and has been Executive Director, Western Laboratory Network, CFIA from 2010 to the present.
As a member of the veterinary medical profession, I solemnly swear that I will use my scientific knowledge and skills for the benefit of society.

I will strive to promote animal health and welfare, relieve animal suffering, protect the health of the public and environment, and advance comparative medical knowledge.

I will practice my profession conscientiously, with dignity, and in keeping with the principles of veterinary medical ethics.

I will strive continuously to improve my professional knowledge and competence and to maintain the highest professional and ethical standards for myself and the profession.

CVMA 2004

SOME BACKGROUND SOURCES ON ANTIMICROBIAL STEWARDSHIP

Antimicrobial Resistant Organisms (ARO) Surveillance; Public Health Agency of Canada; December 2013

2011 Antimicrobial Stewardship in Canadian Agriculture and Veterinary Medicine Conference : How is Canada doing and what still needs to be done?
http://www.antimicrobialcanada.com/


Les antibiotiques, en faire bon usage, c’est sage; MAPAQ.
http://www.mapaq.gouv.qc.ca/fr/Productions/santeanimale/usage_antibiotiques/Pages/utilisation_antibiotiques.aspx
Résultats de la surveillance de l’antibiorésistance; MAPAQ novembre 2013.  
http://www.mapaq.gouv.qc.ca/fr/Productions/santeanimale/usage_antibiotiques/antibioresistance/Pages/resultats_surveillance.aspx

FDA Takes Significant Steps to Address Antimicrobial Resistance  
December 11 2013
http://www.fda.gov/AnimalVeterinary/NewsEvents/CVMUpdates/ucm378166.htm?source=govdelivery&utm_medium=email&utm_source=govdelivery

Canadian Integrated Program for Antimicrobial Resistance Surveillance (CIPARS)

Antimicrobials: The responsible use of antimicrobials in veterinary practice is one of the very important issues currently being addressed by the BVA
http://www.bva.co.uk/activity_and_advice/antimicrobials.aspx

UK 5-Year Antimicrobial Resistance Strategy 2013 to 2018  

CDC Threat Report 2013, CDC: Deadliest Drug Resistance Comes From Hospitals, Not Farms NPR September 16 2013  

http://www.cdc.gov/drugresistance/threat-report-2013/

Antibiotic Resistance Threats in the United States, 2013  

WVA Position on Responsible Use of Antimicrobials
http://www.worldvet.org/library.php?item=62&cat=1&view=item

Antimicrobial Agents and Antimicrobial Resistance OIE

FDA’s Final Antimicrobial Regulation Proposal Provides Veterinarians More Flexibility; *DMV 360*, December 19 2013

Clock is Ticking on Use of Some Antimicrobial Drugs in Livestock Production AGWEB December 16, 2013
http://www.agweb.com/article/clock_is_ticking_on_use_of_some_antimicrobial_drugs_in_livestock_production_NAA_University_News_Release/

FDA to Curb Antibiotic Use in Livestock, December 11, 2013
http://www.bbc.co.uk/news/world-us-canada-25340995

Advances Allow More Prudent Antibiotic Use; *The Pig Site* November 14, 2013
http://www.thepigsite.com/swinenews/34894/advances-allow-more-prudent-antibiotic-use

WHO’s first global report on antibiotic resistance; the media release:

The report:
http://apps.who.int/iris/bitstream/10665/112642/1/9789241564748_eng.pdf

The Federation of European Companion Animal Veterinary Associations (FECAVA)
http://wsava.org/article/antimicrobial-use-concern-you


http://www.fecava.org/sites/default/files/files/FECAVA%20Advice%20on%20Responsible%20use%20of%20Antimicrobials.pdf


American Veterinary Medical Association policy documents:
Antimicrobial Use, Role of the Veterinarian
Antimicrobial-Resistant Bacteria, AVMA Strategy
Antimicrobials for Treatment of Aquatic Animals by Veterinarians, Judicious Use
Antimicrobials for Use in Food-Producing Animals, Approval and Availability
Antimicrobials in Cattle, AABP Prudent Drug Usage Guidelines
Antimicrobials in Horses, AAEP Prudent Drug Usage Guidelines
Antimicrobials in Livestock Feeds
Antimicrobials in Poultry, AAAP Guidelines for Judicious Therapeutic Use
Antimicrobials in Swine, AASV Guidelines for Judicious Therapeutic Use in Pork Production
Antimicrobials, AAFP/AAHA Basic Guidelines for Judicious Therapeutic Use
Antimicrobials, Joint AVMA-Federation of Veterinarians of Europe Statement on Responsible and Judicious Use
Antimicrobials, Judicious Therapeutic Use
Antimicrobials: National Antimicrobial Resistance Monitoring System (NARMS)
Antimicrobials: Veterinary Foresight and Expertise in Antimicrobial Discussions