A free, public-outreach event to share perspectives and explore the animal-human relationship, including the use of animals for research and teaching.

Friday October 18, 2019
Saturday October 19, 2019

Holiday Inn Express & Suites
1838 College Drive, Building 2, Saskatoon, SK

This event includes: a Three Rs & Animal Research Trainee Symposium; Keynote International Speakers; a special evening session focused on ‘New Therapies & Diabetes Research’; and a full day event to explore ‘Ways of Knowing and Understanding the Animal-Human Relationship’.

Questions? Contact uacc.office@usask.ca.
Friday October 18, 2019
The Animal-Human Relationship: Three Rs & Animal Research

Trainee Symposium
7:30–8:30 am  Poster Set-up by Trainees and Attendee Registration

8:30–8:50 am  Welcome and Opening Remarks
• Dr. Irena Creed (PhD), Associate Vice-President Research, Office of the Vice-President Research
• Dr. Steven Jones (PhD), Associate Provost Health, USask Health Sciences
• Dr. Susan Blum (PhD), Associate Vice-President Research and Innovation, Saskatchewan Polytechnic
• Dr. Jane Alcorn (DVM, PhD), UACC Chair and Dean, Pharmacy and Nutrition

8:50–9:50 am  Oral Presentations by Trainees (PDFs, Graduate and Undergraduate Students, and Technicians)
Use of vertebrate animals in biomedical sciences
• Joseph Abrams – *3D Cell-Based Model of CPA Equilibration in Preantral Ovarian Follicle*
• Tat-Chuan Cham – *The establishment of in vitro testis organoid culture system using neonatal pig testis cells*
• Una Goncin – *Contrast-enhanced perfusion imaging in a teleost model organism, rainbow trout (Oncorhynchus mykiss)*
• Frankie Tu – *Real-time image analysis of bovine oocytes and nonhuman primate follicles through an Approximated Level-Set Method*

9:50–10:15 am  Animal research knowledge mobilization
• R. Cyril Roy – *Patterns and trends of animal use for experimentation in Canada*
• Siyu Ru – *Animal-Human Relationships and the Influences on the Health and Well-being of People: A Cross-Culture Perspective*

10:15–10:40 am  Break and Poster Presentations by Trainees
• Bethany Baker - *Investigating the effect of CO2 concentration on the efficacy of gaseous euthanasia of broiler chicks on day of hatch*
• Maria Cruz - *The Impact of Service Dogs in the Lives of Veterans Who Problematically Use Opioids*
• Sukanya Pati - *Evaluation of potent cytotoxic curcumin analogs as potent Methionine aminopeptidase 2 (MetAP2) inhibitors for treating colon cancers*
• Wallace Rourke, Abdul Salama & Stephanie Vuong – *Predicting oral absorption characteristics of Tetrahydrocannabivarin and Cannabichromene using Caco-2 and MDCK cells*
• Mohsen Sharafi – *The mitochondria SIRT protein (SIRT1) is involved in cryopreservation of rooster sperm*
10:40 am–11:52 am  Oral Presentations by Trainees

Three Rs research

• Asher Brandt – Pharmacology of GAT211 Enantiomeric Derivatives
• Alana Krug-MacLeod – Ethical Issues in Assessing Long-Term Effects of Temperature Stress and PCBs on Killdeer
• Mariana Meneguzzi – When less is more: In vitro organ culture as an improved tool to understand host-pathogen interactions
• Upkardeep Pandher – Agriculture Inhalation Exposures: Combination of Glyphosate with Lipopolysaccharide Induces Higher Inflammation in the Lungs of Mice
• Nicole Sylvain – Lessons Learned in the Kelly Lab: Increasing productivity and efficiency while decreasing animal numbers
• Wallace Rourke, Abdul Salama & Stephanie Vuong – Predicting oral absorption characteristics of Tetrahydrocannabivarin and Cannabichromene using Caco-2 and MDCK cells

11:55 am–12:20 pm  Additional Presentation (PENDING)

• Dr. Sylvie Nguedem Fonkwo (PhD), Department of Biological Sciences, Faculty of Science, University of Bamenda, Bamenda, Cameroon, “Challenges enforcing research ethic in the use of animals during research in Cameroon”

12:20–1:30 pm  Networking Lunch

Keynote Speakers

1:30–1:45 pm  Welcome and Opening Remarks

• Dr. Angela Bedard-Haughn (PhD, PAg), Associate Dean, Research and Grad Studies, College of Agriculture and Bioresources
• Dr. Susan Blum (PhD), Associate Vice-President Research and Innovation, Saskatchewan Polytechnic
• Dr. Jane Alcorn (DVM, PhD), UACC Chair and Dean, Pharmacy and Nutrition

1:45–3:05 pm  Keynote Speakers

• Dr. Melanie Graham (MPH, PhD), University of Minnesota
  Prioritizing the 3Rs strengthens translation and improves animal well-being
• Wendy Jarrett, Understanding Animal Research
  Why and how should we talk to the public about animal research? The UK Concordat on Openness

3:05–3:15 pm  Break

3:15–3:55 pm  Keynote Speakers

• Dr. Gilly Griffin (PhD), Canadian Council on Animal Care
  Animal Ethics and the Three Rs

3:55–4:10 pm  Q & A with Keynote Speakers

4:10–4:25 pm  Awards for Three Rs & Animal Research Trainee Symposium

4:25–4:30 pm  Closing Remarks

• Dr. Jane Alcorn (DVM, PhD), UACC Chair and Dean, Pharmacy and Nutrition
## Friday October 18, 2019

### The Animal-Human Relationship: Evening Keynote – New Therapies & Diabetes Research

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30–7 pm</td>
<td>Reception with Snacks</td>
</tr>
<tr>
<td>7–7:10 pm</td>
<td>Welcome and Opening Remarks</td>
</tr>
<tr>
<td></td>
<td>• Dr. Steven Jones (PhD), Associate Provost Health, USask Health Sciences</td>
</tr>
<tr>
<td></td>
<td>• Mr. Kevin Rodgers, Associate VP (Acting), Office of Applied Research and Innovation, Saskatchewan Polytechnic</td>
</tr>
<tr>
<td></td>
<td>• Dr. Munier Nour, RUH Diabetes Wellness Program and USask faculty, Pediatric Endocrinology</td>
</tr>
<tr>
<td>7:10–7:25 pm</td>
<td>Presentations by Diabetes Organizations</td>
</tr>
<tr>
<td></td>
<td>• Faith Rowland, Account Manager, Community Development, Diabetes Canada – <em>Together we must STOP this growing epidemic of diabetes</em></td>
</tr>
<tr>
<td></td>
<td>• Anne-Louise Blaikie, National Director of Community Engagement, JDRF Canada – <em>Connecting our T1D Community</em></td>
</tr>
<tr>
<td>7:25–8:05 pm</td>
<td>Keynote Speaker</td>
</tr>
<tr>
<td></td>
<td>Dr. Melanie Graham (MPH, PhD) – <em>No more needles, how cell-based therapies are converging on a cure for diabetes</em></td>
</tr>
<tr>
<td>8:05–8:50 pm</td>
<td>USask Researchers</td>
</tr>
<tr>
<td></td>
<td>• Dr. Saija Kontulainen and Dr. Munier Nour – <em>Bone health in diabetes: new evidence from advanced imaging</em></td>
</tr>
<tr>
<td></td>
<td>• Dr. Veronica Campanucci and Joseph Neapetung – <em>Diabetic mice help understand the negative impact of diabetes on the nervous system</em></td>
</tr>
<tr>
<td></td>
<td>• Dr. Shelley Spurr – <em>The Prevalence of Undiagnosed Prediabetes/Type 2 Diabetes, Prehypertension/Hypertension and Obesity Among Ethnic Groups of Adolescents in Saskatchewan</em></td>
</tr>
<tr>
<td></td>
<td>• Dr. Elizabeth Snead – <em>Personal Experience using Cats as a Model for Diabetes in People</em></td>
</tr>
<tr>
<td>8:50–9 pm</td>
<td>Q&amp;A – Panel Discussion</td>
</tr>
<tr>
<td>9 pm</td>
<td>Closing Remarks</td>
</tr>
<tr>
<td></td>
<td>Dr. Jane Alcorn (DMV, PhD), UACC Chair and Dean, Pharmacy and Nutrition</td>
</tr>
</tbody>
</table>
Saturday October 19, 2019

The Animal-Human Relationship: Ways of Knowing and Understanding

8 – 9 am  Registration for all Participants and Booth Set-up for Not-for-profit Organizations

9 – 9:10 am  Welcome and Opening Remarks
  • Dr. Jane Alcorn (DVM, PhD), UACC Chair and Dean, Pharmacy and Nutrition
  • Dr. Steven Jones (PhD), Associate Provost Health, USask Health Sciences
  • Dr. Susan Blum (PhD), Associate Vice-President Research and Innovation, Saskatchewan Polytechnic

9:10 am – 10:25 am Presentations
  • Amelia Badger – Traditional Cradle Board Teachings
  • Norman Fleury – The Métis relationship with the animal world
  • Dr. Michelle Johnson-Jennings (PhD) - Fur, Feathers and Medicines: How restoring our sacred relationships to animals can enhance our health

10:25 – 10:45 am Break

10:45 am – 12 pm Presentations
  • Dr. M.J. Barrett (PhD) and Viktoria Hinz – Interspecies Dialogues: Challenges and Opportunities
  • Dr. Colleen Dell (PhD) – The Power of the Human-Animal Bond with Visiting Therapy Dogs
  • Dr. Emily Jenkins (DVM, PhD) – One Health in the Canadian Arctic

12 – 1 pm  Networking Lunch

1 – 3 pm  Presentations
  • Keynote speaker: Dr. Melanie Graham (MPH, PhD) – Why the animal experience matters for tomorrows cures
  • Keynote speaker: Wendy Jarrett – Where do medicines come from? The reality of how, when and why animals are used in research
  • Keynote speaker: Dr. Gilly Griffin (PhD) – Overseeing animal care and ethics
  • Michele Moroz, Monique Burmester, Zoe Henrikson, Sally Mitchell, Julia Dereniwsky, and Stephanie Fehr – Compassion – The good, the bad, and the healing

3 – 3:20 pm  Break

3:20 – 4:40 pm Presentations
  • Dr. Jordan Woodsworth (DVM) – Remote Clinical Practice: how veterinarians can help or hinder human and animal welfare and relationships through clinical outreach work
  • Dr. Diego Moya (PhD) – Perspectives from the beef cattle industry
  • Dr. Karen Schwean-Lardner (PhD) – Human-Animal Relationships in poultry research and production – do they exist?
  • Dr. Ardra Cole (PhD) – Beyond Benefits: The Meaning of Dogs in Seniors’ Lives

4:40 – 4:55 pm  Q&A – Panel Discussion

4:55 – 5 pm  Closing Remarks
  • Dr. Jane Alcorn (DVM, PhD), UACC Chair and Dean, Pharmacy and Nutrition
We acknowledge the support of Saskatchewan Health Research Foundation (SHRF), Natural Sciences and Engineering Research Council of Canada (NSERC), as well as funding provided by Public Responsibility in Medicine and Research (PRIM&R).

- USask Research Services and Ethics Office (RSEO), Office of the Vice-President Research
- USask College of Agriculture and Bioresources
- USask College of Arts & Science
- USask Office of Vice-Dean Research in College of Medicine
- USask Western College of Veterinary Medicine
- USask College of Pharmacy & Nutrition
- USask Health Sciences
- USask School of Environment and Sustainability
- USask School of Public Health

Thank you to our generous sponsors!