CONGRATULATIONS TO OUR NEW GRADUATES FROM SUMMER 2023

Leia Gong
MSc by Coursework in One Health/ Potential pathogen transmission associated with domestic pet relocation from Central America and the Caribbean to the United States following natural disasters (Supervisor: Ketzis)

Dr. James Fairs
MSc by Research/Evaluation of High-Fidelity Models Used to Teach Small Animal Dental Skills to Pre-Clinical Veterinary Students (Supervisors: Artemiou, Conan, Gingerach)

JOURNAL CLUB
SUMMER SEMESTER
If you’re interested in the presenting at Journal club this semester, sign up at: POV Journal Club Fall 2023—Google Sheets. Dates for Journal Club are:

DATES FOR JOURNAL CLUB ARE:
• 20th September
• 4th October
• 18th October
• 1st November
• 15th November

WELCOME TO OUR NEW STUDENTS WHO HAVE RECENTLY JOINED US

Pavly Fayek
DVM/MSc by Research/Endometrial microbiome signatures of estrous cyclicity in dairy cattle (Supervisors: Chapwanya, Whiston) and our MSc by Coursework in One Health (online) new students starting September Jenna Meyer and Katia Delgado Lopez.
Four of our students were selected to present their research at the prestigious 2023 National Veterinary Student Symposium (NVSS), Puerto Rico, 3–6th August 2023.

Liam Kitson (DVM/MSc and Boehringer Ingelheim Veterinary Scholar 2023) Unravelling the blood bacterial microbiome in healthy and febrile domestic cats via 16S rRNA metagenomics (Supervisor: Dr Muller)

Carla Joseph (DVM/MSc and AVMA Foundation for Food and Agriculture Research Scholar 2023) Effect of autologous platelet-rich plasma (PRP) on the endometrial inflammatory response and fertility of jennies inseminated with donkey cryopreserved semen (Supervisor: Dr Segabinazzi)

Diane Mancuso (DVM/MSc and Boehringer Ingelheim Veterinary Scholar 2023) Hunting for Novel and Zoonotic/Anthroponotic Adenoviruses in African Green Monkeys and Bats on the Caribbean Island of St. Kitts (Supervisor: Dr Ghosh)

Dazjah Samuels (DVM and AVMA Foundation for Food and Agriculture Research Scholar 2022) You Are What You ‘bat’sorbing, Using non-targeted Metabolomics to Identify Emerging Environmental Pollution Threats to Bats” (Supervisor: Dr Hooper)

Chris Biancaniello (DVM) received the Best Student Short Communication Award at the VetEd Symposium, 2023 Edinburgh, Scotland. July 6th 2023 for his project entitled ‘Readability scores of postsurgical discharge instructions correlate to postoperative complications in companion animals undergoing sterilization.’ #RUSVMResearch #RossVetLife

ROSSIES IN RESEARCH

Students involved in Research over the Summer 2023 semester:

Research Assistants: 21
Research Volunteers: 131

Research week (30th October–3rd November) is where we invite our students to showcase their research with prizes for best 3 Minute Thesis, Posters and Infographic displays. Come out to show your support and cast your votes!

Mark your calendar for RUSVM Student Research Day, Wednesday 1st November at 12:00 Midday Auditorium, for our 3 Minute Thesis competition and Keynote Speaker Dr. Temple Grandin. Watch out for more news around further events coming soon!

Contact us at research@rossvet.edu.kn or stop by the office (Research, Finance & Operations building)
**READABILITY AND POST-OP COMPLICATIONS**

**What is Readability?**
Readability is a measure of how easy a text is to read. It can be assessed on a grade level basis using various programs.

More than half of Americans read below a 6th grade reading level. Which leads to the question, are pet owners able to read their pet’s post operative discharge instructions?

By conducting a retrospective study of discharge instructions from RUSVM’s spay lab. The Flesch Kincaid grade level software determined that the majority of discharge instructions scored higher than a 6th grade reading level.

**WHAT DOES THIS MEAN FOR OUR PATIENTS?**
It was found that overall there was a significant association between the readability grade level and the incidence of post operative complications when using the Chi-squared test (p=0.018).

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**STUDENT PUBLICATIONS:**


**Corey, T.M.** (DVM/MSc), Illanes, O., Lawrence, M., Perez, S.E., Liddie, S., and **Callanan, J.J.** Naturally occurring histological findings and Alzheimer-like pathology in the brain of aging African Green Monkeys (Chlorocebus sabaeus). *Journal of Comparative Neurology* doi: https://doi.org/10.1002/cne.25494.


**Yang, N.** (PhD), **Matthew, M.A.** (PhD), and Yao, C. (2023). Roles of cysteine proteases in biology and pathogenesis of parasites. *Microorganisms* 11(6), 1397.
**STUDENT PRESENTATIONS:**


**Gainor K., Castillo-Fortuna Y., Gonzalez W., Ghosh S.** First Report on Detection and Complete Genomic Analysis of Porcine circovirus 2d (PCV2d) and Porcine circovirus 3 (PCV3) in Diarrheic Pigs from the Caribbean Region. ASV Annual Conference, University of Georgia, Athens GA June 24–28 2023 (poster)


**Rivera-Perez C., Mignucci A., Dennis M., Freeman M.** Potential use of an endoparasite of West Indian manatees (Trichehus manatus) from Puerto Rico and Florida as a biological tag of their population and distribution. 40th Scientific Meeting Association of Marine Laboratories of the Caribbean (AMLC). St Kitts May 22–26 2023 (poster)

**Rivers M., Ketzis J., Bolfa P.** General survey of internal parasites collected in Rattus rattus and Rattus norvegicus in the Eastern Caribbean. 2023 AAVP Conference Lexington, Kentucky 10th–13th June 2023 (oral)

**Samuels D., Ragland N., Hooper S.** You Are What You 'Bat'sorbing, Using Non-targeted Metabolomics to Identify Emerging Environmental Pollution Threats to Bats. AAVMC Veterinary Scholars Symposium. San Juan, Puerto Rico Aug 3–5, 2023 (poster)