

## Poster Presentation Schedule

26<sup>th</sup> Annual Cancer Research Symposium and  
14<sup>th</sup> Annual Spotlight on Junior Investigators  
October 8 – 9, 2020

### THURSDAY POSTER SESSIONS – JUNIOR INVESTIGATORS

#### BLOCK A1 12:10–12:45PM (Three-minute presentation with four-minute Q&A each)

- 1. Effect of a high-fat diet during late stages of pancreatic carcinogenesis in mice**  
Natalia E. Cortez, Aya S. Ead, Joanna Wirkus<sup>1</sup>, Brian V. Hong, Gerardo G. Mackenzie
- 2. Second Primary Malignancy Risk among HIV-Uninfected and HIV-Infected Survivors of Hodgkin Lymphoma: a 30-Year Follow-Up Population-Based Study**  
Renata Abrahão, MD, PhD, MSc, Ann Brunson, Justine Kahn, Qian Li M, Aaron S Rosenberg, Ted Wun, Theresa HM Keegan
- 3. A Qualitative Study of Oncologists' Perceptions of Barriers and Motivating Factors to Clinical Trial Enrollment among Adolescent and Young Adult Cancer Patients**  
Renata Abrahão MD, PhD, MSc, Elysia M. Alvarez, Hiba Naz, Crystal C. Romero, Austin Waters, Anne C. Kirchhoff, Melissa M. Gosdin, Brad H. Pollock, Theresa H.M. Keegan
- 4. Association of Lymphoma Incidence and Lymphoma-Specific Survival with Pesticide Usage in California**  
Christina Poh, John McPherson, Joseph Tuscano, Qian Li, Arti Parikh-Patel, Christoph Vogel, Theresa Keegan

#### BLOCK A2 12:10–12:45PM (Three-minute presentation with four-minute Q&A each)

- 1. Investigating the Role of the Aryl Hydrocarbon Receptor in ERBB4 Regulation**  
Daniel York, Danika Bannasch, Robert Rebhun
- 2. MicroRNA-1291-5p sensitizes pancreatic carcinoma cells to arginine deprivation and chemotherapy through the regulation of arginolysis and glycolysis**  
Mei-Juan Tu, Zhijian Duan, Zhenzhen Liu, Chao Zhang, Richard J. Bold, Frank J. Gonzalez, Edward J. Kim, Ai-Ming Yu
- 3. Repurposing amiloride derivatives in the targeting of cancer cells via lysosomal cell death**  
Michelle G. N. Hu, Anastasia L. Berg, Ashley R. Rowson-Hodel, Michael Keeling, Ruiwu Liu, Kit S. Lam, Kermit L. Carraway, III
- 4. Distinct alterations of chromatin structure underlie cellular context-specific activities of ROR $\gamma$  inhibitors**  
Hongye Zou, Yatian Yang, Zhenrui Shi, Xuesong Wu, Hong-Wu Chen

**BLOCK A3      12:10–12:45PM      (Three-minute presentation with four-minute Q&A each)**

- 1. Novel role of glypican-3 in cancer-induced immunosuppression**  
Tsung-Chieh Shih, Yu-Jui Yvonne Wan
- 2. A Pilot Study of Intratumoral SD-101 (Toll-like Receptor 9 Agonist), Nivolumab, and Radiotherapy for Treatment of Chemotherapy-refractory Metastatic Pancreatic Adenocarcinoma**  
Jasmine C. Huynh, MD, Justin A. Chen, Arta M. Monjazeb, May T. Cho, Edward J. Kim
- 3. A Transformable Delivery System for the Effective Treatment of Pediatric Central Nervous System Tumors**  
Hao Wu, Hongwei Lu, Wenwu Xiao, Hongxu Du, Kit S Lam, Yuanpei Li, Tzu-Yin Lin
- 4. Peripheral blood from relapsed and refractory neuroblastoma patients treated with internalized <sup>131</sup>I-mIBG indicates time-dependent biomarkers of exposure out to 15 days**  
Angela C. Evans, David A. Edmondson, Katherine K. Matthay, M. Meaghan Granger, Araz Marachelian, Daphne A. Haas-Kogan, Steven G. DuBois, Matthew A. Coleman
- 5. Mitochondria as a therapeutic target in the metabolic reprogramming of glioblastoma (GBM)**  
Sandipan Datta, Thomas K. Sears, Kevin Woolard, James M. Angelastro, Gino A. Cortopassi

**BLOCK A4      12:10–12:45PM      (Three-minute presentation with four-minute Q&A each)**

- 1. Fluorescence Lifetime Imaging for Intraoperative Delineation of Oral and Oropharyngeal Cancers**  
Brent W Weyers, Mark Marsden, Takanori Fukazawa, Tianchen Sun, Julien Bec, Andrew C Birkeland, Regina F. Gandour-Edwards, Arnaud F Bewley, Marianne Abouyared, Athena K Tam, D Gregory Farwell, Laura Marcu
- 2. Hybrid nanoplasmonic scaffold reveals the importance of the glycocalyx in liquid biopsy diagnostics using extracellular vesicles**  
Tatu Rojalin, Hanna J. Koster, Juanjuan Liu, Rachel R. Mizenko, Di Tran, Sebastian Wachsmann-Hogiu, Randy P. Carney
- 3. Absorbed dose assessment in 90Y radioembolization patients: A comparison between total-body PET EXPLORER and conventional PET imaging**  
G. Costa, B. Spencer, M. Rusnak, D. T. Caudle, C. Foster, C. T. Vu, E. Roncali
- 4. The Expansion of the One-Bead-One-Compound Combinatorial Chemistry Toolbox**  
Lucas Solano, Kellie Weeks, Kit S. Lam
- 5. Liver Segmentation in CT scans of Patients with Liver Cancer**  
Shaan S. Bhalaru, Amirtaha Taebi, Michael Rusnak, Denise T. Caudle, Catherine T. Vu, Emilie Roncali

**BLOCK A5      12:50 - 1:25PM      (Three-minute presentation with four-minute Q&A each)**

- 1. A CRISPR Screen to Expanding the Therapeutic Atlas for Cancer Treatment**  
J. Antonio Gomez, Colleen Sweeney, David J. Segal
- 2. Incidence of Breakthrough Fungal Infections with Isavuconazole Versus Posaconazole Prophylaxis in AML Patients**  
Michael Wright, PharmD, Benjamin Moskoff
- 3. Nuclear Receptor ROR- $\gamma$  and kinase PBK Drive a Feed-forward Loop in Hyperactivating AR Signaling in mCRPC**  
Xiong Zhang, Zenghong Huang, Jin Li, Christopher P. Evans, Hong-Wu Chen
- 4. Induction of BRCA2 Insufficiency, Genome Instability and Tumorigenesis by SYCP3**  
Ash Jay, Sumit Sandhu, Hang Phuong Le, Jie Liu, Alexander Borowsky, Neil Hunter, Wolf-Dietrich Heyer

**THURSDAY POSTER SESSION – FACULTY INVESTIGATORS**

**BLOCK B1      12:50 - 1:25PM      (Three-minute presentation with four-minute Q&A each)**

- 1. Engrailed-1 and epigenetic vulnerabilities in metastatic pancreatic cancer**  
Chang-il Hwang, Jae Seok Roe, Eunjung Lee, Jihao Reno Xu, Michael Hollingsworth, Christopher Vakoc, David Tuveson
- 2. One-component new-chemical-entity nanomedicine (ONN) to target autophagy in cancers**  
Zhao Ma, Mythili Ramachandran, Dalin Zhang, Daniel P Vang, Gustavo Barisone, Joseph Tuscano, Yuanpei Li

## **FRIDAY POSTER SESSIONS – JUNIOR INVESTIGATORS**

**BLOCK C1      8:00–8:35AM      (Three-minute presentation with four-minute Q&A each)**

- 1. Central Venous Catheter Placement in Neutropenic Pediatric Oncology Patients**  
S.C. Stokes, J.E. Jackson, C.M. Theodorou, K.J. Yamashiro, E.G. Brown
- 2. Central Venous Catheter Placement in Pediatric Oncology Patients: What is the impact of thrombocytopenia?**  
S.C. Stokes, K.J. Yamashiro, C.M. Theodorou, J.E. Jackson, E.G. Brown
- 3. Association Between a Protective Genetic Variant of Indigenous American Origin within the 6q25 Region and Subtype-Specific Breast Cancer Risk in Latin American Women**  
Valentina Zavala, Tatiana Vidaurre, Sandro Casavilca, Carlos Castañeda, Jeannie Vásquez, Fernando Valencia, Zaida Morante, Monica Calderon, Julio Abugattas, Henry Gómez, Hugo Fuentes, Ruddy Liendo Picoaga, Jose M. Cotrina, Zaida Morante, Fernando Valencia, C. Monge-Pimentel, Silvia Neciosup, Bizu Gelaye, Laura Fejerman
- 4. Male breast cancer: characteristics and outcomes in California, 1988 to 2017**  
Frances B. Maguire, Brenda M. Hofer, Cyllene R. Morris, Arti Parikh-Patel, Candice A. Sauder, Theresa H. M. Keegan
- 5. The Sacramento Area Breast Imaging Registry (SABIR): A Rich Resource for Breast Cancer Screening and Outcomes Research**  
Olivia Sattayapiwat, MS, MPH, Michael C.S. Bissell, Evan de Bie, Yang Vang, Diana L. Miglioretti

**BLOCK C2      8:00–8:35AM      (Three-minute presentation with four-minute Q&A each)**

- 1. Phase I/II Trial of BMS-986205 and Nivolumab as First Line Therapy in Hepatocellular Carcinoma**  
Jasmine Huynh, MD, Jingran Ji, Justin Chen, May Cho, Arta M Monjazeb, Sepideh Gholami, Kit Tam, Steven Colquhoun, Souvik Sarkar, Eric Chak, Christopher Bowlus, Catherine Vu, John McGahan, Michael Corwin, Ghaneh Fananapazir, Susan Stewart, Edward Kim
- 2. Hepatocellular Carcinoma Treatment Using a Galectin 1 Inhibitor**  
Tsung-Chieh Shih, Ying Hu, Ruiwu Liu, Kit Lam, Yu-Jui Yvonne Wan
- 3. Promoting ‘Adaptive’ NK Cell Response in Hematologic Cancers.**  
Joshua Meckler, Gustavo A. Barisone, Daniel Vang, William Murphy, Joseph Tuscano
- 4. Nordihydroguaiaretic acid-based nanoparticles for potentiating the antitumor immunity induced by IDO inhibition**  
Xiangdong Xue, Ruonan Bo, Tzu-yin Lin, Arta M. Monjazeb, Yuanpei Li

**5. Analysis of tumor infiltrating NK and T cells highlights IL-15 stimulation and TIGIT blockade as a combination immunotherapy strategy for soft tissue sarcomas**

Sean J. Judge, Morgan A. Darrow, Steve W. Thorpe, Alicia A Gingrich, Edmond F. O'Donnell, Alyssa R. Bellini, Ian R. Sturgill, Logan V. Vick, Cordelia Dunai, Kevin M. Stoffel, Yue Lyu, Shuai Chen, May Cho, Robert B. Rebhun, Arta M. Monjazez, William J. Murphy, Robert J. Canter

**BLOCK C3      8:00–8:35AM      (Three-minute presentation with four-minute Q&A each)**

**1. MiR-124-3p signaling in the control of cancer cell adhesion complexes and invadopodia**

Ling-Long Deng, Hannah Petrek, Mei-Juan Tu, Ai-Ming Yu

**2. Distinguishing Tumor Margins in Glioblastoma multiforme using FLIm**

Silvia Noble Anbunesan, Alba Alfonso-Garcia, Julien Bec, Matthew Bobinski, Mirna Lechpammer, Oluwaseun Adeola Omofoye, Orin Bloch, Laura Marcu

**3. Designer Edible Crops to deliver anti-cancer compounds**

Collin R. Barnum, Morgan P. Connolly, Justin B. Siegel, Patrick M. Shih

**4. Ultralow-Dose CT Imaging with Deep Learning Noise Reduction on the EXPLORER Total-Body PET/CT Scanner**

Jesse Ahlquist, Yasser G. Abdelhafez, Lorenzo Nardo, Ramsey D. Badawi, Jinyi Qi, Guobao Wang

**BLOCK C4      8:00–8:35AM      (Three-minute presentation with four-minute Q&A each)**

**1. Therapeutic targeting of ROR- $\gamma$  induces genome-wide reprogramming of chromatin landscapes in prostate cancer**

Yatian Yang, Junjian Wang, Hongye Zou, Christopher P. Evans, Hong-Wu Chen

**2. Microbial Metabolite Mimicry, a Nano-drug for Colon Cancer Treatment**

Ying Hu, Ruiwu Liu, Kit S. Lam, Yu-Jui Yvonne Wan

**3. Bladder cancer metabolomics identifies important differences in lipid metabolites between metastatic and non-metastatic tumors**

M. Malvina Tsamouri, DVM, Shamira Sridharan, Blythe P. Durbin-Johnson, Marc A. Dall'Era, Paramita M. Ghosh

**4. Mismatch repair proteins regulate homologous recombination to prevent genome rearrangements**

Diedre Reitz, John McPherson, Wolf-Dietrich Heyer

**5. Bioengineered microRNAs in the control of folate cycle related one-carbon metabolism in NSCLC metabolism**

Yixin Chen, Zhenzhen Liu, Mei-Juan Tu, Neelu Batra, Ai-Ming Yu

## **FRIDAY POSTER SESSIONS – FACULTY INVESTIGATORS**

**BLOCK D1      8:40 – 9:15AM      (Three-minute presentation with four-minute Q&A each)**

- 1. Total-Body Dynamic PET of Metastatic Cancer: First Patient Results**  
Guobao Wang, PhD, Mamta Parikh, Lorenzo Nardo, Yang Zuo, Yasser G. Abdelhafez, Jinyi Qi, Terry Jones, Patricia M. Price, Simon R. Cherry, Chong-Xian Pan, Ramsey D. Badawi
- 2. Cross-resistance among next generation anti-androgen drugs through the AKR1C3/AR-V7 axis in advanced prostate cancer**  
Jinge Zhao, Shu Ning, Wei Lou, Joy C. Yang, Christopher P. Evans, Allen C. Gao, Chengfei Liu
- 3. The role of AXL tyrosine kinase in the tumor-immune microenvironment of melanoma**  
Walsh, A. Gingrich, A. Meerlov, R. Nielsen, R. Canter, E.M. Maverakis, A.R. Kirane
- 4. Biomarker Analysis of Neoadjuvant Intralesional Therapy in High Risk Melanoma**  
S. Gholami, S. Chen, R. Nielsen, R. Bold, R. Canter, E.M. Maverakis, A.R. Kirane

**BLOCK D2      8:40 – 9:15AM      (Three-minute presentation with four-minute Q&A each)**

- 1. Bi- and tri-specific antibodies for hematologic malignancies and solid tumors.**  
Gustavo A. Barisone, Daniel Vang, Joshua Meckler, William Murphy, Joseph Tuscano
- 2. Pro-tumorigenic effects of olfactomedin-like 3 in glioma**  
R.G. Toedebusch, L.A. Wittenburg, L.M. Joseph, E.T. Debebe, C.M. Toedebusch
- 3. Impact of the Aryl Hydrocarbon Receptor signaling pathway in Breast Cancer development**  
Christoph F. A. Vogel, Gwendal Lazennec, Francis He, Alejandro Castaneda, Yasuhiro Ishihara, Sarah Y. Kado, Carla Dahlem, Thomas Haarmann-Stemmann, Colleen Sweeney

