

ICCI Cancer Research Symposium May 15, 2014**POSTERS OVC LLC Room 1707 B & C**

Posters will be displayed from 9:00 - 5:00; authors please attend your poster 12:30-1:30

1) Inhibition of HSP70 for the Treatment of Canine Osteosarcoma

*Jonathan Asling, Brooke Fraser, Anthony J. Mutsaers**; Department of Biomedical Science, University of Guelph

2) Investigating the effectiveness of Akt1 inhibitor on non-small cell lung tumour suppression in-vitro

Ritesh Briah, Roger Moorehead, S. Elizabeth Franks*; Department of Biomedical Science, University of Guelph

3) Changes In matrix metalloproteinase expression in SN-38-resistant colorectal cancer cells

*Spencer I.T. Berg, Murray J. Cutler, Jonathan Blay**; Department of Pharmacy, University of Waterloo

4) Evaluating drug resistance in colorectal cancer stem cells

*Stacey J. Butler, Nathan Farias, Brenda L. Coomber**; Department of Biomedical Sciences, University of Guelph

5) ICCI Clinical Research: Companion Animal Tissue Sample Bank and Clinical Trials in the Mona Campbell Centre for Animal Cancer

Astrid Cuncins-Hearn, Brenda Coomber, Paul Woods**; Institute for Comparative Cancer Investigation, University of Guelph

6) The Influence of Isoform Type and Oxygen Levels in the Angiogenic Response of Endothelial Cells to TGF β

*Meghan Doerr, Alicia Vilorio-Petit**; Department of Biomedical Sciences, University of Guelph

7) The Effects of Chemotherapy Scheduling on Ovarian Function and Female Fertility

*Jacqueline Dynes, Jim Petrik**; Department of Biomedical Sciences, University of Guelph

8) The response of canine osteosarcoma cells to Doxorubicin chemotherapy after siRNA-mediated silencing of Prkar1a expression

Gallienne J¹, Petrik N, Liu J¹, Wood G¹; ¹Department of Pathobiology, ²Department of Biomedical Sciences, University of Guelph

9) Effects of 3-bromopyruvate on human colorectal cancer metabolism

*Nelson Ho, Brenda L. Coomber**; Department of Biomedical Sciences, University of Guelph

10) Inhibition of glucose uptake through sodium-glucose transporters (SGLT) demonstrates metabolic effects on epithelial ovarian cancer (EOC) cells, independent of GLUT-mediated glucose uptake

*Lisa Kellenberger, Jim Petrik**; Department of Biomedical Sciences, University of Guelph

11) Investigating Nkd1's activation and role in Wnt signaling

*Roman Kondra, Terry Van Raay**; Department of Molecular & Cellular Biology, University of Guelph

12) AVO: a novel inhibitor of fatty acid oxidation that induces selective leukemia cell death

Lee EA¹, Angka L¹, Rota SG¹, Hurren R², Wang XM², Gronda M², Minden M², Mitchell A³, Datti A^{4,5}, Wrana, J⁴, Joseph JW¹, Quadrilatero J³, Schimmer AD², Spagnuolo PA¹; ¹School of Pharmacy, ³Department of Kinesiology, University of Waterloo, ²Princess Margaret Cancer Center, OCI, Toronto; ⁴SMART laboratory for High-Throughput Screening Programs, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto; ⁵Department of Agricultural, Food and Environmental Sciences, University of Perugia, 06100, Perugia Italy

13) Canine mast cell tumour (MCT) cells treated with itraconazole and toceranib exhibit decreased proliferation rates and altered posttranslational modifications of KIT and VEGFR2.

*Sean Masson, Jennifer Thompson, Brenda L. Coomber**; Department of Biomedical Sciences, University of Guelph

14) Perioperative Management and Outcome of Bilateral Adrenalectomy in 9 dogs

Michelle Oblak¹, Nicholas Bacon², Jen Covey³*; ¹Ontario Veterinary College, University of Guelph; ²College of Veterinary Medicine, University of Florida, Gainesville, FL, USA; ³Pittsburgh Veterinary Specialty and Emergency Center, Pittsburgh, PA, USA

15) In Vitro Effects of Wee1 Kinase Inhibition on Chemotherapy and Radiation Response in Osteosarcoma Cell Lines

*Steven G. Patten, Sarah Darakhshan, Devan E. Thompson, Kaela Shaw, Carl R. Walkley, Anthony J. Mutsaers**; Department of Biomedical Sciences, University of Guelph

16) Regulation of Noxa expression by miR-23a in heat-stressed cells

*Rabih Roufayel, Donald Johnston, Dick D. Mosser**; Department of Molecular & Cellular Biology, University of Guelph

17) miRNA regulation of Puma translation in heat-shocked cells

*Rebecca Rumney, Richard D. Mosser**; Department of Molecular & Cellular Biology, University of Guelph

18) The Effects of 3TSR and Combinational Metronomic Chemotherapy on Epithelial Ovarian Cancer

Samantha Russell¹, Jack Lawler², Jim Petrik^{1}; ¹Department of Biomedical Sciences, University of Guelph, ²Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts, USA*

19) Treating high-grade glioma with oncolytic virotherapy and histone deacetylase inhibitors

Zafir Syed, Scott Walsh, Byram W. Bridle; Department of Pathobiology, University of Guelph*

20) The Effects of 3TSR Fusion Proteins on Ovarian Cancer

Simone ten Kortenaar, Jack Lawler^{2}, Jim Petrik^{1*}; ¹Biomedical Sciences, Ontario Veterinary College, University of Guelph; ²Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts, USA*

21) The development of recombinant *Parapoxvirus ovis* (ORFV) for use in oncolytic virotherapy.

Jacob P. van Vloten, Jondavid de Jong and Sarah K. Wootton; Department of Pathobiology, University of Guelph*

22) Delivery of toxic topoisomerase mutant alleles by DNA ministrings for ovarian cancer gene therapy

Shirley Wong, Nafiseh Nafissi, Chi Hong Sum, Roderick Slavcev; School of Pharmacy, University of Waterloo*