## CEMPH Research Symposium
### May 18–19, 2015

<table>
<thead>
<tr>
<th>Monday</th>
<th>PBB 160</th>
<th><strong>Infectious Diseases</strong></th>
<th>PBB 156/157</th>
<th>Clinical Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
<td>Presenter</td>
<td>Title</td>
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</tr>
<tr>
<td>10:30 AM</td>
<td>Siebert, Lydia (1)</td>
<td>Genome wide association study identifies loci associated with mastitis phenotypes following experimental challenge with <em>Streptococcus uberis</em></td>
<td>Chetney, Richard (15)</td>
<td>Prospective, randomized blinded pilot study of the effect of oral glutamine supplementation on the severity of radiation-induced oral mucositis</td>
</tr>
<tr>
<td>10:45 AM</td>
<td>Kerro-Dego, Oudessa (2)</td>
<td><em>Streptococcus uberis</em> vaccine: Current and future directions</td>
<td>Allett, Brian (16)</td>
<td>Magnetic resonance imaging findings of lymphoma affecting the canine spine and paraspinal soft tissues</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Riley, Matthew (3)</td>
<td>Detection and identification of horizontally transferred genetic elements in <em>Staphylococci</em>: Implications for drug resistance and disinfectant use in veterinary medicine</td>
<td>Jagadish, Mayuri (17)</td>
<td>Analysis of variables associated with diabetic foot ulcer healing</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>Jaggi, Ujjaldeep (4)</td>
<td>Role of retinoic acid in herpes stromal keratitis</td>
<td>Sadler, Ryan (18)</td>
<td>Expression of cyclooxygenase enzymes in normal and inflamed skin and muscle tissues in ball pythons (<em>Python regius</em>)</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Purple, Kathryn (5)</td>
<td>The persistence of <em>Trichomonas gallinae</em> isolates in simulated bird baths under various reproduced environmental conditions</td>
<td>Jones, Brittni (19)</td>
<td>Prevalence of <em>Tritrichomonas foetus</em> in tennessee beef bulls</td>
</tr>
<tr>
<td>11:45 AM</td>
<td>Grunenwald, Caroline (6)</td>
<td>Genetic characterization of the meningeal worm <em>Parelaphostrongylus tenuis</em> from multiple host species and across spatial scales</td>
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<tr>
<td>Noon</td>
<td>Noon guest speaker &amp; visit food trucks</td>
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**Preliminary Presenter Schedule**

<p>| Noon | Noon guest speaker &amp; visit food trucks |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1:45 PM</td>
<td>Kennedy, Rebekah</td>
<td>Trichlorocarbanilide exposure during early life induces the overgrowth of <em>Clostridium difficile</em> in rat offspring cecum contents</td>
<td>Reed, Rachel</td>
<td>The effect of ketamine on the minimum infusion rate of propofol preventing motor movement in dogs</td>
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<td></td>
<td>(8)</td>
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<td>(20)</td>
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<tr>
<td>2:00 PM</td>
<td>Anis, Eman</td>
<td>Transduction of hematopoietic stem cells to stimulate RNA interference for treatment of feline infectious peritonitis</td>
<td>Michaels, Jennifer</td>
<td>Pharmacokinetics of single dose rectal zonisamide in healthy dogs</td>
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<td>(21)</td>
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<tr>
<td>2:15 PM</td>
<td>Storer, Jennifer</td>
<td>Pulmonary surfactant proteins D as a biomarker for bronchopneumonia in calves</td>
<td>Best, Lori</td>
<td>Osmolality and electrolyte composition of the tear film in normal horses</td>
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<td>(22)</td>
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<tr>
<td>2:30 PM</td>
<td>Cassilly, Chelsi</td>
<td>Discovery and characterization of fungal phosphatidylinerine synthase inhibitors</td>
<td>Mullis, Rebecca</td>
<td>Maintenance energy requirements of odor detection, explosive detection and human detection working dogs</td>
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<td>(23)</td>
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<tr>
<td>2:45 PM</td>
<td>Soltan, Mohamed</td>
<td>Detection and genotyping of circulating bovine viral diarrhea virus in dairy cattle and buffalo farms in Ismailia Province, Egypt</td>
<td>Cole, Grayson</td>
<td>The effect of laser therapy on first-intention incisional wound healing in ball pythons (<em>Python regius</em>)</td>
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<td>(12)</td>
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<td>(24)</td>
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<tr>
<td>3:00 PM</td>
<td>Balachandran,</td>
<td>Molecular explanation of protein A deficiency in the <em>Staphylococcus aureus</em> strain Wood 46</td>
<td>McCleery, Brynn</td>
<td>Use of cardiac troponin I (cTnI) as a biomarker of myocyte injury in an avian model following administration of the cardiotoxin doxorubicin: A pilot study</td>
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<td></td>
<td>Manasi (13)</td>
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<td>(25)</td>
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<tr>
<td>3:15 PM</td>
<td>Soltan, Mohamed</td>
<td>Emergence of peste des petits ruminants virus lineage IV in Ismailia Province, Egypt</td>
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<tr>
<td>10:30 AM</td>
<td>Joshi, Snehal (26)</td>
<td>Grape seed extract against human noroviral surrogates in model food systems and simulated gastric conditions</td>
<td>Abiri, Reza (36)</td>
<td>Computer cursor control using imagined body kinematics</td>
</tr>
<tr>
<td>10:45 AM</td>
<td>Arreaza, Andres (27)</td>
<td>Reduction of Aichi virus by sodium metasilicate and calcium hypochlorite in suspension</td>
<td>Zayed, Mohammed (37)</td>
<td>Chondrogenic potential of synovial fluid-derived mesenchymal stem cells for articular cartilage regeneration</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Tandy, Corinne (28)</td>
<td>The impact of culture-independent diagnostic testing on foodborne illness surveillance</td>
<td>Conway, Michael (38)</td>
<td>Canine mesenchymal stem cells cultured on novel 3D nanofiber scaffolds have increased proliferation and differentiation efficiency, while maintaining cell multipotency</td>
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<tr>
<td>11:15 AM</td>
<td>Elkhenany, Hoda (39)</td>
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<td>Graphene and stem cell combination for bone tissue regeneration: In vitro to in vivo</td>
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<tr>
<td>11:30 AM</td>
<td>Valverde, Mauricio (40)</td>
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<td>Characterization of ligand-induction of influenza hemagglutinin</td>
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Noon Lunch Break--Visit food trucks & network
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<thead>
<tr>
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<tr>
<td>1:15 PM</td>
<td>Estenson, Kasey (29)</td>
<td>Potential new drug compounds for Z-Alpha1 antitrypsin deficiency</td>
<td>Larson, Jeanne (41)</td>
<td>Pharmacokinetics of orally administered low-dose rapamycin in healthy dogs: A pilot study</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Johnstone, Megan (30)</td>
<td>Pro-inflammatory cytokine, IL-1B, diminishes butyrate oxidation in colorectal cancer cells</td>
<td>Smolensky, Dmitriy (42)</td>
<td>Effects of doxorubicin and its derivative, AD198, in oral squamous cell carcinoma cells in vitro</td>
</tr>
<tr>
<td>1:45 PM</td>
<td>Kaufman, Jeffrey (33)</td>
<td>Heat stress reduces phosphorylation activity of the mTOR signaling cascade in bovine mammary cells</td>
<td>Rathore, Kusum (43)</td>
<td>A novel derivative of doxorubicin, AD198, inhibits cell growth of canine transitional cell carcinoma and osteosarcoma cells in vitro</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Fling, Russell (48)</td>
<td>Triclocarban causes dysbiosis of gut microbiota in weaned rats</td>
<td>Bourn, Jennifer (44)</td>
<td>Effects of novel receptor tyrosine kinase inhibitors and non-steroidal anti-inflammatory drugs in bladder cancer</td>
</tr>
<tr>
<td>2:15 PM</td>
<td>Bower, Katherine (32)</td>
<td>“I do it for her”: Mothers’ experiences pumping breastmilk for their preterm infants</td>
<td>Heal, Emily (45)</td>
<td>Effects of chronic exposure to benzo[a]pyrene, a lipophilic mammary carcinogen, on stromal fibroblasts: Role in breast carcinogenesis</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>Wilkerson, Brittany (35)</td>
<td>Effects of television viewing on enjoyment of exercise in college students</td>
<td>Pluchino, Lenora (46)</td>
<td>Reactive oxygen species-mediated breast cell carcinogenesis enhanced by multiple carcinogens and intervened by dietary ergosterol and mimosine</td>
</tr>
<tr>
<td>2:45 PM</td>
<td>Kuang, Heqian (34)</td>
<td>Vitamin A status affects hepatic expression of key genes for fuel metabolism</td>
<td>Han, Anna (47)</td>
<td>Carnitine is a critical contributor for butyrate oxidation in cancer colon cells</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Kassube, Kimberly (31)</td>
<td>Insulin and heat stress alters the activity of the mTOR signaling cascade in bovine mammary cells</td>
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*PBB: Plant Biotechnology Bldg.*