1. Successful DSB repair events at specific loci on a single cell level
   Irina Vaysertreyger and Jacqueline Barlow

2. Expression analysis of white blood cells from cancer patients treated with a targeted radionuclide $^{131}$I-mIBG; Identifying biomarkers of response to neuroblastoma treatment.
   Angela Evans, Jackson Swift, Angeles L Mora, Paul Wilson, Andrew Vaughan, Clifford Tepper, Stephenie Liu, Ryan Davis, Erin E. Karski, Katherine K. Matthay, M. Shelly Allen, Steven G. DuBois and Matthew Coleman

   Clifford G. Tepper, Ruth L. Vinall, Ryan R. Davis, Stephenie Y. Liu, Stephanie Soares, Regina Gandour-Edwards, Chong-xian Pan, Susan L. Stewart, and Ralph W. de Vere White

4. Subsequent primary malignancies after diffuse large B-cell lymphoma in the modern treatment era
   Theresa H.M. Keegan, Christina A. Clarke, Aaron S. Rosenberg, Ranjana H. Advani, Brian A. Jonas, Christopher R. Flowers, Li Tao

5. Predictors of Neck Reoperation in 35,538 Californians with Differentiated Thyroid Cancer
   Theresa H.M. Keegan, Ann Brunson, Alison M. Semrad, D. Gregory Farwell, Thomas J. Semrad

6. MUSE: A New, Fast, Simple Microscopy Method for Slide-Free Histology and Surface Topography
   Farzad Fereidouni, Zachary T. Harmany, Miao Tian, Austin Todd, Stavros G. Demos, Mirna Lechpammer, and Richard Levenson

7. Prognostic value of 18F-FDG PET/CT measures of body composition in patients with esophageal adenocarcinoma
   Cathy Zhou, Brent Foster, Cameron Foster, Rosalie Hagge, Robert D. Boutin, and Abhijit Chaudhari

8. Up-regulation of MARCKS in Kidney Cancer and its Potential as a Therapeutic Target
   Ching-Hsien Chen, Lon Wolf R. Fong, Eric Yu, Reen Wu, Josephine F. Trott, Robert H. Weiss

9. Noncoding RNA Carrier (nCAR): A Versatile Approach to High-Yield and Large-Scale Bioengineering of RNAi Agents
   Pui Yan Ho, Neelu Batra, Joseph Jilek, Ai-Ming Yu

10. Microdose-induced drug-DNA adducts as biomarkers of chemotherapy resistance in bladder cancer
    Maike Zimmermann, Sisi Wang, Tzu-yin Lin, Hongyong Zhang, Michael Malfatti, George Cimino, James Keck, Ralph de Vere White, Kenneth W. Turteltaub, Chong-xian Pan and Paul T. Henderson

11. MicroRNA-1291 targets the FOXA2-AGR2 pathway to suppress pancreatic cancer cell proliferation and tumorigenesis
    Mei-Juan Tu, Yu-Zhuo Pan, Jing-Xin Qiu, Edward J. Kim, Ai-Ming Yu

12. Bioengineered miRNA Let-7c is effective to sensitize bladder cancer cells to cisplatin
    Allan H. Yu, Mei-Juan Tu1, Neelu Batra, Pui Yan Ho, Zhi-Jian Duan, Hong-Yong Zhang, Chong-Xian Pan, Ai-Ming Yu

13. Network-based strategy for predicting combinations of compounds
    Nelson Johansen, Gerald Quon
14. Quantitative Methods for Assessing Metastatic Potential of Human Primary Tumors Using Carbon-4
   Nicholas R. Hum, Kelly A. Martin, Kurt W. Haack, Deepa K. Murugesh, Bruce A. Buchholz and Gabriela G. Loots

15. Improving histologic co-registration between tissue specimens and time-resolved fluorescence images for breast tumor margin delineation
   Michael Sun Tianchen, Yi-Ling Chen, Jakob Unger, Jennifer E. Phipps, Kwan-Liu, Morgan Darrow, Richard J. Bold, Laura Marcu

16. Autofluorescence lifetime imaging during transoral robotic surgery: a clinical validation study of tumor detection
   João Lagarto, Jennifer Phipps, Jakob Unger, Leta Faller, Dimitris Gorpas, Dinglong Ma, Julien Bec, Michael G. Moore, Amaud F. Bewley, Diego R. Yankelevich, Jonathan Sorger, Gregory Farwell, Laura Marcu

17. Using live-cell imaging technology to identify drivers of resistant lung cancer cell subpopulations
   Alex E. Davies, Abhineet Ram, Breanne Sparta, Taryn E. Gillies, Michael Pargett, Satoshi Kanda, and John G. Albeck

18. Combined inhibition of FMS-like Tyrosine Kinase 3 (FLT3) and Inhibitors of Apoptosis Proteins (IAP) as a novel approach to the treatment of Acute Myeloid Leukemia (AML)
   Tiffany M. Scharadin, Maike Zimmermann, Paul T. Henderson, and Brian A. Jonas

19. CD47 as a Target for Immune-radiotherapy for HER2 Expressing Breast Cancer Cells
   Soheila Azghadi, Demet Candas, Cheikh Menaa, Ming Fan, Lin Liu, Weibing Zhou, Colleen Sweeney, Rulong Shen, Tzu-yin Lin, Chong-xian Pan, Andrew T. Vaughan, Ji Ming Wang, Arta M. Monjazeb, Hong-Wu Chen, Kit Lam, William J. Murphy, and Jian Jian Li

20. Elucidating Cross-Resistance Between Docetaxel and Cabazitaxel in Castration Resistant Prostate Cancer
   Alan Lombard, Chengfei Liu, Wei Lou, Allen Gao

   Hakan Orbay, Heath Charvet, Katharine Hinchcliff, Tima Dehghani, Mankushpreet Kaur, David E. Sahar

22. KSHV Chromatin Looping Facilitates Effective Gene Expression; Gene Cluster Activation via Direct K-Rta Binding at a Viral Chromatin Hub
   Mel Campbell, Tadashi Watanabe, Kazushi Nakano, Christopher Chen, Ryan Davis, Clifford G. Tepper, Masahiro Fujimuro, and Yoshihiro Izumiya

23. Recent Developments in High Resolution PET detectors
   Abdullah A. Refaey, Ramsey D. Badawi
1. The Use of Endometrial Cancer Patient-Derived Organoid Culture for Drug Sensitivity Testing is Feasible  
   Eugenia Girda MD, Eric Huang MD, Gary Leiserowitz MD, Lloyd H. Smith MD, PhD

2. Bioengineering MicroRNA-298 and Anti-miR-126 Agents for Cancer Therapy Research  
   Ravina Sidhu, Neelu Batra, Pui Yan Ho, Ai-Ming Yu

3. Elucidating the role of BHLHE40/DEC1/SHARP2/STRA13 in prostate cancer  
   Sophie Kiss, Paramita M. Ghosh

4. TMPRSS-ERG fusion in men with prostate cancer (PCa) and non-prostate malignancies: defining a role for comprehensive genomic profiling (CGP) to guide clinical care  
   Primo N Lara, Jr., Andreas Heilman, Julia A. Elvin, Ralph de Vere White, Regina Gandour-Edwards, Christopher P. Evans, Chong-Xian Pan, Jeffrey S. Ross, Philip J. Stephens, Vincent A. Miller, and Siraj M. Ali

5. Breast cancer margin delineation with fluorescence lifetime imaging  
   Jennifer E. Phipps, Morgan Darrow, Jakob Unger, Leta Faller, Richard J. Bold, Laura Marcu

6. Increased phosphorylation of eIF4E induces resistance to treatment with mTOR inhibitors alone or together with AR antagonists in advanced prostate cancer  
   LS D’Abronzo, M. Crapuchettes, RE Beggs, S. Siddiqui, Y. Wang, B. Durbin-Johnson, CX Pan, PM Ghosh

7. Overcoming ERK-Mediated Resistance to Enzalutamide in Castration Resistant Prostate Cancer  
   Thomas Steele, Maitreyee K. Jathal, Salma Siddiqui, Paramita M. Ghosh

8. HIC (MDFIC) is a protein that interacts and co-localizes with the RELT family of TNFRs  
   Pachai Moua, George Talbott, Cara Sumida, Mathew Checketts, John Cusick

9. IL-10 is overexpressed in advanced human cutaneous T cell lymphoma (CTCL) and is required for maximal tumor growth in a mouse model  
   Xuesong Wu, Daniel K. Hsu, Kang-Hsin Wang, Youwen Zhou, and Sam T. Hwang

10. Single-Mouse Approach to Evaluate the Pharmacokinetics of a Five-Substrate Cytochrome P450 Probe Cocktail  
    Joseph L. Jilek, Ye Tian, and Ai-Ming Yu

11. Stretch-dependent Akt activation and nuclear localization in epithelial cells  
    Makena Ewald, Derrick Renner, Soichiro Yamada

12. Targeting androgen receptor variants by niclosamide overcoming resistance to abiraterone and enzalutamide  
    Chengfei Liu, Wei Lou, Chong-Xian Pan, Christopher P. Evans, Allen C. Gao

13. FHL2 Expression Promotes Drug Resistance in Prostate Cancer  
    Cameron M. Armstrong, Chengfei Liu, Wei Lou, Yuanyuan Cui and Allen C. Gao

14. Cyclin G2 promotes cell cycle arrest in breast cancer cells responding to fulvestrant and metformin and correlates with patient survival  
    Maike Zimmermann, Aruni P.S. Arachchige-Don, Michaela S. Donaldson, Tommaso Patriarchi, and Mary C. Horne
15. Investigating the Association of Cyclin G2 with β-catenin Complexes in differentiating Cerebellar Granule Cell and Hippocampal Neurons  
A. Hergarden, A. Arachchige Don, K. Kim, M. Le Marois, A. De Crescenzo, T. Patriarchi, J.W. Hell, M.C. Horne

16. Radiation induced co-expression of CD47 and HER2 confers immune privilege and radioresistance in breast cancer cells  
Demet Candas, Cheikh Menaa, Ming Fan, Lin Liu, Soheila Azghadi, Weibing Zhou, Colleen Sweeney, Rulong Shen, Tzu-yin Lin, Chong-xian Pan, Andrew T. Vaughan, Ji Ming Wang, Hong-Wu Chen, Kit Lam, Arta M. Monjazeb, William J. Murphy, Jian Jian Li

17. ZIC2 is degraded by KSHV K-Rta through the ubiquitin-proteasome pathway and is required for the maintenance of KSHV latency  
Yuanzhi Lyu, Kazushi Nakano, Mel Campbell, Ryan Davis, Clifford G. Tepper, and Yoshihiro Izumiya

18. CD22 in non-hematologic malignancies  
Kathleen Lundeberg, Luis Moraes, Ranjit Sidhu, Mastewal Abuhay, Daniel Levis, Gustavo Barisone, Robert O’Donnell, James Fadel and Joseph Tuscano

19. Protein sub-fraction of fermented wheat germ for the treatment of lymphoma  
Daniel Levis, Mastewal Abuhay, Sonia Gowda, Kathleen Lundeberg, Cheng-Yi Xiong, Yunpeng Ma, Robert O’Donnell, Gustavo Barisone and Joseph Tuscano

20. A Novel Targeted Antisense Approach To Double-Hit Lymphomas  
Gustavo Barisone, Ranjit Sidhu, Mastewal Abuhay, Robert O’Donnell, and Joseph Tuscano

21. Validation of the Poisson Nature of PET Simulations Performed Using GATE  
Edwin K. Leung, Jinyi Qi, and Ramsey D. Badawi

22. The Role of Cellular Metabolism and pH in Ductal Carcinoma In Situ (DCIS) Progression  
Zsófia Pénzváltó, Rebecca C. Lobo, Neil E. Hubbard, Patrizia Damonte, Hidetoshi Mori, Cindy Pham, Amanda L. Koehne, Aiza C. Go, Steve E. Anderson, Peter M. Cala and Alexander D. Borowsky

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Ed Hubbard, Herlina Sugandha, Judy Walls, Jane Chen, Hidetoshi Mori, Robert Cardiff, Sandy Borowsky

24. ErbB3-mediated resistance to androgen deprivation therapy in castration-resistant prostate cancer  
Maitreyee K. Jathal, Paramita M. Ghosh