



AACR International Conference

# Translational Cancer Medicine

In cooperation with the Latin American Cooperative Oncology Group

May 4-6, 2017 | São Paulo, Brazil

**AACR**  
American Association  
for Cancer Research



## Poster Session A Friday, May 5 12:30-15:00 Grand Ballroom III/Foyer

### DNA Repair and PARP Inhibitors

**A01 Development and application of DNA Repair Dysregulation Score in predicting response to neoadjuvant therapy in patients with rectal cancer.** Leandro Jimenez, Fernanda Koyama, Jennifer DeVecchio, Mathew Kalady, Angelita Habr-Gama, Rodrigo Perez, Anamaria Camargo.

**A02 Potential role of SMC6 down-regulation as an indicator of tumor genetic instability in breast cancer.** Flavia Rotea Mangone, Ana Cristina Victorino Krepischi, Suely Nonogaki, Dirce Maria Carraro, Maria Aparecida Nagai.

**A03 The DNA damage response: Characterization of the CDK9/CHK2 interaction.** Thales da Costa Nepomuceno, Guilherme Suarez-Kurtz, Álvaro Monteiro, Marcelo Alex Carvalho.

**A04 Structural and functional characterization of BARD1/CDK13 interaction.** Vanessa C Fernandes, Thales C Nepomuceno, Renato S Carvalho, Guilherme Suarez-Kurtz, Alvaro N Monteiro, Marcelo A Carvalho.

**A05 Novel mechanisms of ATM activation after H. pylori infection.** Aline T Roque, Rafael Z Gambeloni, Juliana C Santos, Marcelo L Ribeiro.

### Epigenetics

**A06 MicroRNA-195 acts as a tumor suppressor miRNA in human melanoma cells by targeting Prohibitin**  
1. Priscila D R Cirilo, Bruna R S Côrrea, Mei Qiao, Luciana N S Andrade, Roger Chammas, Luiz O F Penalva.

**A07 Translatomic analysis of invasive breast cancer.** Gláucia M Hajj, Hermano M Bellato, Laia M Sanz, Shuo Liang, Fernanda C Lupinacci, M Roffe, Victor P Andrade, Vilma R Martins, Ola Larsson.

**A08 Signaling pathways involvement in Acute Myeloid Leukemia Resistance to BRD4 inhibitor.** Marcela Latância, Lilian Inoue, Jussara Souza, Fernanda Koyama, Paula Asprino, Welbert de Oliveira Pereira, Niels Olsen Saraiva Câmara, Luiz Fernando Lima Reis, Mariane Tami Amano.

**A09 Development of epigenetic based strategies for blocking breast cancer growth, invasion and metastasis in vitro and in vivo..** Niaz Mahmood, David Cheishvili, Ani Arakelian, William J Muller, Imrana Tanveer, Haseeb Khan, Moshe Szyf, Shafaat A Rabbani.

**A10 Epigenetic mechanisms in liver tumors: gene expression analysis of epigenetic machinery in hepatoblastomas..** Maria Rivas, Cecília da Costa, Silvia Toledo, Monica Cypriano, Luiz Caires, Ernesto Goulart, Dirce Carraro, Isabela Werneck, Carla Rosenberg, Mayana Zatz, Ana Krepischi.

**A11 Gene expression analysis of Polycomb and Trithorax family members reveals putative role of ASXL2 in breast cancer subtypes.** Mariana Araujo, Eliana Abdelhay, Stephany Corrêa.

**A12 Brazilian propolis as a source of novel DNA methyltransferase inhibitors: a computer-aided discovery and in vitro approaches..** João Henrique Maia Assumpção, Agnes Alessandra Sekijima Takeda, José Maurício Sforcin, Cláudia Aparecida Rainho.

**A13 GENE BODY METHYLATION COULD REGULATE THE EXPRESSION OF GENES ASSOCIATED TO PAPILLARY THYROID CARCINOMAS.** Caroline Moraes Beltrami, Mateus Camargo Barros-Filho, Mariana Bisarro dos Reis, Fábio Albuquerque Marchi, Hellen Kuasne, Skirant Ambatipudi, Zdenko Herceg, Luiz Paulo Kowalski, Silvia Regina Rogatto.

**A14 Downregulation of desmin involves gene promoter hypermethylation in gallbladder cancer.** Shushruta Bhunia, Mustafa Ahmed Barbhuiya, Sanjiv Gupta, Braj Raj Shrivastava, Pramod Kumar Tiwari.

**A15 Oncomirs expression profiling in uterine leiomyosarcoma cells.** Bruna Cristine De Almeida, Natalia Garcia, Edmund Chada Baracat, Kátia Candido Carvalho .

**A16 Hypermethylation in BMP4 and GREM1 may be associated with uterine leiomyosarcoma development.** Natalia Garcia, Bianca Calsolari Oliveira, Kelly Pedrozo Ferreira, Edmund Chada Baracat, Kátia Candido Carvalho .

**A17 Methylation profile of SEPT9, NDRG4, p16 genes in colorectal cancer.** Thais Sobanski, Lidia Arantes, Wellington dos Santos , Ronilson Durães , Marcus Matsushita, Rui Manuel Reis, Denise Peixoto Guimaraes.

#### Genomics

**A18 Insights into the somatic mutation burden of hepatoblastomas using whole exome sequencing.** Talita Aguiar, Tatiane Rodrigues, Cecília Maria Lima da Costa , Isabela Werneck , Monica Cypriano , Silvia Regina Caminada de Toledo, Jorge Estefano Santana de Souza, Israel Tojal , Dirce M Carraro , Carla Rosenberg , Ana Krepischi.

**A19 Identification of somatic alterations in prostate adenocarcinoma with intermediate Gleason score with and without biochemical recurrence.** Isabella Meira, Bruna Barros, Rodrigo Ramalho, José Kroll, Renan Almeida, Sandro de Souza, Isabela da Cunha, Gustavo Guimarães, Dirce Carraro, Elisa Ferreira.

**A20 Identification of new promising germline variants in melanoma-prone patients..** Felipe Fidalgo, Luciana Facure, Bruna Barros, Renan Valieris, Giovana Torrezan, Bianca de Sá, Amanda Nóbrega, Maria Isabel Achatz, João Duprat, Carla Rosenberg, Sandro Souza, Ana Krepischi, Dirce Maria Carraro.

**A21 Association between polymorphisms in inflammatory response related-genes and the susceptibility, progression and prognosis of gastric cancer.** Tatiane K Furuya, Carlos E Jacob, Michele T Tomitão, Lizeth C Cordoba-Camacho, Marcus K Ramos, José Eluf-Neto, Venâncio A Alves , Bruno Zilberstein, Ivan Cecconello, Ulysses Ribeiro-Junior, Roger Chammas.

**A22 Stromal cell signature in luminal breast cancer associated with response to neoadjuvant chemotherapy.** Maria Lucia H Katayama, Rene A da Costa Vieira, Rosimeire A Roela, Victor P Andrade, Luiz Guilherme C A de Lima, Giselly Encinas, Ligia M Kerr, Simone Maistro, M Mitzi Brentani, Maria A A Koike Folgueira.

**A23 Germline BRCA1 and BRCA2 mutations in Brazilian ovarian and breast cancer patients.** Simone Maistro, Giselly Encinas, Tauana Nagy, Natalia Teixeira, Maria Lucia H Katayama, Ana Carolina R C Gouvêa, Maria del Pilar E Diz, Roger Chammas, Geertruida H de Boch, Maria Aparecida A K Folgueira.

**A24 Contribution of aberrant splicing mechanisms in glioblastoma development.** Fabiana Marcelino Meliso, Luis Penalva, Pedro Alexandre Favoretto Galante.

**A25 Intragroup genomic, transcriptional and epigenomic variability is higher in sporadic than in BRCA1-associated hereditary triple-negative breast tumors.** Kivvi Duarte de Mello Nakamura, Rodrigo Fernandes Ramalho, Rafael Canfield Brianese, Ana Krepischki, Bruna D. F. Barros, Dirce Maria Carraro.

**A26 Analysis of alternative splicing events in high and low grade bladder tumors.** André Luiz Ventura Sávio, Ricardo Piuco, Katia Ramos Moreira Leite, Daisy Maria Favero Salvadori, Pedro Alexandre Favoretto Galante, Luiz Otavio Ferraz Penalva.

**A27 Studying retroduplicates of cancer genes.** Fernanda Orpinelli Rego, Thiago L. A. Miller, Helena B. da Conceição, Vanessa C. Buzatto, Anamaria A. Camargo, Pedro A. F. Galante.

**A28 Copy number and miRNA profiling in triple negative breast cancer patients from Latin America .** Bruna Sugita, Silma R Pereira, Rodrigo Almeida, Rubens S Lima, Cicero A Urban, Simina Boca, Yuriy Gusev, Iglénir J Cavalli, EMSF Ribeiro, Luciane R Cavalli.

**A29 Omics profile of two immortalized Brazilian glioblastoma cell cultures..** Adriana Cruvinel-Carloni, Renato José da Silva-Oliveira, Viviane Aline Oliveira-Silva, Marcela Nunes Rosa, Lucas Tadeu Bidinotto, Gustavo Noriz Berdinarelli, Raul Torrieri, Adriane Feijó Evangelista , Olga Catarina Martinho, Vera Mónica Gonçalves, Carlos Clara, Gisele Caravina de Almeida, Rui Manuel Reis.

**A30 Depicting clinically relevant molecular alterations in oropharynx squamous cell carcinoma samples treated with an organ preservation protocol.** Ana Carolina de Carvalho, Matias Eliseo Melendez, Cristovam Scapulatempo Neto, Gabriela Carvalho Fernandes, Lidia Maria Rebolho Batista Arantes, Bruna Pereira Sorroche, Gisele Caravina de Almeida, Rui Manuel Reis, Sandra Perdomo, André Lopes Carvalho.

**A31 PI3K/AKT pathway gene and miRNA alterations in triple negative breast cancer patients from Latin America.** Marcia M de Oliveira, Bruna Sugita, Silma R Pereira, Rubens S Lima, Cicero A Urban, Enilze MSF Ribeiro, Iglénir J Cavalli, Luciane R Cavalli.

**A32 Metastatic Vulvar Squamous Cell Carcinoma shows rs4986938 polymorphism in Estrogen Receptor Beta.** Kelly Pedrozo Ferreira, Henderson Junior Narciso, Natalia Garcia, Edmund Chada Baracat, Kátia Candido Carvalho .

**A33 Molecular classification of Brazilian medulloblastoma by a NanoString gene panel.** Leticia Ferro Leal, Adriane Feijo Evangelista, Flavia Escremim de Paula, Adriana Cruvinel Carloni, Gisele Caravina de Almeida, Bruna Mancano, Rui Manuel Reis.

**A34 SNPs as predictors in the tailoring of treatment for HNSCC patients undergoing organ preservation protocols.** Lidia Rebolho Batista M R B, Pamela Angelique Kuhlmann, Matias Eliseo Melendez, Ana Carolina Laus, Ana Carolina de Carvalho, Pedro Rafael Martins De Marchi, Adriane Feijó Evangelista, Viana de Souza Luciano , Carvalho Lopes André.

**A35 Somatic mutation profile of a panel of oncogenes and tumor suppressor genes in colorectal cancer in a Brazilian population.** Wellington Santos, Adriane Feijó Evangelista, Ronilson Durães, Marcus Matsushita, Rui Manuel Reis, Denise Peixoto Guimarães.

**A36 Clinical and molecular characterization of oropharynx squamous cell carcinoma samples.** Ana Carolina de Carvalho, Bruna Pereira Sorroche, Matias Eliseo Melendez, Cristina da Silva Sabato, Edénir Inez Palmero, Lidia Maria Rebolho Batista Arantes, Cristovam Scapulatempo Neto, André Lopes Carvalho.

**A37 Complex landscape of germline variants in hereditary and early onset breast cancer ascertained through whole exome sequencing.** Giovana T Torrezan, Fernanda GSR Almeida, Marcia CP Figueiredo, Bruna DF Barros, Claudia A Paula, Renan Valeris, Jorge ES Souza, Elisa N Ferreira, Felipe CC Silva, Amanda F Nobrega, Maria Isabel

Achatz, Edenir I Palmero, Rodrigo F Ramalho, Sandro J Souza, Dirce M Carraro.

### **Hematological Malignancies**

**A38 Gene expression profile of the Wnt signaling pathway in Mesenchymal stromal cells from Acute Myeloid Leukemia.** Pedro Azevedo, Nathalia Oliveira, Eliana Abdelhay, Renata Binato.

**A39 Nuclear SET Domain (NSD) Protein Lysine Methyltransferases (KMT) are higher expressed in Acute Myeloid Leukemia.** Virginia Mara de Deus Wagatsuma, Luisa CA Koury, Silvia Helena Sánchez, Lorena Lobo Figueiredo-Pontes, Fernanda Borges da Silva, Fernanda Borges da Silva, Adriana Ines Dore, Ana Silvia Gouvea de Lima, Antonio Roberto Lucena-Araujo, Fabiola Traina, Felipe Saldanha-Araujo, Fabio Pittella, Eduardo Magalhães Rego.

**A40 CD44 expression in T cell Acute Lymphoblastic Leukemia and Acute Myeloid Leukemia associated with RAS mutations.** Luisa V C Marques, Elda P Noronha, Franciane G Andrade, Eugenia T G Pina, Maria S Pombo-de-Oliveira.

**A41 Screening of proteins related to the inhibitory receptor Lymphocyte activation gene-3 (LAG-3) through BioID method..** Priscila Rafaela/PR Ribeiro, Martin Bonamino, Leonardo Chycaibam, Marco Pretti.

**A42 Pre-natal role of medical radiation in children diagnosed with a blood cancer: single institution study, 2006-2016.** Robin L Rohrer.

**A43 Genetic and Epigenetic disorders in one cohort of Acute Lymphoblastic Leukemia.** Tállita Meciany Farias Vieira, Sheila Coelho Sores Lima, Franciane Gomes Andrade, Alython Araújo Chung-Filho, Claire Schwab, Christine Harrison, Maria do Socorro Pombo-de-Oliveira.

**A44 Detection of tumor associated macrophages acute promyelocytic leukemia.** Isabel Weinhauser, Priscila Scheucher, Luciana Yamamoto, Eduardo Rego .

### **Hormone-Dependent Cancers and Steroid Receptors**

**A45 Regulatory Network of the Metastatic Process in Breast Cancer.** Bruno R. B. Pires, Gerson M. Ferreira, Renata Binato, Eliana Abdelhay.

### **Immune Checkpoints**

**A46 Up-regulation of IDO in bacterial vaginosis: role in HPV co-infection.** Paloma Almeida Venancio, Silvy Stuchi Maria-Engler, Marcia Edilaine Lopes Consolaro, Luisa Lina Villa, Sophie Françoise Derchain, Ana Campa, Michelle Garcia Discacciati.

**A47 The emerging role of tissue-resident memory T (Trm) cells in antitumor immunity and cancer immunotherapy.** Marie Boutet, Ludiane Gauthier, Fathia MAMI-CHOUAIB.

### **Oncogenes and Tumor Suppressors**

**A48 Apoptosis induced by NFAT1 in transformed cells is dependent on TNF-alpha sensitivity.** Douglas V. Faget, João P. B. Viola.

### **Precision Medicine / Targeted and Combination Therapies / Drug Resistance**

**A49 BRCA1 deficiency is a recurrent event in early onset triple-negative breast cancer (TNBC): A comprehensive analysis of germline mutations and somatic promoter methylation.** Rafael Canfield Brianese,

Kivvi D. M. Nakamura, Fernanda G. S. R. Almeida, Rodrigo F. Ramalho, Elisa N. Ferreira, Bruna D. F. Barros, Maria N. C. Formiga, Victor P. Andrade, Vladimir C. C. Lima, Dirce M. Carraro.

**A50 7-ketocholesterol loaded-phosphatidylserine liposome induces cell death, autophagy and growth inhibition of Melanoma and Breast Adenocarcinoma.** Giovani Marino Favero, Tharcisio Citrangulo Tortelli, Daniel Fernandes, Ana Paula Prestes, Louise N.B. Kmetiuk, Andreia Hanada Otake, Luciana N.S. Andrade, Daniele de Paula Faria, Camila de Godoi Carneiro, Alexandre Teles Garcez, Fabio L.N. Marques, Roger Chammas.

**A51 Evaluation of Akt molecular targets in colorrectal tumors after radiotherapy and MK2206 treatment.** Jennifer Marx Fernandes, Anamaria A Camargo, Fernanda C Koyama.

**A52 Efficacy of new developed N-cadherin monoclonal antibodies in combination with enzalutamide against castration resistant prostate cancer.** Evelyn A Kono, Naoko Kobayashi, Kirstin Zettlitz, Joyce Yamashiro, Wang Chun, Della Z Hu, Anna M Wu, Robert E Reiter.

**A53 Akt inhibitor MK2206 combination to neoadjuvant radiotherapy: improving the rectal cancer treatment.** Fernanda C Koyama, Camila M Lopes Ramos, Jennifer M Fernandes, Fernanda C Ledesma, Venancio A F Alves, Fernanda C Vailati, Angelita Habr-Gama, Rodrigo O Perez, Anamaria A Camargo.

**A54 Circulating miR-15a, miR-101 and miR-144 to distinguish between benign and malignant breast lesions in women with BI-RADS 4 mammography.** Julia Alejandra Pezuk, Thiago Luiz Araujo Miller, José Luiz Barbosa Bevilacqua, Alfredo Carlos Simões Barros, Felipe Eduardo Martins de Andrade, Luiza Freire de Andrade e Macedo, Amanda Natasha Menardo Claro, Anamaria Aranha Camargo, Pedro Alexandre Favoretto Galante, Luiz Fernando Lima Reis.

**A55 Herpes simplex virus glycoprotein D targets a dendritic cell subset and induces a robust antitumor response to human papilloma virus-associated tumors.** Bruna F M M Porchia, Ana Carolina R Moreno, Rodrigo N Ramos, Mariana O Diniz, Laís Helena T M Andrade, Daniela S Rosa, José Alexandre M Barbuto, Silvia B Boscardin, Luis Carlos S Ferreira.

**A56 Effect of long-chain omega-3 polyunsaturated fatty acids on cisplatin chemoresistance in murine and human melanoma cells.** Renata O Vasconcelos, Simona Serini, Ana Paula S Votto, Gilma S Trindade, Gabriella Calviello.

**A57 Glutathione depletion overcomes chemotherapy resistance in aggressive medulloblastoma stem-like cells.** Beatriz Dias Barbieri, Marina Marçola, Clarissa Rocha, Oswaldo Keith Okamoto.

**A58 Bcr-Abl independent activation of Erk1/2 in an imatinib resistant cell line.** Danielle Cardoso da Silva, Miguel A Moreira, Raquel C Maia, Flavia C Vasconcelos.

**A59 Impact of NGS four-gene panel in screening genes with potentially therapies in NSCLC.** Carolina Bustamante, Maíra Cristina Menezes Freire, Natália Penido Lopes, Mariano Zalis.

**A60 Full-length transcripts identification from deep transcriptomic analysis of Bothrops jararaca venom gland.** Elisa Alves Messias, Flavia Coltri Eguchi, Bruna Pereira Sorroche, Angela Das Neves Oliveira, Lidia Maria Rebolho Batista Arantes, Ana Carolina De Carvalho, Anita mitico tanaka Azevedo, Kathleen Fernandes Grego, Matias Eliseo Melendez, Andre lopes Carvalho.

**A61 Identification of therapeutic proteins in venom gland of Ectatomma opaciventre for head and neck tumor therapy.** Ângela das Neves Oliveira, Lucas Ian Veloso Correia, Lídia Maria Rebolho Batista Arantes, Ana Carolina de Carvalho, Elisa Alves Messias, Bruna Pereira Sorroche, Flávia Coltri Eguchi, Renata Santos Rodrigues, Matias Eliseo Melendez, André Lopes Carvalho.

**A62 IN VIVO ELECTROPORATION IMPROVES THE IMMUNE RESPONSES INDUCED BY A DNA VACCINE AND CONFERS COMPLETE ANTITUMOR PROTECTION AGAINST HPV-ASSOCIATED TUMORS.** [Natiely Silva Sales](#), Mariana de Oliveira Diniz, Jamile Ramos Silva, Mariângela de Oliveira Silva, Bruna F M M Porchia, Luana R M M Aps, Luis Carlos Souza Ferreira.

**A63 Combination of non-lethal photosensitization with a new imidazacridine derivate reduce UACC-62 cell viability.** [Renata V C Santos](#), Artur F S Barbosa, Mardonnny B O Chagas, Maria C A Lima, Michelly C Pereira, Ivan R Pitta, Maira G R Pitta, Moacyr J B M Rego.

**A64 Exosomes-mediate microRNAs transfer in breast cancer chemoresistance regulation.** [Juliana Carvalho Santos](#), Marcelo Lima Ribeiro, Sophie Françoise Derchain.

**A65 IN VIVO NEUTRALIZATION OF IL-10 ENHANCES THE ANTITUMOR EFFECTS OF A THERAPEUTIC VACCINE AGAINST HPV-ASSOCIATED TUMOR.** [Jamile Ramos da Silva](#), Natiely Silva Sales, Mariangela de Oliveira Silva, Luana MM Aps, Luis Carlos de Souza Ferreira, Mariana de Oliveira Diniz.

**A66 Anticancer Activity of Selective TrkB Inhibition in Medulloblastoma Cells.** [Amanda Thomaz](#), Kelly V Pinheiro, Camila A da Silva, Caroline B de Farias, Rafael Roesler.

**A67 Jarid1b protects from metformin-induced chemosensitization to cisplatin through p53 downregulation in NSCLC.** [Tharcisio Citrangulo Tortelli](#), Rodrigo Esaki Tamura, Michele Tatiana Pereira Tomitao, Silvina Odete Bustos, Renata de Freitas Saito, Sarah Milani de Moraes Leandrini, Mayara D'Aurea Jacomassi, Ulysses Ribeiro, Bryan Erik Strauss, Roger Chammas.

#### Other

**A68 Effect of curcumin-nanoemulsion associated with Photodynamic Therapy in HPV-16 E6 positive vulvar carcinoma cell lines..** [Marilia F Calmon](#), Caroline M Bonfim, Leticia F Monteleoni, Natalia M Candido, Silvana M Quintana, patricia P S Melli, Fernando L Primo, Camila F Adamantino, Tedesco C Antonio, Paula Rahal.

**A69 Epidemiological, Clinical-Pathological and Therapeutic characterization and its correlation with ethnic ancestry in patients with colorectal cancer of the Barretos Cancer Hospital.** [Ronilson Oliveira Duraes](#), Rui MV Reis, Denise P Guimaraes, Gustavo N Berardinelli, Marco A Oliveira, Cristovam S Neto.

**A70 Colorectal carcinogenesis is precluded by intestinal Treg cells accumulation in post-sepsis state.** [Caio Abner Vitorino Goncalves Leite](#), Jose Mauricio Segundo Correia Mota, Kalil Alves Lima, Leticia Almeida Nascimento, Marcela Davoli Ferreira, Paula Ramos Viacava, Maria Dirlei Begnami, Jose Carlos Alves Filho, Roberto Cesar Pereira Lima Junior, Vladimir Claudio Cordeiro Lima, Fernando Queiroz Cunha.

**A71 Effect of oxysterols in adipose tissue-derived mesenchymal stem cell.** [Debora Levy](#), Suelen Silva, Thatiana Melo, Jorge Ruiz, Cesar Isaac, Maíra Fidelis, Alessandro Rodrigues, Sergio Bydlowski.

**A72 Cytokine expression profile in keratinocytes transduced with HPV oncogenes.** [Rafaela Almeida Lima Nunes](#), Gabriela Ávila Fernandes Silva, Silvaneide Aparecida Ferreira, Laura Slichero, Luisa Lina Villa, Enrique Boccardo, Lara Termini.

**A73 GD3 ganglioside-enriched extracellular vesicles stimulate melanocyte migration.** [Andreia H Otake](#), Ana Paula M Duarte, Renata de Freitas Saito, Alexandre F Ramos, Roger Chammas.

**A74 FXYD5/Dysadherin: A novel molecular marker of endometrial cancer myometrial invasion. Studies done with endometrial tissues and uterine aspirates.** [María José Besso](#), Marina Rosso, Cristian Moiola, María Victoria Mencucci, Jaume Reventós, Eva Colás, Roberto Orti, Alejandra Wernicke, Antonio Gil-Moreno, Mónica Hebe Vazquez-Levin.

**A75 CD99 role in glioblastoma cell migration.** Laís Cavalca Cardoso, Antonio Marcondes Lerario, Carlos Eduardo de Carvalho Brantis, Vanessa Galdeno Freitas, Roseli da Silva Soares, Suely Kazue Nagahashi Marie, Sueli Miekko Oba-Shinjo.

**A76 Cytokine-rich serum promotes progression of B-RAF mutated melanoma cell line.** Debora Mocellin, Tamara Dal Mora, Leticia O S Bratti, Mariana Felipe, Iara F Kretzer , Adny H Silva, Fabiola B F Monteiro .

**A77 Higher expression of lysyl oxidase family in GBM mesenchymal subtype and the clinical impact of LOXL3.** Roseli Silva Soares, Talita Sousa Laurentino, Suely Kazue Nagahashi Marie, Sueli Miekko Oba-Shinjo.

**A78 EGF+61 A>G polymorphism is not associated with lung cancer risk in Brazilian population.** Ana Carolina Laus, Flavia Escremim de Paula, Marcos Alves de Lima, Carolina Dias Carlos, Izabela Natalia Faria Gomes, Pedro Rafael Martins de Marchi, Luciano de Souza Viana, Rui Manuel Vieira Reis.

**A79 Chemosensitizer effect of [10]-gingerol in triple negative breast cancer cell line.** Ana Carolina M Martin, Rebeka Tomasin, Paulo Cesar Vieira, Marcia Regina Cominetti.

**A80 Differential expression of claudin-3 during colorectal tumorigenesis and its role in modulation and interaction with other tight junction proteins.** Waldemir Fernandes de Souza, Perôny da Silva Nogueira, Maria Teresa dos Santos Guedes, Bruno Kaufmann Robbs, Joao Paulo de Biaso Viola, José Andrés Morgado-Díaz.

**A81 Heme oxygenase 1 alters the adhesive properties of prostate tumor cells growing in co-culture with bone cells..** Alejandra Veronica Paez, Nicolas Anselmino, Pia Valacco, Elba Susana Vazquez, Geraldine Gueron.

**A82 Epithelial-mesenchymal transition (EMT) genes are involved in the behavior and aggressiveness of neuroendocrine lung carcinomas (NELC) and non-small cell lung cancer (NSCLC): A comparative analysis.** Tabatha Gutierrez Prieto, Vanessa Karen de Sá, Eloisa Helena Ribeiro Olivieri, Eduardo Caetano Albino da Silva, Rui Manuel Reis, Dirce Maria Carraro, Vera Luiza Capelozzi.

**A83 Genes of epithelial-mesenchymal transition (EMT) reveals impact on progression and metastasis of neuroendocrine lung carcinomas : A preliminary study.** Tabatha Gutierrez Prieto, Vanessa Karen de Sá, Eloisa Helena Ribeiro Olivieri, Eduardo Caetano Albino da Silva, Rui Manuel Reis, Dirce Maria Carraro, Vera Luiza Capelozzi.

**A84 Annexin A2 as a regulator of colorectal tumorigenesis: Influence over epithelial-mesenchymal transition and invasive abilities..** Murilo Ramos Rocha, Annie Cristhine Moraes Sousa Squiavinato, Pedro Barcellos de Souza, Jose Andres Morgado Diaz.

**A85 Brazilian intestinal gastric cancer display a common molecular signature with worldwild.** Everton Cruz Santos, Renata Binato , Demachki Samia, Paulo Pimentel Assumpção, Eliana Abdelhay.

**A86 Cytoskeleton modulation through cofilin-1 inhibits cell migration and invasion in epithelial-mesenchymal transition of colorectal cancer cell line.** Annie C. M. S. Squiavinato, Renata Ivo Vasconcelos, Murilo Ramos Rocha, Pedro Barcellos-de-Souza, Jose Morgado-Díaz.

**A87 Characterization of the involvement of transcriptional repressor IRF2BP2 on T cell proliferative response.** Barbara L.M.O Vieira, Cristiane S Secca, Giuliana Mognol, Anjana Rao, João P.B. Viola.



AACR International Conference

# Translational Cancer Medicine

In cooperation with the Latin American Cooperative Oncology Group

May 4-6, 2017 | São Paulo, Brazil

**AACR**  
American Association  
for Cancer Research



**Poster Session B**  
**Saturday, May 6**  
**13:00-15:00**  
**Grand Ballroom III/Foyer**

## Liquid Biopsies/Organoids/PDX

**B01 MicroRNA expression in tumors and liquid biopsy samples from patients with pancreatic ductal adenocarcinoma: identification of clinically relevant pathways.** TAINARA F FELIX, [NATALIA BERTONI](#), TOMAS TOKAR, MARIA A. M. RODRIGUES, ROGERIO A OLIVEIRA, CLAUDIA N HASIMOTO, JUAN C LLANOS, IGOR JURISICA, SANDRA A DRIGO, ROBSON F CARVALHO, PATRICIA P REIS.

**B02 Liquid Biopsy for Screening of Driver Mutations in EGFR Gene: Personalized Medicine for Use Tyrosine Kinase Inhibitors in Non-Small Cell Lung Cancer Patients.** [Priscila D R Cirillo](#), Natália P Lopes, Carolina Bustamante, Agatha A Morais, Natália L Viana, Camila S Portella, Elvis C C Mateo, Maíra C M Freire, Mariano G Zalis.

**B03 Sequential liquid biopsies reveal dynamic alterations of EGFR driver mutations and indicate EGFR amplification as a new mechanism of resistance to Osimertinib in NSCLC.** [Franciele Knebel](#), Fabiana Bettoni, Andrea Shimada, Manoel Cruz, João Victor Alessi, Marcelo Negrão, Luiz Fernando Reis, Artur Katz, Anamaria Camargo.

**B04 The effects of saliva exosome-like extracellular vesicles from locally advanced OSCC patients on OSCC cell lines.** Karina A Bispo, Fabyane O.T. Garcia, Tércia A.C.B. Carvalho, Milena P Mak, Gilberto de Castro Jr, [Fatima S Pasini](#).

**B05 Pre-clinical evaluation of genome-informed therapy for osteosarcoma using patient derived xenografts.** Leanne Sayles, Marcus Breese, Amanda Koehne, Leung Stan , Marina Neyssa, Spunt Sheri, Lee Alex, Aviv Spillinger, Steve Dubois, Rafi Avedian, Doug Hawkins, Mohler David, [Alejandro Sweet-Cordero](#).

**B06 Circulating tumor cell analysis in locally and advanced colon cancer: apilot study.** [Emne Abdallah](#), VIRGÍLIO SILVA, BIANCA FLORES, ALEXCIA Braun, ANA URVANEGIA, VANESSA ALVES, MARCELLO FANELLI, SAMUEL AGUIAR, LUDMILLA CHINEN.

**B07 CTC and CTM detection in sarcoma patients.** [Alexcia C Braun](#), Celso A L Mello, Marcelo P Corassa, Alves S Vanessa, Emne A Abdallah, Nicolau R Ulisses, Mônica T M Díaz, Bianca T C P Flores, Marcelo F Fanelli, Patrizia Paterlini-Brechót, Ludmilla T D Chinen.

**B08 LOCALLY ADVANCED RECTAL CANCER: IDENTIFICATION OF RADIO/CHEMOTHERAPY RESISTANCE-RELATED PROTEINS AND MOLECULAR ANALYSES OF BLOOD COMPONENTS.** [BIANCA FLORES](#), VIRGÍLIO SILVA, EMNE ABDALLAH, ALEXCIA BRAUN, ANA URVANEGIA, VANESSA ALVES, SAMUEL AGUIAR, MARCELLO FANELLI, LUDMILLA CHINEN.



## Oncogenes and Tumor Suppressors

**B09 Exploring IKK $\beta$  as an anti-angiogenic therapeutic target in KRAS-induced lung cancer.** Tatiana C Carneiro-Lobo, Edmilson Ozorio dos Santos, Luiza Coimbra Scalabrini, Laura B Cardeal, Albert S Baldwin, Ricardo José Giordano, [Daniela S Basseres](#).

**B10 CGNT: a database of cancer genes explored in a non-tumoral context.** [Vanessa C Buzatto](#), Thiago A Miller, Daniel T Ohara, Francisco Ivanio, Anamaria A Camargo, Pedro A.F. Galante.

**B11 Prostate apoptosis response-4 (PAR4) secretion in breast tumor and normal cell lines cultured in hypoxic conditions.** [Simone Aparecida de Bessa Garcia](#), Irina Gueroldovna Brobovitchaia, Flavia Rotea Mangone, Maria Aparecida Nagai.

**B12 HPV-positive tumor cell lines exhibit major alterations in Toll-like receptor pathways and depend on HMGB1 expression.** [Mirian Galliotte Morale](#), Walason da Silva Abjaude, Aline Montenegro da Silva, Luisa Lina Villa, Enrique Boccardo.

**B13 BLM, FOXO3, FOXK2, FOXM1, FOXR1 GENES AS THERAPEUTIC TARGETS TO NEUROBLASTOMA..** [Thamiris Magalhaes Gimenez](#), Nathalia Halley Neves, Andreia Rangel Santos, Fabio A Marchi, Leslie Kulikowski, Lilian M Cristofani, Estela M Novak, Vicente Odone Filho.

**B14 Characterization of p53-HDM2 inhibitor in Nucleotide Excision Repair deficient cell line.** Douglas Felipe de Lima Silva, Ana Rafaela de Souza Timoteo, Lucymara Fassarela Agnez Lima, [Tirzah Braz Petta Lajus](#).

**B15 Copy number and mRNA expression alterations of the PI3K/AKT and inflammatory pathways in penile cancer patients.** [Silma Regina Ferreira Pereira](#), Juliana Melo Macedo, Marta Regina de Castro Belfort, Elis Vanessa de Lima Silva, Leudivan Ribeiro Nogueira, José Ribamar Calixto, Ronald Coelho, Antonio Augusto Lima Teixeira Júnior, Jaqueline Diniz Pinho, André Salim Khayat, Gyl Eanes Barros Silva, Luciane Regina Cavalli.

**B16 PROGNOSTIC EVALUATION OF COMPONENTS ASSOCIATED WITH EPITHELIUM-MESENQUIMAL TRANSITION IN WOMEN WITH SEROUS CARCINOMA OF HIGH OVARY GRADE.** [Susana Oliveira Ramalho](#), Luis Otávio Sarian, Rodrigo Natal, Liliana Andrade, Amanda Ferracini, Marina Pavanello, Cassio Cardoso Filho, Sophie Derchain.

**B17 Gene therapy and chemotherapy cooperate to inhibit prostate cancer progression in an animal model.** [Rodrigo Esaki Tamura](#), Bryan Eric Strauss.

**B18 Metabolic signature characterization in prostate cancer mediated by Heme-oxygenase 1.** [Valeria G Antico Arciuch](#), Nicolas Anselmino, Alejandra Paez, Florencia Cascardo, Javier Cotignola, Geraldine Gueron, Elba Vazquez.

**B19 Modulation of MAPK and PI3K-AKT signaling pathways and poor prognosis are associated with loss of RKIP..** [Nathália Cristina Campanella](#), Matias Melendez, Lucas Abrahão-Machado, Cristovam Scapulatempo-Neto, Denise Peixoto Guimarães, Rui Reis.

**B20 CD151 gene expression in vulvar cancer cells seems to correlate to tumor progression.** Henderson Junior Narciso, Kelly Pedrozo Ferreira, [Natalia Garcia](#), Edmund Chada Baracat, Kátia Candido Carvalho .

**B21 TGF-beta Receptor I/II Signaling at Primary Cilia Membrane is Regulated by Ceramide to Modulate Cell**

**Migration.** [Salih Gencer](#), Besim Ogretmen.

**B22 High prevalence of TSC2 germline missense mutations in non-Tuberous Sclerosis patients with gastroenteropancreatic neuroendocrine neoplasia.** [Rudinei Diogo Marques Linck](#), Paula Fontes Asprino, Jônatas Eduardo da Silva Cesar, Florêncio Porto Freitas, Fernanda Christtanini Koyama, Rachel Simões Pimenta Riechelmann, Pedro Alexandre Favoretto Galante, Frederico Perego Costa, Paulo Marcelo Gehm Hoff, Diogo Meyer, Anamaria Aranha Camargo, Jorge Sabbaga.

**B23 Gene expression and putative role of OPNc splicing isoform in mediating chemotherapy tumor resistance.** [Mariana Concentino Menezes](#), Isabella Guimarães, Amanda O' Neil, Letícia Rangel, Raquel Ciualschi Maia, Gabriela Nestal de Moraes, Etel RP Gimba.

**B24 ROLE OF DERMICIDIN IN GROWTH AND SURVIVAL OF MELANOMA TUMOR CELLS.** [Jennifer N Montoya](#), Marcela N Perez-Sosa, Beatriz A Sangiuliano, Jose E Belizario.

**B25 Meformin and LY294002 treatment regulate angiogenesis process through PI3K-MAPK/AKT/mTOR signaling pathways in mammary tumors.** [Marina Gobbe Moschetta](#), Camila Leonel, Larissa Bazela Maschio-Signorini, Thaiz Ferraz Borin, Gabriela Bottaro Gelaleti, Lúvia Carvalho Ferreira, Bruna Victorasso Jardim-Perassi, Nathália Martins Sonehara, Debora Aparecida Pires de Campos Zuccari.

**B26 AdCDKN2aIRESp53: A bicistronic adenoviral vector for glioblastoma gene therapy.** [DANIEL VIEIRA C OLIVEIRA](#), Eugenia Costanzi-Strauss, Bryan E Strauss.

**B27 Tackling mammary tumors by disrupting cancer stem cells via modulation of developmental signaling pathways.** [Maria Cristina Rangel](#), Ahmed Raafat, Nadia P. Castro, Malgorzata Klauzinska, Teresa Kosakowska-Cholody, Fariba Behbod, Stephen Lockett, Robert Callahan, Roger Chammas, David Salomon.

**B29 Evaluation of the functional role and the potential prognostic value of the members of the PHLDA family (pleckstrin homology-like domain family A) using data mining..** [Maira Andrea Valoyes](#), Alexandre Ramos, Maria Aparecida Nagai.

**B30 PTEN loss associates with type I and II IFN response in prostate cancer.** [Thiago Vidotto](#), Jeremy Andrew Squire, Madhuri Koti.

**B31 Death of endothelial cells induced by paracrine exposure to factors derived from murine melanoma cells upon interferon-beta gene therapy.** [Igor de Luna Vieira](#), Rodrigo Esaki Tamura, Bryan Eric Strauss.

#### **Precision Medicine / Targeted and Combination Therapies / Drug Resistance**

**B32 Translational potential of a small molecule silibinin in colorectal cancer: targeting cancer stem cells and their inflammatory niche.** [Rajesh Agarwal](#), Chapla Agarwal.

**B33 Synergistic effect of gefitinib and arsenic trioxide in acute promyelocytic leukemia.** [Luciana Yamamoto Almeida](#), Cleide Lúcia Araújo Silva, Isabel Weinhaüser, Larissa Ananias Cândido, Priscila Santos Scheucher, Camila Cristina Oliveira Menezes Bonaldo, Bárbara Amélia Aparecida Santana, Ana Sílvia Gouvêa Lima Yamada, Eduardo Magalhães Rego.

**B34 Pyrimidobenzimidazoles as a potential new drug to treat human melanoma.** [Jéssica Gonçalves Azevedo](#),

Iago Carvalho Schultz, Jacqueline Fraga de Souza Santos, Silvy Stuchi Maria-Engler, Guido Lenz, Marcia Rosângela Wink.

**B35 Metabolomic signatures in patients with advanced epithelial ovarian cancer: correlation with clinical response parameters in a phase II study.** Paulo D'Amora, Ismael Dale Cotrim Guerreiro Silva, Rodrigo de Aquino Castro, Batista Marcia Salzgeber, Robert Bristow, Steven Evans, Philip J DiSaia, Alan Nagourney Robert .

**B36 The response of colorectal cancer cells to 5-FU and Oxaliplatin mimicking the clinical schedule involves the interplay between of apoptosis, senescence and cytoprotective autophagy.** Andréa Baldasso Zanon, Nayara Franco, Patrícia Luciana da Costa Lopez, Guido Lenz, Eduardo C. Filippi-Chiela.

**B37 PIN-2: A novel “ immunopriming” polypeptide initiates a peripheral-systemic innate and adaptive immune response in an aggressive 4T1 murine mammary carcinoma model.** Joshua B Goldberg, Sophie J Hanscom, Colin B Bier.

**B38 Molecular Mechanisms and Therapeutic Implications of Argininosuccinate Synthesis 1 Regulation in Targeted Arginine- and Glutamine-Starvation Cancer Therapy.** Macus Tien Kuo, Wen-Bin Tsai, Yan Long.

**B39 Potentiation of doxorubicin low-dose efficacy through its association with p19Arf/Interferon-beta immunotherapy: Combining two immunogenic cell death inducers for the treatment of cancer.** Ruan FV Medrano, Samir A Mendonca, Aline H Ribeiro, João PP Catani, Valker A Feitosa, Elaine G Rodrigues, Bryan E Strauss.

**B40 Targeting Cholesterol Transport in Castration Resistant Prostate Cancer.** Rachana Patel, Ernest Mui, Carolyn Loveridge, Peter Repiscak, Imran Ahmad, Freddie C Hamdy, Ann Hedley, Gillian Mackay, Joanne Edwards, Owen J Sansom , Hing Y Leung.

**B41 Transcriptome and proteome analyses of MCF7 cells with different expression profile of SPARC (secreted protein acidic in rich in cysteine) in the presence and absence of Docetaxel.** Ana Carolina Pavanelli, Luciana Pizzatti Barboza, Eliana Saul Furquim Werneck Abdelhay, Maria Aparecida Nagai .

**B42 Safer approaches to colorectal cancer chemoprevention.** Chinthalapally V Rao, Altaf Mohammed, Naveena B Janakiram .

**B43 Validation of a network-based strategy for the optimization of combinatorial target selection in breast cancer therapy.** Tatiana Martins Tilli, Nicolas Carels, Jack Adam Tuszynski, Manijeh Pasdar.

**B44 Radiation therapy induced a supra-additive cytotoxic effect in cervical cancer cell line when combined with mTOR inhibitors.** Daniele Xavier Assad, Gabriel Alvares Borges, Samuel Avelino, Eliete Neves da Silva Guerra.

**B45 Rab5C enhances resistance to ionizing radiation in rectal cancer.** Antuani Rafael Baptistella, Marcos Vinicios Salles Dias, Fernanda Giudice, Bruna Roz Rodrigues, Petrus Paulo Combas Eufrazio Silva, Edson Kuatelela Cassinela, Tonielli Lacerda, Fabio Marchi, Adriana Franco Paes Leme, Maria Dirlei Begnami, Samuel Aguiar Junior, Vilma Regina Martins.

**B46 Role of TNF- $\alpha$  and transcriptional factors YB-1 and NF $\kappa$ B in P-glycoprotein expressing cancer cells.** Tandressa Berguetti, Paloma Souza, Raquel Maia.

**B47 Pterocarpanquinone LQB-118 induces apoptosis mediated by Akt and Erk pathways in glioblastoma cells.** Paula Sabbo Bernardo, Gustavo Henrique Cardoso Guimarães, Fernanda Casal de Faria Costas , Giselle Pinto de Faria Lopes , Chaquip Daher Netto, Paulo Roberto R Costa, Raquel Ciuvalschi Maia.

**B48 Proteomic analysis of extracellular vesicles from resistant gastric cancer cell line.** edson Kuatelela Cassinela, Gabriela Pintar Oliveira, Michele Christine Landemberger, Vilma Regina Martins.

**B49 Perillyl alcohol: Dynamic interactions with the lipid bilayer and implications for long term inhalational chemotherapy for gliomas.** CLOVIS FONSECA.

**B50 Personna Onco: a multi-cancer panel for mutational screening in a Brazilian cohort.** Maíra Cristina Menezes Freire, Michele Araújo Pereira, Priscila Daniele Ramos Cirillo, Natália Penido Lopes, Carolina Bustamante, Rafael Lucas Muniz Guedes, Mariano Zalis.

**B51 Targeted nanoparticle approach to treating metastatic prostate cancer.** Andrew Gdowski, Amalendu Ranjan, Marjana Sarker, Jamboor Vishwanatha.

**B52 The new LQB-223 compound modulates ERK1/ERK2 MAP kinase pathway, and microRNA-7, in glioblastoma cell lines exhibiting different radioresistance profiles.** Gustavo Henrique Cardoso Guimaraes, Paula Sabbo Bernardo, Paulo Roberto Ribeiro Costa, Camilla Djenne Buarque, Raquel Ciuvalschi Maia.

**B53 SONIC HEDGEHOG INHIBITION IN GLIOBLASTOMA POTENCIALIZES TEMOZOLOMIDE EFFECT?.** Jessica Honorato, Giselle Pinto de Faria Lopes, Gabriela Basile, Vivaldo Moura-Neto, Tania Spohr.

**B54 Targeting constitutively active RAS signaling in high grade serous ovarian carcinoma (HGSOC) with ADT-006, a novel small molecule that blocks RAS-effector interactions.** Luciana Madeira da Silva, Tyler E Mattox, Adam B Keeton, Bing Zhu, Kristy L Berry, Alla Musiyenko, Elaine Gavin, Kevin Lee, Veronica Ramirez-Alcantara, Yulia Y Maxuitenko, Xi Chen, Jacob Valiyaveetil , Michael R Boyd, Jennifer Scalici, Rodney Rocconi, Gary A Piazza.

**B55 Targeting indoleamine 2,3 dioxygenase to improve the efficacy of a therapeutic vaccine against human papillomaviruses-associated tumors.** Ana Carolina Ramos Moreno, Bruna FMM Porchia, Patrícia da Cruz Souza, Roberta Liberato Pagni, Rafael Pegoraro, Luís Carlos de Souza Ferreira.

**B56 Potential biomarkers for personalized oncology radiation in uterine cervical cancer.** Pablo Moreno-Acosta, Schyrly Carrillo, Oscar Gamboa, Alfredo Romero-Rojas, Jinneth Acosta, Diana Mayorga, Mónica Molano, Martha Cotes, Nicolas Magne.

**B57 Meclizine synergistically enhances anticancer effects of paclitaxel in A549 lung cancer cells.** SARAH FERNANDES TEIXEIRA, RICARDO ALEXANDRE DE AZEVEDO, SALOMÃO DÓRIA JORGE, EMER SUAVINHO FERRO, JOSÉ ALEXANDRE MARZAGÃO BARBUTO, ADILSON KLEBER FERREIRA.

**B58 THE EFFECT OF DIFFERENTIAL miRNA EXPRESSION IN GLIOBLASTOMA MULTIFORME MOLECULAR SUBTYPES.** Livia Ferreira Silva Verzola, Thiago Vidotto, Jeremy Andrew Squire.

**B59 Role of Dicer on human melanoma progression and resistance.** Nathalia Cruz de Victo, Sandy Adjemian, Romulo dos Santos Sobreira Nunes, Rildo Aparecido Volpini, Mara Huffenbaecher Giavina-Bianchi, Cyro Festa Neto, Niels Olsen Saraiva Câmara, Gustavo Pessini Amarante-Mendes, Jacqueline de Fátima Jacysyn.

## Tumor Heterogeneity

**B60 ADAM23 effects in proliferative and invasive phenotype of glioblastoma cells.** [Elisa Helena Farias Jandrey](#), Gabriela Filoso Barnabe, Lilian Tiemi Inoue, Paula Fontes Asprino, Natália Cristina Santos, Sueli Miekko Oba Shinjo, Suely Kazue Nagahashi Marie, Frank Furnari, Anamaria Aranha Camargo, Erico Tosoni Costa.

**B61 Evaluation of tumor heterogeneity through analysis of polysomal RNA.** [Fernanda Sulla Lupinacci](#), Hermano Bellato, Martin Roffé, Hellen Kuasne, Tiago Santos, Victor Piana de Andrade, Paulo Sanematsu, Vilma Regina Martins, Silvia Rogatto, Glaucia Hajj.

**B62 Intratumoral genetic heterogeneity in rectal cancer and response to neoadjuvant chemoradiotherapy.** [Cibele Masotti](#), Fabiana Bettoni, Bruna R Correa, Angelita Habr-Gama, Joaquim Gama-Rodrigues, Maria Viana, Bruna B Vailati, Guilherme P Sao Juliao, Laura M Fernandez, Pedro AF Galante, Rodrigo O Perez, Camargo A Anamaria.

**B63 Multiregional sequencing unveiled temporal dynamics of intratumor heterogeneity during colorectal cancer evolution .** [Atsushi Niida](#), Koshi Mimori.

**B64 The role of deubiquitinating enzyme USP17, Hyaluronan synthase 2 and Hyaluronan in Non-Small-Cell Lung Cancer oncogenic transformation.** Merima Mehic, [Vanessa Karen de Sá](#), Sandra Hebestreit, Paraskevi Heldin, Carl Henrik Heldin.

**B65 Measuring intratumoral heterogeneity with a mutant-allele frequency score across distinct cancer types.** Cibele Masotti, [Filipe F. Santos](#), Anamaria A. Camargo, Pedro A.F. Galante.

**B66 P53 expression and survivin subcellular localization contribute to the diagnosis and prognosis of patients with astrocytomas.** [Roberta Soares Faccion\\*](#), Paula Sabbo Bernardo\*, Giselle Pinto de Faria Lopes\*, Leonardo Soares Bastos, Cristina Lordello Teixeira, José Antonio de Oliveira, Priscila Valverde Fernades, Luiz Gustavo Dubois, Leila Maria Chimelli, Raquel Ciuvalschi Maia.

**B67 Cytotoxic effect of isothiuronium salt MF08 in tumorsphere model.** [Marjorie G P Marin](#), Michele P Rode , Laura S Assunção, Iara F Kretzer, Misael Ferreira , Marcus Mandolesi Sá, Tânia B Creczynski-pasa.

**B68 Role of MELK, STMN1 and FANCC in human astrocytoma.** [Fernanda Oliveira Serachi](#), Sueli Miekko Oba Shinjo

## Other

**B69 STUDY OF SUPEROXIDE DISMUTASE-2 PROTEIN IN HPV-MEDIATED CELL TRANSFORMATION.** [Gabriela Ávila Fernandes Silva](#), Rafaella Almeida Lima Nunes, Enrique Boccardo, Luisa Lina Villa, Lara Termini.

**B70 Identification of reference genes for normalizing gene expression for RT-qPCR analysis in established cervical cancer cell lines and their derived cancer stem like cells.** Rafael Paschoal de Campos, Iago Carvalho Schultz, Paola de Andrade Mello, Samuel Davies, Manuela Sangalli Gasparin, Ana Paula Santin Bertoni, [Jéssica Gonçalves Azevedo](#), Andréia Buffon, Márcia Rosângela Wink.

**B71 Stochastic model of contact inhibition and the proliferation of melanoma in situ.** [Mauro Cesar C Morais](#), Izabella Stuhl, Alan U Sabino, Willian W Lautenschlager, Alexandre S Queiroga, Tharcisio C Tortelli, Roger

Chammas, Yuri Suhov, Alexandre F Ramos.

**B72 Signaling and mRNA translation regulation in RSK-deficient LN-18 glioblastoma cell line.** Danielle Nascimento, Martín Roffé, Vilma Regina Martins.

**B73 The association of caffeine, trigonelline and chlorogenic acid, active components from coffee, enhances caffeine-induced cytotoxicity in hepatocellular carcinoma cells.** Guilherme Ribeiro Romualdo, Tereza Cristina Da Silva, Bruno Cogliati, Luis Fernando Barbisan.

**B74 Prevention of breast cancer by withanolides.** Shivendra V Singh.

**B75 The Role of the IMPACT/ GCN1 / GCN2 Translational Control Module in Pancreatic Adenocarcinoma.** Bárbara Bellis, Maria Dirlei Begnami, Helano Carioca Freitas , Vilma Regina Martins , Martin Roffé , Glaucia Noeli Maroso Hajj .

**B76 The role of Stress Inducible Protein 1 (STI1) in brain tumor angiogenesis.** Rodrigo Teodoro Cartaxo, Vilma Regina Martins, Tiago Góss Santos.

**B77 Perillyl alcohol derivatives as anti-cancer agents.** Thomas C Chen, Axel H Schonthal, Florence H Hofman.

**B78 Serum microRNA panel to diagnose important liver diseases.** Alex Evangelista Amaral, Júlia Cisilotto, Michele Patrícia Rode, Evelyn Winter, Adny Henrique Silva, Jelver Sierra-Restrepo, Leonardo de Lucca Schiavon, Tânia Beatriz Creczynski-Pasa.

**B79 The role of PrPC and Rab7 proteins in the biological behavior of head and neck squamous cell carcinoma.** Fernanda Giudice, Bruna Rodrigues, Tonielli Lacerda, Antuani Baptistella, Marcos Dias, Michele Landemberger, Clóvis Pinto, Luiz Paulo Kowalski, Vilma Martins.

**B80 Study of pre-metastatic niches – Evaluation of tumor cell migration and hematopoietic stem cell recruitment.** Juliana Maria Motta, Mariana Paranhos Stelling, Mariana Alves Soares, Maria Julia Mansur Antunes, Joice Côrtes de Abreu, Vitória Gonçalves de Freitas, Mauro Sérgio Gonçalves Pavão.

**B81 SUMO and ubiquitin post-transcriptional modifications regulate the stability of the IRF2BP2 transcriptional cofactor.** Renata Ramalho-Oliveira, Matheus Rajão, Vilenia Souza, João P B Viola.

**B82 Metabolomic analysis reveals association between leucine and lipogenesis for the formation of lipid rafts in the membrane of primary breast tumor samples.** Jéssica Reis, Ismael Dale, Angela Logullo, Maria Mitzi, Dan Waitzberg, Graziela Ravacci.

**B83 The role of inflammatory pathways on cell survival and epithelial-mesenchymal transition in head and neck cancer.** Bruno Sangiorgi, Ildercílio Mota de Souza Lima, Josiane Lilian Schiavinato, Wilson Araújo Silva, Dimas Tadeu Covas, Marco Antônio Zago, Rodrigo Alexandre Panepucci.

**B84 Magnetically guided nanoparticle to mediate siRNA delivery to HER2-positive breast cancer cells.** Tatiane Cristofolini, Milene Dalmina, Jelver Alexander Sierra, Adny Henrique Silva, Frederico Pittella, Tânia Beatriz Creczynski-Pasa.

**B85 Plasmatic levels of arginine, its precursors and acylcarnitines affected by melatonin at specific time of the day.** Rubens Paula Junior, Nathália Martins Sonehara, Debora A. P. C. Zuccari.