NEWS and MEDIA

Dr. Katie Clow, a PhD Candidate in the Jardine Lab, had the opportunity to attend the One Health Ecohealth Congress in Melbourne, Australia this past December. This congress was the first time the One Health and Ecohealth communities came together, and they explored key global challenges including emerging infectious diseases, antimicrobial resistance, food safety and security, and climate change. Prior to the conference, Katie took an Ecohealth short course, where she got to visit a colony of over 10,000 fruit bats! At the conference, Katie presented two oral presentations on her research on Lyme disease ecology and surveillance, and participated in the development of an aspirational statement by early career scholars.

Support for poultry health—Vic and Uta Parks have donated almost $40,000 to be used in the area of most need for the Poultry Health Research Network >> article

MORE NEWS: | OVC NEWS | OVC BULLETIN | U of G Campus News |

CONGRATULATIONS

Million-Dollar Research Studies Aim to Combat Antibiotic Resistance
Drs. Patrick Boerlin and Scott Weese, both pathobiology professors in the Ontario Veterinary College, will receive funding from the Canadian Institutes of Health Research to look at the risks of infections from animals and how people can avoid disease. >> U of G News

Rachel Imai, Msc with Dr. John Barta, received an NSERC CREATE scholarship of ~ $6700 for the Integrated Training Program in Infectious Diseases, Food Safety and Public Policy (ITraP) at the University of Saskatchewan. Also through this I have been invited to be a trainee in the One Health Summer School, to be held at the School of Veterinary Medicine and Animal Science of the São Paulo State University (UNESP) in May.

Congratulations to graduate students Mei-Hua Hwang and Pauline Zhang for their presentations last week in OVC’s 3MT® heat. >> OVC Bulletin

The University of Guelph’s Ontario Veterinary College (OVC) has placed sixth world-wide, and tops in Canada, in a new global ranking of universities. >> OVC Bulletin

LEFT PHOTO: Monica Baquero’s (PhD in Plattner’s lab) little girl, Elena Garcia-Baquero, born Friday Feb 17th. Everyone is doing great!

RIGHT PHOTO: This is what academic leave and retirement looks like in 2017!! (Brandon Lillie and Dale Smith)
RECENT PUBLICATIONS

NetF-producing Clostridium perfringens: Clonality and plasmid pathogenicity loci analysis.
Mehdizadeh Gohari I, Kropinski AM, Weese SJ, Whitehead AE, Parreira VR, Boerlin P, Prescott JF.

ABSTRACT (excerpt)
Clostridium perfringens is an important cause of foal necrotizing enteritis and canine acute hemorrhagic diarrhea. A major virulence determinant of the strains associated with these diseases appears to be a beta-sheet pore-forming toxin, NetF, encoded within a pathogenicity locus (NetF locus) on a large tcp-conjugative plasmid. 

Endothelial protein C receptor-dependent antichemotactic effects of canine protein C.
Wong VM, Côté O, Bienzle D, Hayes MA, Wood RD.

ABSTRACT (excerpt)
OBJECTIVE To determine whether canine protein C (CnPC) had antichemotactic effects on canine neutrophils, whether endothelial protein C receptor (EPCR) was expressed on canine neutrophils, and the role of EPCR in neutrophil chemotaxis. SAMPLE Neutrophils isolated from blood samples from healthy dogs (n = 6) and sick dogs with (2) or without (3) an inflammatory leukogram. PROCEDURES Neutrophils were analyzed by reverse transcriptase PCR assay and flow cytometry for detection of EPCR mRNA and protein expression, respectively.

Characterization of Innate Responses Induced by PLGA Encapsulated - and Soluble TLR Ligands In Vitro and In Vivo in Chickens.
Alkie TN, Taha-Abdelaziz K, Barjesteh N, Bavananthasivam J, Hodgins DC, Sharif S.

ABSTRACT (excerpt)
Natural or synthetic Toll-like receptor (TLR) ligands trigger innate responses by interacting with distinct TLRs. TLR ligands can thus serve as vaccine adjuvants or stand-alone antimicrobial agents. One of the limitations of TLR ligands for clinical application is their short half-life and rapid clearance from the body.

GRAD STUDENT CORNER

FINAL EXAMINATIONS
Watch for email announcements
Graduate seminars — see upcoming events

IMPORTANT DATES

Feb 17 Graduation applications deadline (avoid late fees)
Students that are planning on finishing their program and graduating in Summer 2017 at Summer convocation (June 2017) and have not applied to graduate - the last date to do this on Webadvisor is March 10, 2017. (late fee applies after Feb 17th).

Mar 10 Last day to drop one semester course

Mar 6-Apr 1 Summer 2017 Course Selection period

All Graduate Students using WebAdvisor

Registration is in two parts:

Part I:
Register into your courses UNIV*7500-Research and Writing & UNIV*7510- Full-time Student or UNIV*7520 Part-time Student.

Part II:
Graduate Settlement due this now to avoid being charged a late fee.
RESEARCH HIGHLIGHT

Genotype analysis to evaluate the occurrence of drug resistance in heartworms infecting dogs in Ontario

Drug resistance has recently been described in heartworm parasites in the Mississippi River Valley.

Blood samples are being collected from dogs infected with heartworm in Ontario and sent to McGill University where the parasites (microfilariae) are analyzed for potential genetic markers for resistance. Information collected through medical history questionnaires will be combined with the genetic analysis to determine the utility of the genetic markers for identifying drug-resistant infections, and to identify risk factors for dogs contracting drug-resistant parasites.

Researcher: Dr. Andrew Peregrine

Invitation to participate in Student Housing Services initiative, House Calls

U of G’s Student Housing Services is extending an invitation to participate in a new initiative, House Calls.

House calls is an opportunity for faculty, staff, coaches, student leaders, alumni and others who want to help our students to come visit students in their residence rooms. It is an effort to reach out to our students to show them the University cares and to support them as they enter into their final few weeks of the semester.

As a House Caller, you would be partnered up with a Residence Life Staff member and asked to visit students in their communities. Our goals are to check in, see how they’re doing, ask them about their year and provide them with resources to help them succeed with the rest of the semester.

>> more details

W17 Scholarship Awards

Did you receive an award? Please provide a copy to the Donna for your file and to Nathalie to include in the newsletter.

REMEMBERS

Please make sure that you get all the signatures from your committee members before submitting your semester report to the Graduate Program Assistant Donna Kangas will get the signature from the Graduate Coordinator. You can submit your forms in an envelope in Donna’s mailbox on the third floor in Pathobiology. They will be picked up once a day.

READ YOUR UoG Email DAILY: This is how the Department of Pathobiology and other Departments of the University of Guelph contacts you.

MAILBOX: Pick up your mail on a daily or weekly bases. If you are not here, please make arrangements to have your mail picked up for you.

MOVING? Let Donna Kangas know.

PLEASE refrain from wearing any and all fragrance to work, as there are people in our Department that are extremely sensitive.

Donna Kangas Ext. 54725
Graduate Program Assistant - GPA
Population Medicine Building, Bldg #174
Pathobiology ovcas.gradpath@uoguelph.ca
dkangas@uoguelph.ca

>> more details
**PATHOBIOLOGY SEMINARS**

Seminars will take place at **11:30 am in PAHL room 1810**

Mar 3  
Jondavid de Jong, Pathobiology  
“Development of baculovirus CRISPR vector for gene and cell therapy” Host: S. Wootton

Mar 10  
Shawn Babiuk, CFIA, Winnipeg  
“The development of lumpy skin disease virus multivalent vaccine for sheep and goat pox, peste des petits ruminants and Rift Valley fever.” Host: S. Wootton

Mar 17  
Dr. Jim Uniacke, MCB, U of G  
“Translational Control and Oxygen-sensing in Cancer Progression” Host: S. Wootton

Mar 24  
11L30 am Megan Neely, MSc  
12 pm Ksenia Vulikh, MSc

Mar 31  
Dr. Jodi McGill, Kansas S. U. Host: B. Plattner

Apr 7  
Katie Clow, Pathobiology  
“Understanding the distribution, spread and influence of biotic and abiotic factors on *Ixodes scapularis* and the risk of Lyme disease in Ontario, Canada” Host: D. Jardine

**PHRN SEMINARS**

Mar 7  
Dr. Mike Joyce, Poultry Veterinarian Vet Consulting Services, Ontario 12:30pm

Apr 24  
PHRN Research Day  
9:30 am - 3:30 pm Arboretum >> details

**UPCOMING EVENTS**

**Global Vet**  
**Silent Auction**

**MARCH 6 12:30-1:30 LLC 1715 and Cafeteria**

**DEPARTMENT REMINDERS**

The next refrigerator clean up will be taking place on March 20th. Please remove all expired items before March 20 and label everything that you would like to have remain in the fridge. As usual all questionable, unlabeled items and their containers will be thrown out. The biggest offender at the holiday fridge clean up were cartons of spoiled milk - I would be very grateful if those could be taken care of before the 20th. Thank you for your co-operation.

**NEWS from OVC Centres and More**

- **OVC Bulletin**
- **Campbell Centre for Animal Welfare**
- **Centre for Cardiovascular Investigations**
- **Centre for Public Health and Zoonoses**
- **Equine Guelph**
- **Institute for Comparative Cancer Investigations**
- **OAHN**
- **OVC Pet Trust**
- **Poultry Health Research Network**
- **B4uGetaPet**
- **Worms and Germs**

**GRANT OPPORTUNITIES**

**INTERNAL**

- **Pet Trust Research Competition**  
  Deadline: See link above for schedule of dates

**EXTERNAL**

- **CIHR Project Review**  
- **Canadian Institutes of Health Research - Institute of Cancer Research**  
  Deadline: various. see website.

**OVC-HSC Medical Records Information from 1983 - 2007 will be destroyed due to lack of storage and cost**

Currently, OVC HSC is using a commercial off-site storage company to store medical records from client owned animals pertaining to admit years 1983 to 2007.

Due to infrequent use and ongoing costs, the College has determined that the records will be destroyed effective May 1st, 2017. If you would like to withdraw specific records before the destruction date, please contact Tanis Comrie (tcomrie@ovc.uoguelph.ca) by Monday, April 3, 2017.

**Contact Nathalie**

- newsletter submissions
- OVC website updates
- research posters
- research websites
- teaching rooms and resources