

APRIL
2015

The Department of
Pathobiology

THE PATHOBIOLOGIST

Chair's Note

I write this during a discussion at Senate regarding differentiation, internationalism and budgets. All weighty stuff that will affect Guelph and PABI.

The university budget is balanced for this year however demographics and costs will potentially realize future MYPs that may involve cuts, however the traditional approach based on attrition will not be sustainable. 'Structural changes' are highly likely coming to the university.

On the plus side you will find several examples of success on the part of our faculty and trainees in the adjacent column and this does bode well for PABI.

A special thanks to Leo Susta who stepped in on very short notice to successfully teach the Phase III Poultry Elective!

Spring is coming!
John S. Lumsden

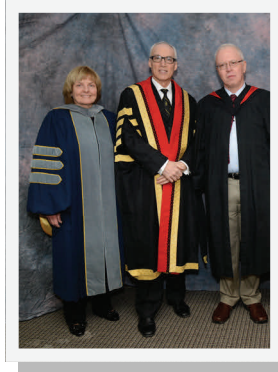
In Memoriam



Dr. Joan Budd, OVC'50, was a faculty member in Pathobiology as an Associate Professor in wildlife

pathology. Dr. Budd was also a founder of OVC's programs in wildlife and fish diseases and served as a member of the Mammalian and Avian Pest Management Committee with the Ontario Ministry of the Environment. Her contributions were recognized by receipt of a distinguished service award from the Wildlife Disease Association. She celebrated her 100th birthday in November of 2011. A memorial celebration of Joan's life will be held on Saturday April 11 at 2:00 pm at the Cuten Fields, 190 College Ave, E, Guelph, ON.

Congratulations and Good News



The distinction of University Professor Emeritus was given to **Dr. John F. Prescott** at the OVC Winter Convocation on February 19th. The prime criteria for UPE is sustained and outstanding scholarship of such a level that it is recognized internationally. John's career spans 38 years with the university. Watch convocation, and John's address to students, at <https://www.youtube.com/watch?v=05F3fiYwvH4>. (*Elizabeth Stone, Franco Vaccarino, John Prescott, photo by Jane Dawkins*)

Drs. Bruce Wilkie and Pat Shewen's research, which led to the Presponse vaccine for shipping fever in cattle, is one of the top 50 contributions by Ontario Universities as determined by the Council of Ontario Universities Research Matters Campaign! This break-through was one of five from the University of Guelph that were judged to have most changed the lives of Ontarians. Voting will now occur throughout the summer to determine the public's top five favourites. For further information visit <https://www.uoguelph.ca/cpa/wp/2015/04/voting-begins-for-game-changing-discoveries/>.

Dr. Jeff Caswell was awarded the Zoetis Research Award for OVC this year. Recognition for his research on innate immunity and pneumonia.

Dr. Brandon Lillie was granted Associate Professor status, tenure is effective July 1st.

Drs. Patrick Boerlin, who will study molecular epidemiology of antimicrobial resistance plasmids in bacteria from animals, and **Nicole Nemeth**, who will examine vector and vertebrate host dynamics of Powassan virus in Ontario, received NSERC Discovery Grants.

Dr. Sarah Wootton received a Cystic Fibrosis Canada Grant of \$157,674 over two years to study nuclease-based gene therapy for permanent correction of CF.

Joelle Ingrao, PhD in Sarah Wootton's lab, was awarded The 1989 Ecole Polytechnique Commemorative award from the Canadian Federation of University Women.

Dr. Dorothee Bienzle was featured in March 2015 issue of BD Accuri News, read the article at <http://www.bdbiosciences.com/br/instruments/accuri/articles/index.jsp>.

Dr. Patricia Turner received \$38,300USD funding from the National Pork Board to examine refinements to mitigate pain associated with commercial piglet processing.

Dr. Ravi Kulkarni recently joined the Pathobiology department as PHRN (Poultry Health Research Network) Coordinator. His research expertise and interests are in poultry health, disease and vaccines. Ravi completed a PhD in Pathobiology and worked at the Emory Vaccine Centre in Georgia. Articles regarding the PHRN and Ravi's arrival have been announced in *Canadian Poultry*, *AG ANNEX Agri News* and *World Poultry*. Check out the PHRN website <https://www.uoguelph.ca/phrn/content/poultry-health-research-network>. His office is room 4821, ext. 54759. Drop by and say hello!



Pathobiology Seminar Series

Fridays at 11:00 am in Room 1810, unless otherwise noted.

Fri. Apr. 3, Good Friday, there will be no seminar.

Fri. Apr. 10, Kristin Bondo, PhD Candidate, "Epidemiology of Salmonella and antimicrobial resistance in raccoons and their environment on swine farms and conservation areas".

Fri. Apr. 17, Roger K. Prichard, Professor, Institute of Parasitology, McGill University, Ste Anne de Bellevue, Quebec, "Anthelmintic resistance in *Haemonchus contortus*: Advances in understanding and molecular detection of benzimidazole, macrocyclic lactone and levamisole resistances".

Fri. Apr. 24, Lisa Santry, PhD Candidate, "Oncogenic to Oncolytic: Using viruses as tools to understand and treat cancer".

GRAD NEWS

Graduate Defenses, Oral Qualifying Exams

Mon. Apr. 27, Jegarubee Bavanan-thasivam, PhD Oral Qualifying exam, 9:30 am in room 4838.

Tues. Apr. 28, Mackenzie Slifierz, PhD Oral Qualifying exam, 9:30 am in room 1817.

Wed. Apr. 29, Emily Brouwer, DVSc Oral Qualifying exam, 9:30 am in room 4838.

Notices/Reminders

Course Selection period for Summer 2015 is now open using **WebAdvisor** from **April 1st to May 1st** - All Graduate Students should register now to avoid late fees.

Registration is 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 - if you

are paying by payroll deduction, must be completed by **May 1st** to avoid late fees.

Tues. April 21, Graduate Awards Ceremony, 6:30 pm, LLC.

A **mail box for SAS graduate programs**, Donna Kangas, has been set up in Pathobiology mail room #30; mail can be left there rather than using campus mail.

Remember to read your University of Guelph EMAIL! It's the way the UofG communicates. Not reading it can be costly.

Clean up your computer! Don't forget to periodically clean all the accumulated temporary files from your computer. Use the Accessories/System Tools/Disk clean-up function. **Remember to Back-Up your files too!**

Always Protect Your Login and Password! Neither CCS nor the University will ever ask for your password to be sent via email; Clicking onto unsolicited web links can contaminate your computer; Never enter your UofG password at a site you don't know or trust.

Faculty Workshops

Wed. Apr. 15, Faculty information exchange: Patenting 101, noon - 1 pm, UC 103. RSVP

Thurs. Apr. 16, Tools and strategies for managing your scholarly identity, noon - 1 pm. RSVP

Tues. Apr. 28, NSERC Discovery Grants workshop. Time: 8:30 am - noon. McLaughlin Library, Rooms 300A and 370. RSVP

Mon. May 11, CIHR Foundation Scheme second "live pilot" information session. Time: 2:00-4:30 pm, UC 442. RSVP

RSVP for all workshops to **Patti Minakis**, pminakis@uoguelph.ca.

For all room bookings in Pathobiology email roompath@uoguelph.ca

OVC Events

The OVC community is invited to attend a **Masterplan Feedback Opportunity** which will be presented on display boards in the Cafeteria on **Thursday April 9, 2015 from 9:30 AM- 1 PM**. To view progress on the planning process to date and provide further comments as part of the consultative process. The consultants will be present to answer questions and discuss the plan.

Thurs. Apr. 9, The 2015 Chappel Memorial Lecture will be presented by **Dr. Peter G. Wells** who will discuss "Oxidative stress and DNA damage in the fetal basis of adult disease". Wells is a professor at the University of Toronto in the Division of Biomolecular Sciences in the Faculty of Pharmacy, and in the Department of Pharmacology & Toxicology in the Faculty of Medicine; 3:30 pm, Room 1714 LLC, followed by a reception.

Sun. Apr. 19, Save the Date! Hill's OVC Nutrition Symposium 2015 Getting To Yes!! Practice Success and Better Health for Pets at Risk of Obesity and Osteoarthritis, Join Hill's® Pet Nutrition along with the following presenters: Wendy S. Myers; Jason Coe, DVM, PhD and Tom Gibson, DVM, DVSc, DACVS, 9:30 am - 4:30 pm, Rozanski Hall, Lunch will be provided. Registration is open! Please register soon as space is always limited at this annual symposium: <http://HillsOVC2015.Eventbrite.ca>. CE cer-

tificates will be provided to participants of this educational session.

Thurs. May 28, The Centre for Public Health and Zoonoses Biennial Public Health Symposium at the Hanlon Convention Centre, in Guelph. The event will feature many key participants from academia, provincial, federal and regional government groups whose mandate involves the public health aspects of human, animal and/or environmental health. CPHAZ will be hosting interactive poster sessions for graduate students again this year. These will involve a 3 minute presentation on the poster topic. Taking part in the interactive sessions will make the presenter eligible for the graduate student presentation awards. Posters/research topics can be any public health related theme, MSc, PhD, MPH and DVSc are all encouraged to submit an abstract for their poster. Key speakers this year include **Dr. Gerry Wright**, the Director of the Michael G. DeGroot Institute for Infectious Disease Research at McMaster University and **Dr. Allison McGeer**, the Director of Infection Control at Mount Sinai Hospital. To register go to <http://ovc.uoguelph.ca/cphaz/symposium/registration>.

University Events

Tues. April 21, Kenneth Hammond Lecture and Spring Sustainability Symposium, Guest speaker **Mark Stumborg**, consulting engineer, presents "Sustainable Agricultural Bio-products: Challenges and Opportunities." A wine and cheese reception will be held after the talk. 2:00 pm, Location: UC, Faculty Club, 5th floor.

NOTICE

Annual Campus Electrical Shutdown will be on Saturday April 25th. No room bookings are allowed. **Inquiries should be directed to either: Justin Selby**, ext. 56918, justin@pr.uoguelph.ca; or **Doug Doel**, ext. 53459, douglas@pr.uoguelph.ca.

HEALTH & SAFETY CORNER

LAB HOUSEKEEPING

To prevent accidents:

- ⇒ Dispose of unneeded and un-useable chemicals;
- ⇒ Dispose of unneeded equipment, glassware, papers, etc.;
- ⇒ Find a place for all equipment glassware and chemicals, and put them in their places;
- ⇒ Remove items blocking safety showers and eye wash stations;
- ⇒ Clean dirty dishes;
- ⇒ No food or drink in the lab;
- ⇒ Update your MSDS sheets regularly;
- ⇒ Resolve to tidy up your lab every week!

In an Emergency Dial 2000 or 519-840-5000 or 911.



Use hoods for experiments, not storage.



Keep lab benches free to avoid chemical spills.



Do not store chemical on the floor.