

## Dr. Fred Markham Retires from UPEI

**Dr. Fred Markham** arrived at UPEI in the summer of 1986 to interesting accommodations in the basement of the UPEI utility building, by the fall of that year, he and the other original members of the AVC faculty welcomed the first class of students to the college and moved into more appropriate spaces in the new AVC building.

Dr. Markham received his BSc in Microbiology from the University of Guelph and his PhD in Immunology at the Ontario Veterinary College, University of Guelph. His interest was in respiratory immunology and he was among the first researchers who elucidated some of the pathogenic features of *Pasteurella (Mannheimia) haemolytica*. He continued his work with this pathogen at the University of Minnesota Veterinary College as a Post-doctoral Fellow and Research Associate, also venturing into studies with other bovine pathogens. He took a brief detour from his association with veterinary schools during a two year stint with Canada's Department of National Defence where he investigated methods to enhance respiratory protection from potential biological agents.



Upon his arrival at UPEI-AVC, Dr. Markham was influenced by some other original members to investigate possible immune mechanisms involved in host response to pathogens of concern in aquatic species. This led to a productive individual and collaborative research career looking at pathogenesis and immune response to a variety of aquatic pathogens. He held a number of NSERC grants and funding from a variety of other sources. His studies also included development and evaluation of immunological assays for a number of pathogens of fish, cattle, dogs and other animal species. These collaborative studies were done with faculty from across the various departments at AVC.

For six years he served as Chair of the Department of Pathology and Microbiology (the 3rd chair after Dr. Jim Bellamy and Dr. Ray Long) and was able to maintain the department's momentum in pursuit of development in research, teaching and service. He also chaired a number of important committees both at the college and university levels.

He taught immunology to the first year veterinary students and was involved in a number of graduate courses. He had a particular interest in his own graduate course in immunology, "Recent Advances in Immunology", which he offered and taught almost every year. As well as supervising or co-supervising his own graduate students, he served on a large number of graduate student supervisory committees across all AVC Departments. He is now working on his golf game and enjoying a winter without snow with his wife Judy in Florida.

We extend our congratulations to Dr. Fred Markham, who retired from UPEI effective January 1, 2015, after 29 years as AVC faculty member. Dr. Markham served as Chair of the Department of Pathology and Microbiology for 2 terms (1994-2000).

God speed Dr. Markham. You set a course for the Department of Pathology and Microbiology that continues to this day. Happy golfing our friend, mentor and colleague.

## Goodbye, Dr. López!



One of our founding faculty, **Dr. Alfonso López Mayagoitia**, retired this past January after 26 years of working at the Atlantic Veterinary College (AVC) as a professor, researcher and diagnostician. A native of Mexico City, Dr. López graduated as a veterinarian from the Universidad de Tamaulipas, in northern Mexico, in 1973. Following what would become a career long interest in respiratory pathology, Dr. López obtained his MSc and PhD degrees from the University of Guelph working on the effects of multi-pathogen interactions in respiratory disease of cattle.

After teaching for several years in his native Mexico, Dr. López returned to Canada in the mid -80s, this time to work for Alberta's Environmental Centre focusing on inhalation toxicology. His time in Mexico had been well spent. He had set up the diagnostic laboratory of the Universidad de Tamaulipas and began the graduate program in anatomic pathology at the Universidad Nacional Autónoma de México in Mexico City. By the time he arrived at the newly formed AVC in 1988, Dr. López had a well established

research program in respiratory pathology, an international reputation as a teacher and years of experience as a diagnostician.

Always passionate about teaching and a keen technical innovator, he is always one of the first to embrace new technology and modernize his lectures-leading (or occasionally dragging) other professors to do the same and helping the discipline of pathology receive some of the best student evaluations at the AVC.

Dr. López has received numerous national and international teaching awards and honorary recognitions. He was the first faculty member in our university to receive a prestigious Canadian International Development Agency grant. His multiple agreements with other universities have made it possible for numerous faculty and veterinary students to train in Canada and abroad. But he is most proud of the chapters he has contributed to several textbooks in Spanish and, most especially, his chapter in *Pathologic Basis of Veterinary Disease*. The book, originally edited by his mentor and our founding Dean, Dr. R.G. Thomson, has become the textbook for veterinary pathology not only in Canada but in many countries, including Dr. López's native Mexico.

Although Dr. López and his wife of 33 years, Rosalie Finney, plan to move to Ontario to be closer to their daughter, Adriana, he will continue lecturing around the world and perhaps even visit us now and again. Good travels, Dr. López, and a heartfelt thank you from all of us you have helped along the way.

*Written by Dr. María Forzán, Wildlife Pathologist*



## Goodbye to Post-Doctoral Fellow Dr. Okechukwu Igboeli

**Dr. Okechukwu Igboeli** was an Innovation PEI Post-doctoral Fellow with Dr. Mark Fast from 2013 to 2015. He is a veterinarian with an M.Sc. in Toxicology and Ph.D. in Pharmacology (with a focus into emamectin benzoate resistance in sea lice).

Before commencing his doctoral program, Dr. Igboeli was a veterinary clinician for some years, and then a fulltime tenure lecturer with the Department of Pharmacology and Toxicology, Faculty of Veterinary Medicine, University of Abuja, Nigeria. His post-doctoral research focussed on applied strategies on drug resistance reversal, discovery of new drugs and drug targets, DNA genotyping, and drug target validation (using RNAi) in sea lice.

Dr. Igboeli has received numerous competitive awards, scholarships and fellowships, including the CERC Short-Term Research Placement Award to Dr. Frank Nilsen's lab at the University of Bergen, Norway.

**Dr. Okechukwu Igboeli** completed his 2-year Post-doctoral Fellowship with Dr. Mark Fast on March 17, 2015. A farewell coffee party for him was on April 15, 2015. Best wishes in your future endeavors, Okey.



Photo left to right: Dr. Mark Fast, Bella Igboeli, Dr. Okechukwu Igboeli.

## Welcome to Post-Doctoral Fellow Dr. Laura Braden



**Dr. Laura Braden** is from Pemberton, British Columbia, Canada. She completed her post-secondary education at a small school on Vancouver Island (Vancouver Island University). After working as a research assistant for a professor in the Fisheries & Aquaculture department studying sea lice, she decided to pursue a graduate career investigating this enigmatic parasite. Since starting in a Master of Science program in 2009, Dr. Braden has secured several prestigious scholarships from the Natural Science & Engineering Research Council of Canada (NSERC) to study the host-parasite relationship between salmon and sea lice. She has presented her work at over 15 national and international conferences, has won international awards and has been invited to give lectures in laboratories around the world. Recently Dr.

Braden was awarded a post-doctoral award from NSERC to continue her research at UPEI working under the supervision of Dr. Mark Fast.

An avid fly-fisherwoman and aquatic ecosystem enthusiast, Dr. Braden can be often found sifting through intertidal zones, pestering octopus at 70 feet, or exploring local rivers to find the perfect spot for an evening cast.

## Dr. Cora Gilroy Awarded 2015 Zoetis Distinguished Teacher Award



**Dr. Cora Gilroy** received the 2015 Zoetis Carl J. Norden Distinguished Teacher Award.

This is the most prestigious teaching award at each North American veterinary college and Dr. Gilroy will be presented with it at the fall AVC Recognition Night.

Congratulations Dr. Cora Gilroy!

## Dr. Mark Fast Awarded 2015 "Zoetis Award for Excellence in Research"

**Dr. Mark Fast**, received the 2015 "Zoetis Award for Excellence in Research". The award is given by each North American Veterinary College, and Dr. Fast will be presented with it at the GSR Days on May 15, 2015.

Congratulations Dr. Mark Fast!



## Three 25-Year Employee Service Awards

Congratulations to **Allan MacKenzie**, **Patty McKenna** and **Dr. Fred Kibenge**, who received the 25-Year Employee Service Award (1989-2015) at the "Celebration of Colleagues" event on May 11, 2015. This annual event is organized by UPEI Human Resources Office.





## Dr. Juan Carlos Rodriguez-Lecompte on the Conference Circuit

**Dr. Juan C. Rodriguez-Lecompte** has been busy increasing the international reputation of the AVC and our department. Last January he was an invited professor in the first on-line course on Poultry Vaccination, Physiology and Immune Response. This was directed to poultry veterinarians in North and Latin America. Universidad Autónoma de México (UNAM) – Asociación Nacional de Especialistas en Ciencias Avícolas de México (ANECA)



In February, **Dr. Juan Carlos Rodriguez- Lecompte** presented a conference about the Management of Gut Health at the Atlantic Poultry Conference, Greenwich, NS, Canada.

In March he taught the workshops entitled: “Avian Immunology Applicability on Vaccination Programs in Poultry”, to poultry veterinarians offered for the National Federation of Poultry Producers of Colombia (FENAVI – Valle), in Cali, Colombia on March 3, 2015.

**Dr. Juan Carlos Rodriguez-Lecompte** participated in the workshop, “Maximizing Performance: Is the Poultry Industry Ready for Current Challenges?” with a conference entitled, “Getting the most out of hatchery vaccination: Development of early immune response and its effect on performance”. This was sponsored for The American College of Poultry Veterinarians, in Sacramento, CA, USA, March 22-25, 2015.

Finally, Dr. Rodriguez-Lecompte visited the poultry laboratory facilities at UC Davis with which he has important collaborations in avian immunology.



## 2015 Summer Schedule for Pathology Rounds and Seminars

| Date  | Topic  | Room          |
|---|--|---------------|
| Monday  | 3:30 PM Biopsy Rounds                        | Room 1196N *  |
| Tuesday   | 8:30 AM ASVCP Mystery Cases & Journal Review | Room 1196N*   |
| Wednesday   | 3:30 PM Biopsy Rounds                        | Room 1196N *  |
| Thursday  | 4:00 PM Gross Pathology Rounds               | Room 1034N ** |
| Friday  | 3:30 PM Biopsy Rounds                        | Room 1196N*   |
| *Multi-head microscope room in Diagnostic Services<br>** Post-mortem demonstration room |  |               |
| <b>Please note:</b> that lab coats or coveralls are required at Gross Pathology Rounds. |  |               |

## Recent Publications

Rey M, Rodriguez-Lecompte J, Undi M, Joseph T, Morrison J, Yitbarek A, Wittenberg K, Tremblay R, Crow G, Ominski K. (2015) Efficacy of needle-free injection on antibody production against *Clostridium chauvoei* in beef calves under field conditions. *Canadian Veterinary Journal* 56, 405-407.

Radtko CL, Nino-Fong R, Rodriguez-Lecompte JC, Gonzalez BPE, Stryhn H, McDuffee LA. (2015) Osteogenic potential of sorted equine mesenchymal stem cell subpopulations. *Canadian Journal of Veterinary Research* 79,101-108.

Power J, Weatherbee-Martin N, Boudreau M, O'Brien M, Conboy G, Smith T. (2015) Diversity and Ecology of Pulmonary Mestastroglyoidosis in Coyotes (*Canis latrans*) of Nova Scotia, Canada. *Comparative Parasitology* 82,85-93.

Khankhet J, Vanderwolf KJ, McAlpine DF, McBurney S, Overy DP, Slavic D, Xu J. (2015) Clonal expansion of the *Pseudogymnoascus destructans* genotype in North America is accompanied by significant variation in phenotypic expression. *PLOS ONE* 9, 1-9.

Overy DP, Groman D, Giles J, Duffy S, Rommens M, Johnson G. (2015) *Exophiala angulospora* cause systemic mycosis in Atlantic halibut: a case report. *Journal of Aquatic Animal Health* 27,12-19.

We welcome all comments, suggestions and submissions. Please contact:

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