LUNCH & POSTER SESSION 11:35-1:20
OVC LLC Room 1707 B & C
Posters will be displayed all day; authors please attend your poster 12:00-1:00

POSTERS (*study leader)

1) Investigating KIT and VEGF protein expression in canine prostate cancer
Carlos E. Fonseca Alves, Priscilla E. Kobayashi, Renée Lauffer-Amorim*
Department of Veterinary Clinic, University of São Paulo State - UNESP

2) Characterization of the TGFβ-TAZ Signalling Axis in Canine Osteosarcoma Cell Lines
Adam D. Andrade1, Pavel Neogi1, Tony Mutsaers1, Geoffrey Wood2, Alicia Viloria-Petit1
Departments of 1Biomedical Sciences and 2Pathobiology, OVC, University of Guelph

3) Assessing the use of PI3-Kinase inhibitors to rescue TGFβ tumor suppressive function in advanced breast cancer
Vritika Batura, Mathepan Mahendralingam, Geordon Avery-Cooper, Mahmoud Yousseff, Alicia Viloria-Petit*
Department of Biomedical Sciences, OVC, University of Guelph

4) Colorectal cancer cells rendered resistant to the topoisomerase inhibitor SN-38 display altered interactions with fibronectin
Spencer I.T. Berg, Murray J. Cutler, Jonathan Blay*
School of Pharmacy, University of Waterloo

5) Prognostic Value of Vascular Endothelial Growth Factor Receptor 2 Expression by Neoplastic Canine Mast Cells
Lucas B. Da Silva1, Jennifer J. Thompson2, Geoffrey A. Wood2, Robert A. Foster2, Brenda L. Coomer1*
Departments of 1Biomedical Sciences & 2Pathobiology, OVC, University of Guelph

6) Low hexokinase II expression is associated with early disease progression and worse survival in human colorectal cancer
Nelson Ho, Brenda L. Coomber*
Department of Biomedical Sciences, OVC, University of Guelph

7) Knockdown of the active glucose transporter SGLT2 in epithelial ovarian cancer (EOC) cells increases tumor size and aggression
Lisa Kellenberger, Jim Petrik*
Department of Biomedical Sciences, OVC, University of Guelph
8) Plant- and marine-derived n-3 polyunsaturated fatty acids prevent mammary tumor development
Jiajie Liu*, Salma A. Abdelmagid1, Lyn M. Hillyer1, William J. Muller2, David W.L. Ma1
1Department of Human Health & Nutritional Sciences, CNS, University of Guelph; 2Molecular Oncology Lab, McGill University, Royal Victoria Hospital, Montreal, QC

9) Targeting the Wnt pathway in zebrafish as a bioassay to identify novel therapeutic compounds.
Flavia Cristine Mascia Lopes1, Mariana Bastos dos Santos2, Eder Ramos Paganini2, Carlos Roberto Polaquini2, Paul Spagnuolo3, Luis Octavio Regasini2, Terence J Van Raay1*
1Department of Molecular & Cellular Biology, CBS, University of Guelph; 2Instituto de Biociências Letras e Ciências Exatas, UNESP, São Jose do Rio Preto, São Paulo, Brazil; 3School of Pharmacy, University of Waterloo

10) Evaluation of the TGFβ-TAZ signaling axis in canine osteosarcoma tumours: optimization of immunohistochemistry protocols
Anita Luu1, Courtney Schott2, Geoffrey Wood2, Alicia Viloria-Petit1*
Departments of 1Biomedical Sciences & 2Pathobiology, OVC, University of Guelph

11) In vitro effects of epidermal growth factor receptor kinase inhibition on radiation response in canine osteosarcoma cell lines
Fernanda Mantovani1, Po-Yan Cheng1, Devan E. Thompson2, Jonathan Asling2, Jodi Morrison2, Anthony J. Mutsaers1,2*
Departments of 1Clinical Studies & 2Biomedical Sciences, OVC, University of Guelph

12) Analysis of Munc18c and Syntaxin4 Function During Tumor Cell Invasion
David M. Martynowicz, Marc G. Coppolino*
Department of Molecular & Cellular Biology, CBS, University of Guelph

13) Canine splenic hemangiosarcoma treated with splenectomy and 6 doses of dose-intensified doxorubicin chemotherapy with or without metronomic cyclophosphamide
Arata Matsuyama1, Valerie J. Poirier4, Robert A. Foster3, Fernanda B. Mantovani1, Anthony J. Mutsaers1,4*
Departments of 1Clinical Studies, 3Pathobiology, and 3Department of Biomedical Sciences; 4Health Sciences Centre, OVC, University of Guelph

14) Par6 phosphorylation at Ser345 mediates invasion and metastasis of HER2-transformed mammary cells
Charlotte Mitz1, Saedeh Daghar1, Divya Karsanj1, Raquel Muñoz Martinez1,2, Alicia Viloria-Petit1*
1Department of Biomedical Sciences, OVC, University of Guelph; 2Department of Biochemistry, Faculty of Sciences, University of Valladolid, Valladolid, Spain

15) Investigation into the Regulation of Wnt Signaling by Axin2 during Development of Zebrafish
Daniel Pasula, Christine Hanbury, Terry Van Raay*
Department of Molecular & Cellular Biology, CBS, University of Guelph
16) **Owner attitudes and practices regarding the nutrition of their dog diagnosed with cancer**
Sashen Rajagopaul¹, Adronie Verbrugghe¹*, Jacqueline M. Parr¹, David L. Pearl², Jason B. Coe², JP Woods¹
*Departments of ¹Clinical Studies & ²Population Medicine, OVC, University of Guelph

17) **Knockdown of Autophagy/ Mitophagy Genes Sensitizes Leukemia Cells to Avocatin B-Induced Cell Death**
Rodrigo R, Lee EA, Spagnuolo PA*
School of Pharmacy, University of Waterloo

18) **Estrogen receptor is a target for novel leukemia stem cell therapeutics**
Rota SG, Lee EA, Angka L, Doxey A, Minden M, Spagnuolo PA*
School of Pharmacy, University of Waterloo

19) **Clinical Research in Companion Animals with Cancer**
Vicky Sabine¹, Kaya Skowronski¹, Geoff Wood², Michelle Oblak¹, Paul Woods¹*, Brenda Coomer³*
*Departments of ¹Clinical Studies, ²Pathobiology & ³Biomedical Sciences, OVC, University of Guelph

20) **The ICCI Companion Animal Tumour Sample Bank: facilitating translational cancer research**
Kaya Skowronski¹, Vicky Sabine¹, Courtney Schott², Paul Woods¹, Michelle Oblak¹, Geoff Wood², Brenda Coomer³*
*Departments of ¹Clinical Studies, ²Pathobiology & ³Biomedical Sciences, OVC, University of Guelph

21) **The Effects of 3TSR Fusion Proteins on Epithelial Ovarian Cancer**
Simone ten Kortenaar¹, Jack Lawler²*, Jim Petrik¹*
¹Department of Biomedical Sciences, OVC, University of Guelph; ²Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA.

22) **Bolus high-dose sunitinib overcomes potential for rebound metastasis following presurgical neoadjuvant treatment breaks**
Tracz A¹, Mastri M¹*, Attwood K³, Bshara W⁴, Kim L², Shen L², Pili R², Ebos JML¹,²*
¹Department of ¹Cancer Genetics, ²Medicine, ³Biostatistics and Bioinformatics & ⁴Pathology, Roswell Park Cancer Institute, Buffalo, NY, USA

23) **Hypoxic cancer cells exploit a specialized protein synthesis to enhance their proliferation, migration, and invasion**
Joseph Varga, Nicole Kelly, Erin Brouwers, Christina Romeo, Jim Uniacke*
Department of Molecular & Cellular Biology, CBS, University of Guelph

24) **Characterizing Wnt signaling activity and regulation in intestinal epithelial cells**
Alex Weiss, Terry Van Raay*
Department of Molecular & Cellular Biology, CBS, University of Guelph
25) Examining the role of the 1,25D3-MARRS receptor in mammary gland development
   Allison Wilkin, Kelly Meckling*
   Department of Human Health & Nutritional Sciences, CBS, University of Guelph

26) DNA Ministrings: A new approach to cancer gene therapy
   Shirley Wong, Roderick Slavcev*
   School of Pharmacy, University of Waterloo, Waterloo, Canada