

Dr. Cornelia Gilroy Receives Tenure at UPEI



Dr. Cornelia Gilroy, Associate Professor of Clinical Pathology, obtained tenure at the University of Prince Edward Island.

Congratulations Dr. Gilroy!

Dr. Fred Kibenge Appointed to the Editorial Board of Pathogens Journal



Dr. Fred Kibenge has been appointed to the Editorial Board of the Journal: PATHOGENS-IF 3.405 (ISSN 2076-0817) in the Animal Pathogens Section effective December 18, 2019. You can see the information through the following links:

https://www.mdpi.com/journal/pathogens/sectioneditors/Animal_Pathogens

<https://www.mdpi.com/journal/pathogens/editors>

Pathogens is an international, open access journal of pathogens and pathogen-host interactions published quarterly online by MDPI. Pathogens is covered by PubMed (PMC), Scopus (CiteScore 2018: 3.65) and SCIE (IF 3.405). You can learn more about the journal at <http://www.mdpi.com/journal/pathogens>.

This journal will be publishing a special Issue on heart and skeletal muscle inflammation (HSMI) and piscine orthoreovirus (PRV) in salmonids in May 2020 (https://www.mdpi.com/journal/pathogens/special_issues/Heart_and_Skeletal_Muscle_Inflammation#). Dr. Kibenge and co-authors were the first to publish in a peer-reviewed journal about PRV in salmonid aquaculture outside of Norway and established a genotyping system that can be used to track the global spread of PRV (<https://doi.org/10.1186/1743-422X-10-230>).

Dr. Kibenge has also been invited as Guest Editor to establish a special Issue for the journal on the topic "Virulence Mechanisms, Detection, and Control of Aquatic Animal Viruses" (https://www.mdpi.com/journal/pathogens/special_issues/Aquatic_Animal_Viruses#). The deadline for manuscript submission is August 31, 2020.

Dr. Shona Whyte Named Journal of Aquatic Animal Health Editor



American Fisheries Society (AFS) publications is pleased to announce **Dr. Shona Whyte** will serve as editor for the *Journal of Aquatic Animal Health*. Whyte is a research scientist and adjunct professor and graduate faculty within the Department of Pathology and Microbiology at the University of Prince Edward Island's Atlantic Veterinary College. She has been employed by both academic institutions and industry, and since 1989 has had extensive professional experience in contract research in Canada as well as internationally. She is experienced in the development of disease models of animals including the design, execution and validation of preliminary and confirmatory laboratory studies for the pharmaceutical and bioactives industry. She has served as an associate editor for the *Journal of Aquatic Animal Health* since 2014, and has authored or coauthored over 40 peer-review publications. She holds a BS and PhD from Aberdeen University and a post-doctoral fellowship from Stirling University. She received her Master of Business Administration in 2012 from the University of Prince Edward Island.

Department Welcomes New Senior Technologist to Central Services



The Pathology & Microbiology department welcomes **Nicole MacDonald-Jay**, who is starting a 1-year term appointment as Senior Technologist, Central Services. Nicole is a laboratory technologist in the Department of Biomedical Sciences. She is replacing Liz Rostant-MacArthur who is on a 1-year leave of absence.

Nicole is from Sackville, Nova Scotia, and originally moved to Prince Edward Island to attend UPEI in the Department of Biology. After graduating, she continued her studies at McMaster University in Hamilton, Ontario, obtaining her Master of Science degree in Cell Biology.

Nicole has been a laboratory technologist in the Department of Biomedical Sciences for 19 years, and in that time has worked in various research laboratories within the department. Most recently, she divided her time as a research technologist in the laboratory of Dr. Collins Kamunde, and as a technician assisting in the first year veterinary anatomy course, working with Dr. Tammy Muirhead and Dr. Sue Dawson. Nicole will be located in AVC 306S-317S, Central Services. Please stop by to say hello and make her feel welcome.

Pathology & Microbiology Welcomes Visiting Students



The Pathology and Microbiology department has a visiting veterinary student from Brazil hosted by **Dr. Shannon Martinson**. Blenda Fernandes Barroso is a fifth year (senior) veterinary student at the Universidade do Estado de Santa Catarina in Brazil. She is interested in anatomic pathology and is here for the winter semester doing a pathology externship as a requirement for her DVM program. She is attending lectures, pathology rounds, participating in the necropsy laboratory and spending long hours at the microscope studying histopathology.



The Pathology and Microbiology department welcomes Javon Lo, Jay for short. Jay is supervised by **Dr. Mark Fast** and she is a third-year marine biology undergrad student at Dalhousie University. Jay is currently working as a co-op student at the National Research Council in Charlottetown. She is working on a project that is a collaboration between NRC, ACRD Research Centre, UPEI, and AVC. This project aims to determine the potential benefits of unique ingredients and diet formulations on fish growth and disease resistance. The project is expected to contribute new knowledge to the field of fish nutrition and pathology and show the potential value of a new functional ingredient to the fish industry.

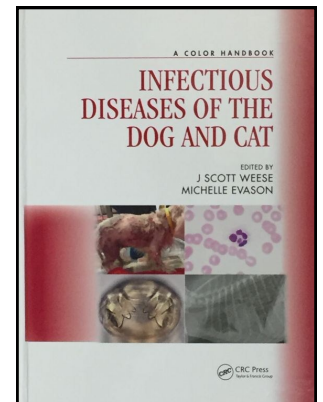
Drs. Clancey and Conboy Contribute to Text Book Recently Published

Drs Noel Clancey and Gary Conboy were contributors to the recently published CRC Press book, “A Color Handbook - Infectious Diseases of the Dog and Cat” edited by Drs. J Scott Weese and Michelle Evason.



The book is rich in high quality color images, many of them contributed by Noel and Gary. Two of their submitted images (a hematology image from Noel and a hookworm image from Gary) are prominently featured on the cover of the book.

Photo:L to R- **Dr. Gary Conboy**, Rob DeWolfe, Dr. Greg Keefe, Dr. Michelle Evason, Dr. Jason Stull and **Dr. Noel Clancey**.



Invited Speaker at the 2019 ACVP and ASVCP Annual Meeting



Dr. Gary Conboy was an invited speaker at the annual meeting of the American College of Veterinary Pathologists/American Society for Clinical Pathology held in San Antonio, Texas, on November 9-13, 2019. His talk, “Identification of Metazoan Parasites in Histologic Sections” occurred during the mystery slide session on November 11. A topic of great interest to pathologists, a manuscript based on the substance of the presentation is being prepared for submission for publication.

Photo: L to R: Session moderators Drs. Tanya LeRoith and Francisco Caravallo, **Dr. Gary Conboy**

Departments of Biomedical Sciences & Pathology & Microbiology
2020 Winter Seminar Series
Tuesdays, 1:30 pm

Date	Topic	Presenter(s)
February 4	Prevalence of <i>Coxiella burnetii</i> in feline population on Prince Edward Island	Stephanie Maloney Companion Animals
February 11	A comparison of the diagnosis and clinical features of feline lymphomas	Brodie Reinhart Pathology & Microbiology
February 18	Use of an <i>In vitro</i> Larval Motility Assay to screen for anthelmintic efficacy against metastrongyloids of dogs and cats	Haifaa Mahjoub Pathology & Microbiology
February 25	The effects of <i>L. salmonis</i> and <i>M. viscosa</i> co-infection on the expression of immune relevant genes	Kathleen Parrish Pathology & Microbiology
March 3	Further investigations of Metastrongyloid Transmission Routes	Will Robbins Biomedical Sciences
March 10	Effect of hypoxia/anoxia and cadmium on rainbow trout (<i>Oncorhynchus mykiss</i>) liver mitochondria reactive oxygen species (ROS) production	Chidozie Okoye Biomedical Sciences
March 17	Induction of silent natural products biosynthesis using surface-active molecules in marine <i>Streptomyces</i>	Zacharie Maw Biomedical Sciences
March 24	Temperature-dependent natural Products biosynthesis in streptomycetes	Anna Kuznetsova Biomedical Sciences
March 31	Arachidonic acid pathway of inflammation and angiogenesis in feline oral squamous cell carcinoma	Walaa Nasry Pathology & Microbiology
Co-ordinators of the departmental seminar series are Drs. Noel Clancey and Tammy Muirhead.		

Publications

Fernandez NJ, **Gilroy CV**, Wagg CR, Kwong GPS, Roy MF. Intra-and inter-rater agreement for the detection of band neutrophils and toxic change in horses. *Veterinary Clinical Pathology* 2019; 48: 668-676.

MacKinnon B, Groman D, **Fast MD**, Manning AJ, Jones P, MacKinnon AM, St-Hilaire S. Transmission experiment in Atlantic salmon (*Salmo salar*) with an Atlantic Canadian isolate of *Moritella viscosa*. <https://doi.org/10.1016/J.aquaculture.2019.734547>.

Brown ABJ, **Whyte S**, Braden LM, Groman DB, **Purcell SL**, **Fast M**. Vaccination strategy is an important determinant in immunological outcome and survival in Arctic charr (*Salvelinus alpinus*) when challenged with atypical *Aeromonas salmonicida*. <https://doi.org/10.1016/J.aquaculture.2019.734838>.

Ignatz EH, Braden LM, Benfey TJ, Caballero-Solares A, Hori TS, Runighan CD, **Fast MD**, Westcott JD, Rise ML. Impact of rearing temperature on the innate antiviral immune response of growth hormone transgenic female triploid Atlantic salmon (*Salmo salar*). <https://doi.org/10.1016/j.fsi.2019.12.081>.

Foote KD, **Gilroy C**, **Burton S**, **Horney B**, **Lopez A**, Savidge C, Goff T. Zinc toxicosis-associated hemolytic anemia and pancreatic disease in two dogs. *Canadian Veterinary Journal* 2020; 61:147-152.

For comments or suggestions for our newsletter, please contact: Dr. Fred Kibenge (kibenge@upei.ca) or

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