

2022 SURE Research Day

August 25, 8:25 am – 4:00 pm

Health Sciences Centre Theatre 3 and HRIC Atrium

8:25	Welcome and Introductions – Theatre 3: Hermann Schaeztl/David Hall
Oral Presentation Session #1 – Theatre 3 Chairs: Cameron Knight and Angelica Petersen-Dias	
8:30	Raffay Ilyas (Cheng) <i>Anxiety during postnatal development in Fragile X mouse model</i>
	Lauren Stoffregen (Whitehead) <i>Investigating the seroprevalence of the causative agents of Equine Protozoal Myeloencephalitis in Alberta</i>
	Aydin Herik (Cobo) <i>Neonatal calves show a constitutively impaired mucin barrier that leads to severe enterocolitis after Cryptosporidium parvum challenge</i>
	Karlie Neuman (van der Meer) <i>Quantifying virus neutralizing antibodies of bovine respiratory diseases causing BHV-1 in preconditioned and non-conditioned calves using VNT and ELISA</i>
	Nicole Wilson (Gilch) <i>Cholesterol overload of neuronal cells interferes with de novo prion infection</i>
9:30	Mini-Break
Oral Presentation Session #2 – Theatre 3 Chairs: Maria Arifin and Dexter Merenick	
9:35	Anupam Jay (Barkema) <i>Herd-level prevalence of bovine leukosis in dairy herds of Alberta</i>
	Ihncheol Jung (Poissant) <i>Repeatability of horse body condition scores from photos</i>
	Hiruni Ranaweera (Careem) <i>Tropism of Delmarva (DMV/1639) Infectious Bronchitis Virus (IBV) variant for lymphoid organs of chickens</i>
	Kathryn McLellan (Pearson) <i>Cow- and calf-level factors associated with nursing behaviours in beef cattle during the 24-hours following an assisted calving</i>
	Alexandra Burk (Rosa & Roy) <i>AMR profiling of bacterial clinical isolates and commensal fecal Escherichia coli in Alberta horses</i>
10:35	Coffee Break - HRIC Atrium
Oral Presentation Session #3 – Theatre 3 Chairs: Tahir Ali and Charlotte Bourbon	
11:00	Anisha Jessel (Pang) <i>Comparing loss of posture and loss of righting reflex as indicators of unconsciousness during exposure to carbon dioxide in laboratory rats</i>
	Carl Dizon (Cork) <i>Modelling the effects of climate change on the geographic distribution of Ixodes pacificus and Borrelia burgdorferi in the Pacific Northwest</i>
	Monica Bautista (Chu) <i>Constructing a real-time live cell WNT signalling reporter in pluripotent stem cells</i>
	Aiden McBean (Betancourt) <i>Association between maternal protective behaviour and reactivity to handling of Angus cows</i>
	Shahaanaa Mohanraj (Soghigian) <i>Distribution and Ecology of Culex Pipiens in Calgary</i>

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12:00	Lunch and Poster Session - HRIC Atrium
Oral Presentation Session #4 – Theatre 3 Chairs: Heather Steele and Ben Caddey	
14:00	Nancy Ngo (Kutz) <i>Evaluating the benefits of Traditional Ecological Knowledge (TEK) collection from locally led short interviews in the Ulukhaktok community to build upon classical Western approaches to Arctic wildlife-assessments</i>
	Louise Caplan (Hall) <i>Hunters' willingness to change their hunting practices in response to zoonotic disease</i>
	Akeel Faizal (Niu) <i>In vitro evaluation of lytic bacteriophages against Shiga toxin producing Escherichia coli O157:H7 on human intestinal cells</i>
	Byron Kruger (Schaetzel) <i>Chronic wasting disease (CWD) vaccine development and production</i>
	Julian Chua (Wasmuth) <i>Computational analysis to identify mimicry proteins produced by myxozoa in fish hosts</i>
15:00	Keynote Speaker – Theatre 3
	Dr. Thilo Pfau <i>Applied equine locomotor biomechanics: Technological solutions aiding lameness detection and injury prevention</i>
15:45	Prizes and Closing Remarks: David Hall/Hermann Schaetzel