

Chair's Christmas Message



I would like to extend a heartfelt thank you to all the faculty, staff, and students that have made 2021 a success for the Department of Pathology and Microbiology. It has been a difficult year; we hoped it would be less like 2020 than it turned out to be. Here's to us all turning the corner of this global pandemic and 2022 being a breath of fresh air, and, for a change, ending better than it started. Despite the difficulties we have endured we must not forget how lucky we are to call PEI our home. We have all had our ups and downs from welcoming new family, friends, and coworkers in to our lives to losing some that are very close to us. Lets think of them all at this time of year. I wish you all a relaxing, comforting and joy-filled holiday season.
Mark Fast



A Little Christmas Sweater Fun



Faculty, students, and staff of the Pathology and Microbiology department decided to have a little fun and put on their Christmas attire.

Back row (left-right): Drs. Noel Clancey, Megan Jones, Amanda Clark, Ms. Karen Roche, Drs. Melanie Buote and Russell Fraser.

Front row (left-right): Ms. Ingrid MacLeod, Ms. Darlene Jones, Dr. Shannon Martinson.

2021 Pathology and Microbiology Entry in the AVC Holiday Door Decorating Contest



Dr. Melanie Buote Recommended for Tenure



Congratulations to **Dr. Melanie Buote** who was recommended by the University Review Committee to the President of UPEI to be granted tenure. Congratulations Melanie!

Dr. Brodie Reinhart Successfully Defends MVSc Thesis



Congratulations to **Dr. Brodie Reinhart** who successfully defended his MVSc project report entitled, "Impact on Canine White Blood Cell Preservation with Addition of Bovine Serum Albumin to K3-EDTA Whole Blood Samples" on December 13, 2021. Brodie was co-supervised by Drs. Noel Clancey and Cora Gilroy. Dr. Shannon Martinson chaired the examination committee.

Congratulations Brodie!

Dr. David Groman Presents at the Atlantic Canada Fish Farmers Association Annual Meeting



The Atlantic Canadian Fish Farmers Association recently organized the 2021 Aquaculture Research, Science and Technology Forum as a two-day hybrid event with limited in-person attendance. The conference ran from October 27-28, 2021 at the Huntsman Marine Science Centre in St. Andrews, New Brunswick. **Dr. David Groman**, representing Aquatic Diagnostic Services at the AVC, presented a talk titled "Aquatic Diagnostic Capacity and Testing Quality Assurance: Are We Ready for the Projected Growth of Aquaculture in Atlantic Canada?"

Pathology Training of Small Animal Residents



The small animal medicine residents (Drs. Stipe Jelovcic, Stephanie Maloney and Bryan Welch) and a surgery resident (Dr. Meagan Walker) from the Department of Companion Animals enjoyed an intensive week of pathology training from December 6-10, 2021. The clinical pathology sessions were led by **Drs. Shelley Burton and Noel Clancey**. Anatomic pathology training was provided by **Drs. Shannon Martinson, Melanie Buote, Chelsea Martin, Andrea Bourque and Russell Fraser**. This week partly or fully meets requirements for time spent with American College of Veterinary Pathologists (ACVP) boarded pathologists in residency pro-

grams accredited by the American College of Veterinary Internal Medicine (ACVIM) or the American College of Veterinary Surgery (ACVS).

Photo (left-right): Drs. Meagan Walker, Stephanie Maloney, Shelley Burton, Bryan Welch, Noel Clancey, Stipe Jelovcic and Shannon Martinson.

2021 Chinook Project Report



The Chinook Project group had planned to visit Port Hope Simpson in June, which would have been the first visit to this community in southern Labrador. The veterinarians leading the team were Dr. Marti Hopson and Dr. Stephanie Landry, a new participant from the Atlantic Veterinary College. Dr. Becky Jackson in Goose Bay, Labrador, would also help coordinate the project and assist with some clinic days. Four veterinary students (from Newfoundland, New Brunswick, Nova Scotia, and Prince Edward Island) were enrolled in the rotation. Once again, the success of the trip also would heavily depend on local coordination in the community, which was in place. We were looking forward to meeting people in this community we had not visited previously.

Despite hoping it would be possible, in late April it became apparent that the Chinook Project clinic would need to be cancelled yet again due to COVID-19 as travel between the Atlantic Provinces continued to be restricted to essential

travel only. Sponsoring companies (Boehringer-Ingelheim and Zoetis) were kept apprised of the situation, and no product support was utilized this year. Similar to 2020, company representatives were very understanding and renewed their willingness to help in the future.

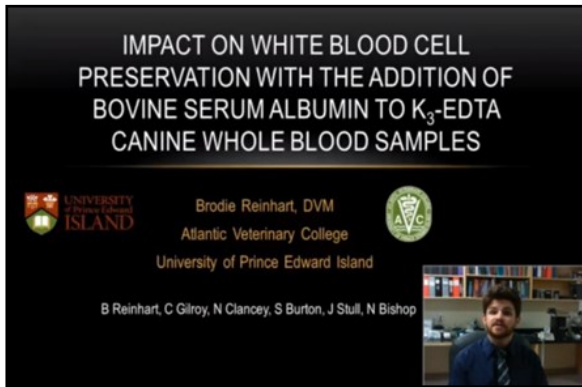
The Chinook Project is in the process of making plans for 2022, when we hope to return to Labrador and hold a clinic in Port Hope Simpson. People from neighbouring communities would be able to access the clinic by road.

The project continues to grow, with strong participation in clinics (exceptions of 2020 and 2021) and increased collaboration and research opportunities. Over the last several years that clinics were held, we have seen a decrease in the number of animals presenting for surgery but continue to receive invitations from several communities. We have also focussed on expanding the project mandate for humane education and community involvement.

We will continue to look for collaborative opportunities with Veterinarians without Borders (VwB) and other groups and hope to see a national strategy for access to veterinary care emerge. We participated in VwB panel discussions in 2017, 2018 and 2020, and continue to provide information and propose ideas. Also, we are interested in future research opportunities and developing a humane education plan.



Clinical Pathology Conference Presentations and Awards



Dr. Brodie Reinhart, a third-year clinical pathology resident, delivered two presentations at recent online conferences. The first was a mystery case of sabulous cystitis in a horse, presented at the European Society of Veterinary Clinical Pathology and European College of Veterinary Clinical Pathology Online Congress which was October 13-16, 2021. The second was a platform presentation on the impact on canine white blood cell preservation with addition of bovine serum albumin to K₃-EDTA whole blood samples. This occurred at the annual meeting of the American College of Veterinary Pathologists

and American Society for Veterinary Clinical Pathology (ASVCP) online conference which was held October 30-November 2, 2021.

Dr. Reinhart received a 2021 ASVCP Share the Future

Presentation Grant for his presentation, as well as an ASVCP Young Investigator Award.

Congratulations, Brodie!



Pathology and Microbiology Welcomes Dr. Darren Wood

Dr. Darren Wood joined the clinical pathology team for two weeks in November, providing support during Dr. Cora Gilroy's sabbatical. Dr. Wood is originally from PEI and is a faculty member at the Ontario Veterinary College in Guelph, Ontario.

Publications

Canuti M, Bouchard É, Rodrigues B, Whitney HG, Hopson M, **Gilroy C**, Stenson G, Dufour SC, Lang AS, Verhoeven JTP. Newlavirus, a novel, highly prevalent, and highly diverse protoparvovirus of foxes (*Vulpes* spp.). Viruses 2021; 13, 1969. <https://doi.org/10.3390/v13101969>

Nazeer N, Simmons JR, Rainey JK, **Rodriguez-Lecompte JC**, Ahmed M. Antibacterial activities of physiologically stable, self-assembled peptide nanoparticles. Royal Society of Chemistry 2021. DOI: 10.1039/d1tb01864g.

For comments or suggestions for our newsletter, please contact: Dr. Russell Fraser (rufraser@upei.ca) or Ingrid MacLeod (imacleod@upei.ca) (902) 566-0541.

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