

RESEARCH & GRADUATE NEWS



NEWS & EVENTS

ISSUE 14 | JANUARY 2023

CONGRATULATIONS TO OUR FALL 2022 GRADUATES:

Samantha Zayas
DVM/MSc by Research

Ian Branford
MSc by Research

Yash Patel
One Health Certificate

Trevor Gilbert
MSc by Research



SCHOLARSHIP: MAF AWARD

CONGRATULATIONS DAZJAH SAMUELS!

Congratulations to DVM student Dazjah Samuels for not only being awarded the 2022 Morris Animal Foundation Scholarship, but also appointed as a Foundation for Food and Agriculture Research (FFAR) 2022 Vet Fellow. Under the supervision of Dr. Sarah Hooper, Dazjah's research is entitled, "You Are What You 'bat'sorbing, Using non-targeted Metabolomics to Identify Emerging Environmental Pollution Threats to Bats".





FACULTY HIGHLIGHT

RUSVM Faculty, Sarah M. Cavanaugh, Ryan P. Cavanaugh, Aline B. Vieira, and Jennifer K. Ketzis's Study: *Commercial Extruded Plant-Based Diet Lowers Circulating Levels of Trimethylamine N-Oxide (TMAO) Precursors in Healthy Dogs: A Pilot Study* was recently selected to be included in Frontiers of Veterinary Science collection, **Women in Animal Nutrition and Metabolism: 2021**. Frontier's 'Women In' collection highlights the work of women working across veterinary science, specifically in this case, in animal nutrition and metabolism.

Article details can be found [here](#).



RESEARCH DAY HIGHLIGHT

Here's a quick look at how we spent our November here at RUSVM! A day filled with student research projects for our annual Research Day, followed by an evening of amazing speakers under the theme of Diversity, Equity & Inclusion within One Health.

POSTER WINNERS

1st Place Michelle Marinich (DVM) Influence of modified-live primo-vaccination on fecal parvovirus antigen test results in 17 healthy dogs. Supervisor: Dr Juliette Bouillion

2nd Place Katelynn Gilbert (DVM) Flunixin meglumine appears to be more effective than phenylbutazone in managing Supervisors: Drs Cynthia Xue, Lorenzo Segabinazzi, Hilari French, Rob Gilbert Postoperative adverse events in jennies (Equus asinus) undergoing

3rd Place Jiashi Feng (DVM) Supervisors: Drs Ananda Muller, Marcus Machado, Aline Vieira

3MT WINNERS & PEOPLE'S CHOICE AWARD

1st Place Elsie Washburn (DVM/MSc by research candidate) Title: If time is money, should we spend or save? Supervisor: Dr Sarah Hooper

2nd Place Liam Kitson (DVM/MSc by research candidate) Title: Tiny kittens, and tinier bacteria: exploring the blood microbiome Supervisor: Dr Ananda Muller

INFOGRAPHIC WINNER

Roulex Owino MSc in One Health (online) Title: Brucellosis





JOURNAL CLUB SPRING SEMESTER

Journal club is a platform available through Canvas (RUSVM Journal Club) to present and share our research proposals, recent peer review publications, as well as ongoing research projects and collaborations with our faculty and student community. The sessions also provide our graduate students the opportunity to present their work with assistance from their faculty advisors.

DATES FOR JOURNAL CLUB THIS TERM:

- January 18
- February 1
- February 15
- March 1
- March 15

If you're interested in the presenting a topic of research at Journal club this semester, you may sign up [here](#).

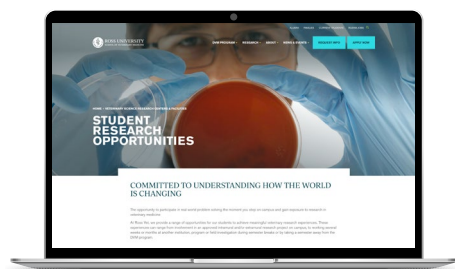
ROSSIES IN RESEARCH

Students involved in research over the Fall 2022 semester:

Research Assistants: 12

Research Volunteers: 85

Interested in getting involved with research? Learn more about our [Student Research Opportunities](#) or email research@rossu.edu.kn with questions.



STUDENT PRESENTATIONS

Feng J., Rosayro R., Peda A., Alonso F., Bolfa P. Primary pulmonary adenocarcinoma with renal metastasis and hypertrophic osteopathy in a dog. ACVP Annual meeting 12-15 November 2022 (**poster**)

James D., Kelly S., Armien AG., Kelly P., Lawrence M., Bolfa P. Tropical Keratopathy is a disorder of the anterior corneal stroma in the African green money (chlorocebus sabaeus) ACVP annual meeting 12-15 November 2022 (**oral**)



STUDENT PUBLICATIONS

Cameron-Blake, N.M., Malatji, M.P., Chapwanya, A., and Mukaratirwa, S. (2022). Epidemiology, prevention and control of gastrointestinal helminths of small ruminants in the Caribbean region—a scoping review. *Tropical Animal Health and Production* 54(6), 372. doi: 10.1007/s11250-022-03363-9.

Escobar, A., Dzikiti, B.T., Thorogood, J.C., Bailey, S., and Maney, J.K. (2022). Effects of two continuous infusion doses of lidocaine on the isoflurane minimum anesthetic concentration in chickens. *Veterinary Anaesthesia and Analgesia*. doi: <https://doi.org/10.1016/j.vaa.2022.11.002>.

French, H., Segabinazzi, L., Middlebrooks, B.M., Peterson, E., Schulman, M., Roth, R., et al. (2022). Efficacy and Safety of Native and Recombinant Zona Pellucida Immunocontraceptive Vaccines Formulated with Non-Freund's Adjuvants in Donkeys *Vaccines* 10(12), 1999.

Gainor, K.P., Fortuna, Y.C.P.D., Alakkaparambil, A.S.I., González, W., Malik, Y.S., and Ghosh, S. (2022). High Rates of Detection and Molecular Characterization of Porcine Adenovirus Serotype 5 (Porcine mastadenovirus C) from Diarrheic Pigs. *Pathogens* 11(10), 1210.

Ketzis JK, L.S., Wulcan JM (MSc) (2022). "Miscellaneous Nematode Infections.," in Sykes J (ed) *Greene's Infectious Diseases of the Dog and Cat, 5th ed. Elsevier.*

Knobel, D.L., Conan, A., Toka, F.N., Arega, S.M.P., Byaruhanga, C., Ogola, E., et al. (2022). Sex-differential non-specific effects of adjuvanted and non-adjuvanted rabies vaccines versus placebo on all-cause mortality in dogs (NERVE-Dog study): a study protocol for a randomized controlled trial with a nested case-control study. *BMC Veterinary Research* 18(1), 363. doi: 10.1186/s12917-022-03455-6.