American Association for Cancer Research (AACR)
Annual Meeting
April 16-20, 2016

(Case CCC Members in BOLD)

LECTURES/PRESENTATIONS

Neal J. Meropol
Speaker, Barriers to clinical trial enrollment and how to overcome them
Clinical Trials Design Methods Workshop, Part 1: New Frontiers for the Design and Conduct of Efficient Cancer Clinical Trials
Saturday, Apr 16, 2016, 9:30 AM - 9:50 AM

Mikkael Sekeres
Invited speaker, A Conversation with FDA Oncologic Drugs Advisory Committee (ODAC) Chairs
Regulatory Science and Policy Session
Monday, Apr 18, 2016, 10:30 AM -12:30 PM

MINISYMPOSIUMS

865: Isolation of WDR77-mediated interaction between androgen receptor and p53 uncovers novel treatment strategy for prostate cancer
Minisymposium: Molecular Pharmacology of Hormone-dependent Malignancies
Sunday, April 17, 2016, 4:15 pm - 6:15 pm
Sangeeta Kumari¹, Simon Schlanger², Dan Wang², Song Liu², Hannelore Heemers¹.
¹Cleveland Clinic, Cleveland, OH; ²Roswell Park Cancer Institute, Buffalo, NY
2667: Platelet microparticles infiltrating solid tumors transfer miRNAs and modulate tumor angiogenesis and growth
Minisymposium: LncRNAs, MicroRNAs, and Non-coding RNAs in Cancer
Monday, Apr 18, 2016, 4:20 PM - 4:35 PM
1Temple University School of Medicine, Philadelphia, PA; 2University of Chile, Santiago, Chile; 3Case Western Reserve University, Cleveland, OH; 4University of Utah, Salt Lake City, UT

4370: Genome-wide CRISPR-Cas9 screens reveal loss of redundancy between PKMYT1 and WEE1 in patient-derived glioblastoma stem-like cells
Minisymposium: Genomic Alterations and Their Functional Consequences
Tuesday, Apr 19, 2016, 4:05 PM - 4:20 PM
Chad Toledo, Ding Yu, Pia Hoellerbauer, Ryan Davis, Ryan Basom, Emily Girard, Philip Corin, Hamid Bolouri, Jeny Davison, Qing Zhang, Do-Hyun Nam, Jeongwu Lee, Steven Pollard, Jeffery Delrow, Bruce Cluman, James Olson, Patrick Paddison.
1Fred Hutchinson Cancer Research Center, Seattle, WA; 2Institute for Refractory Cancer Research, Samsung Medical Center, Seoul, Korea, Republic of; 3Lerner Research Institute, Cleveland Clinic, Cleveland, OH; 4Edinburgh CRUK Cancer Research Centre and MRC Centre for Regenerative Medicine, The University of Edinburgh, Edinburgh, United Kingdom

POSTER SESSIONS

41: DCA bind to EGFR/EGFRvIII/PDK1 and affect the proliferation and growth in TMZ resistant glioblastoma model
Poster Session: Altered Glucose Metabolism in Cancer
Sunday, Apr 17, 2016, 1:00 PM - 5:00 PM
Kiran Kumar Velpula, Kamlesh Sahu, Jack Tuszynski, Maheedhara R. Guda, Swapna Asuthkar, Sarah E. Martin, Justin D. Lathia, Andrew J. Tsung.
1University of Illinois College of Med. at Peoria, Peoria, IL; 2University of Alberta, Edmonton, AB, Canada; 3Cleveland Clinic, Cleveland, OH

129: Integrated genomic analysis of survival outliers in glioblastoma
Poster Session: Genomic Profiling of Cancers
Sunday, Apr 17, 2016, 1:00 PM - 5:00 PM
Sen Peng, Harshil Dhurv, Brock Armstrong, Jeffrey Kiefer, Bodour Salhia, Juliana Ross, Christophe Legendre, Selene Virk, Andrew E. Sloan, Quinn T. Ostrom, Jill Bamholtz-Sloan, Nhan L. Tran, Michael E. Berens.
1Cancer and Cell Biology Division, The Translational Genomics Research Institute (TGen), Phoenix, AZ; 2Integrated Cancer Genomics Division, The Translational Genomics Research Institute (TGen), Phoenix, AZ; 3Case Western University, Cleveland, OH
**169: Drug resistance gene expression pathways in primary refractory breast cancer**

Poster Session: Intratumor Heterogeneity and Resistance

Sunday, April 17, 2016, 1:00 pm - 5:00 pm

Charlene Kan, Shikha Parsai, Stefanie Avril, Janice Lyons, Hannah Gilmore, Junran Zhang, Lyndsay Harris.

University Hospitals Seidman Cancer Center, Cleveland, OH

**304: HER2 basal tumors have frequent mutation of HER3 and are more resistant to HER2-targeted therapy**

Poster Session: Mechanisms of Drug Resistance 1

Sunday, April 17, 2016, 1:00 pm - 5:00 pm

Vinay Varadan¹, Salendra Singh¹, Hannah Gilmore¹, Shikha Parsai¹, George Somlo², Mayya Abu-Khala², William Sikov⁴, Lyndsay N. Harris¹.

¹Case Western Reserve University, Cleveland, OH; ²City of Hope, Duarte, CA; ³Yale University, New Haven, CT; ⁴Brown University, Providence, RI

**780: Multi-omic profiling of gliomas reveals distinct DNA methylation changes at tumor recurrence**

Poster Session: Systems Biology

Sunday, April 17, 2016, 1:00 pm - 5:00 pm

Lindsay C. Stetson¹, Camila Ferreira de Souza², Tathiane Maistro Malta², Thais Sarraf Sabedot³, Quinn Ostrom¹, Peter Liao¹, Daniela Pretti da Cunha Tirapelli², Luciano Neder², Carlos Gilberto Carlotti, Jr.², Rehan Akbani³, Sofie Salama⁴, Laila Poisson⁵, Daniel Brat⁶, The Cancer Genome Atlas Network, Houtan Noushmehr², Jill Barnholtz-Sloan¹.

¹Case Western Reserve University School of Medicine, Cleveland, OH; ²Ribeirão Preto Medical School, University of Sao Paulo, Brazil; ³University of Texas, MD Anderson Cancer Center, TX; ⁴University of California, Santa Cruz, CA; ⁵Henry Ford Hospital, MI; ⁶Winship Cancer Institute of Emory University, GA

**1053: Redirecting abiraterone metabolism to biochemically fine tune prostate cancer therapy**

Poster Session: Metabolic Reprogramming in Cancer

Monday, April 18, 2016, 8:00 am - 12:00 noon

Zhenfei Li, Mohammad Alyamani, Nima Sharifi.

Cleveland Clinic Lerner Research Institute, Cleveland, OH
1119: Tumor suppressing dual-action miRNA: Targeting Warburg effect and androgen receptor function in CRPC
Poster Session: MicroRNAs as Oncogenes and Tumor Suppressors
Monday, Apr 18, 2016, 8:00 AM -12:00 PM
Jey Sabith Ebron¹, Jagjit Singh¹, Kavleen Sikand¹, Eswar Shankar², Sanjay Gupta², Girish C. Shukla¹.
¹Cleveland State University, Cleveland, OH; ²Case Western University, Cleveland, OH

1154: Elevated nuclear GSK3β promotes more aggressive disease in AML
Poster Session: Oncogenes and Tumor Suppressor Genes and Pathways
Monday, April 18, 2016, 8:00 am - 12:00 noon
James J. Ignatz-Hoover, Nathan Mackowski, David N. Wald.
Case Western Reserve University, Cleveland, OH

1294: Sensitization of malignant melanomas to TRAIL-induced apoptosis by quercetin
Poster Session: Regulation of Anticancer Drug Effects
Monday, Apr 18, 2016, 8:00 AM -12:00 PM
Katherine Turner¹, Daniel Lindner², Michael Kalafatis¹.
¹Cleveland State University, Cleveland, OH; ²Taussig Cancer Institute, Cleveland, OH

1295: Evaluation of the efficacy of TRAIL plus quercetin as a potential breast carcinoma therapeutic
Poster Session: Regulation of Anticancer Drug Effects
Monday, Apr 18, 2016, 8:00 AM -12:00 PM
Jasmine M. Manouchehri¹, Michael Kalafatis¹, Daniel Lindner².
¹Cleveland State University, Cleveland, OH; ²The Cleveland Clinic, Cleveland, OH

1502: Three intrinsic subtypes of prostate cancer with distinct pathway activation profiles differ in prognosis and treatment response
Poster Session: Applications of Bioinformatic Tools to Analyze Cancer Data
Monday, Apr 18, 2016, 8:00 AM -12:00 PM
Sungyong You¹, Beatrice Knudsen¹, Nicholas Erho², Mohammed Alshalalfa², Mandeep Takha², Hussam Al-deen Ashab², Elai Davicioni², Robert Jeffrey Kames³, Eric A. Klein⁴, Robert B. Den⁵, Ashley E. Ross⁶, Edward M. Schaeffer⁶, Isla P. Garraway⁷, Jayoung Kim¹, Michael R. Freeman¹.
¹Cedars-Sinai Medical Center, Los Angeles, CA; ²GenomeDx Biosciences Inc., Vancouver, BC, Canada; ³Mayo Clinic, Rochester, MN; ⁴Cleveland Clinic, Cleveland, OH; ⁵Thomas Jefferson University, Philadelphia, PA; ⁶Johns Hopkins Hospital, Baltimore, MD; ⁷UCLA, Los Angeles, CA
1626: Krüppel-like factor 8 activates the transcription of C-X-C cytokine receptor type 4 to promote breast cancer cell invasion, transendothelial migration and metastasis
Poster Session: Metastasis-Promoting and -Suppressing Genes
Monday, Apr 18, 2016, 8:00 AM -12:00 PM
Debarati Mukherjee1, Heng Lu1, Lin Yu1, Satadru K. Lahiri1, Tianshu Li2, Jihe Zhao1.
1University of Central Florida, Orlando, FL; 2Cleveland Clinic, Cleveland, OH

1659: Radioprotection of IDH1-mutated solid tumor, but not leukemia cells by the IDH1-mutant inhibitor AGI5198
Poster Session: Radiation Science
Monday, Apr 18, 2016, 8:00 AM -12:00 PM
Remco J. Molenaar1, Johanna W. Wilmink1, Jaroslaw P. Maciejewski2, William P. Leenders3, Fonnet E. Bleeker1, Cornelis J. Van Noorden1.
1Academic Medical Center, Amsterdam, Netherlands; 2Cleveland Clinic, Cleveland, OH; 3Radboud UMC, Nijmegen, Netherlands

1754: Body powder use and ovarian cancer: the African American Cancer Epidemiology Study
Poster Session: Diet, Tobacco, Smoking, and Other Lifestyle Factors in Cancer Epidemiology
Monday, Apr 18, 2016, 8:00 AM -12:00 PM
Lauren C. Peres1, Sarah E. Abbott1, Anthony J. Alberg2, Elisa V. Bandera3, Jill Bamholtz-Sloan4, Melissa Bondy5, Michele L. Cote6, Ellen Funkhouser7, Edward S. Peters8, Ann G. Schwartz6, Paul D. Terry9, Sydnee Crankshaw10, Fabian Camacho1, Frances Wang10, Patricia G. Mooman10, Joellen M. Schildkraut1.
1University of Virginia, Charlottesville, VA; 2Medical University of South Carolina, Charleston, SC; 3Rutgers Cancer Institute of New Jersey, New Brunswick, NJ; 4Case Western Reserve University School of Medicine, Cleveland, OH; 5Baylor College of Medicine, Houston, TX; 6Wayne State University School of Medicine, Detroit, MI; 7University of Alabama at Birmingham, Birmingham, AL; 8Louisiana State University Health Sciences Center School of Public Health, New Orleans, LA; 9University of Tennessee Medical Center - Knoxville, Knoxville, TN; 10Duke University Medical Center, Durham, NC

LB-151: Positively selected enhancer elements endow tumor cells with metastatic competence
Late Breaking Poster Session: Late-Breaking Research: Molecular and Cellular Biology 2
Monday, Apr 18, 2016, 1:00 PM - 5:00 PM
James J. Morrow1, Tyler E. Miller3, Alina Saikakhova1, Michael M. Lizardo2, Cynthia F. Bartels1, Ian Bayles1, Stevephren Hung1, Amulfo Mendoza3, Jay T. Myers1, Frederick Allen1, Analisa DiFeo1, Brian P. Rubin3, Alex Y. Huang1, Paul S. Meltzer2, Lee J. Helman2, Chand Khanna2, Peter C. Scacheri1.
1894: Understanding the role of microRNA-206 in breast cancer
Poster Session: MicroRNAs in Metastasis and Cancer
Monday, April 18, 2016, 1:00 pm - 5:00 pm
Valery Adorno-Cruz1, Huiping Liu2.
1Case Western Reserve University, Cleveland Heights, OH; 2Case Western Reserve University, Cleveland, OH

1909: miR-30c blocks tumor cell homotypic aggregation and promotes anoikis to prevent breast cancer metastasis
Poster Session: MicroRNAs in Metastasis and Cancer
Monday, April 18, 2016, 1:00 pm - 5:00 pm
Xia Liu, Beijie Yu, Wenjing Chen, Huiping Liu.
Case Western Reserve Univ., Cleveland, OH

1937: Dysregulation of lincRNAs is a major driver of aberrant epigenomes during tumorigenesis
Poster Session: Non-coding RNAs and Mechanisms in Cancer
Monday, April 18, 2016, 1:00 pm - 5:00 pm
Callie R. Merry, Megan E. Forrest, Sanford Markowitz, Ahmad M. Khalil.
Case Western Reserve University, Cleveland, OH
2023: SOX4 is essential for PTEN-mediated prostate tumorigenesis in vivo
Poster Session: Transcriptional Regulation and Gene Expression
Monday, Apr 18, 2016, 1:00 PM - 5:00 PM
Birdal Bilir1, Adeboye O. Osunkoya1, W. Guy Wiles, IV1, Soma Sannigrahi2, Veronique Lefebvre3, Daniel Metzger3, Demetri D. Spyropoulos4, W. David Martin1, Carlos S. Moreno1.
1Emory University, Atlanta, GA; 2Cleveland Clinic, Cleveland, OH; 3Université de Strasbourg, Illkirch, France; 4Medical University of South Carolina, Charleston, SC

2372: The genetic evolution of melanoma
Poster Session: Clonal Heterogeneity and Evolution
Monday, Apr 18, 2016, 1:00 PM - 5:00 PM
Alan H. Shain1, Richard Yu1, Iwei Yeh1, Jamal Benhamida1, Ivanka Kovalyshyn2, Aravindhan Srinathan3, Eric Talevich3, Reinhard Dummer4, Jeffrey North1, Laura Pincus1, Beth Ruben1, William Rickaby5, Corrado D’Arrigo5, Alistair Robson5, Robert Judson1, Nancy Joseph1, Boris Bastian1.
1UCSF, San Francisco, CA; 2Cleveland Clinic, Cleveland, OH; 3Orlando Health, Orlando, FL; 4University Hospital of Zurich, Zurich, Switzerland; 5St. John’s Institute of Dermatology, London, United Kingdom; 6Dorset County Hospital, Dorchester, United Kingdom

2525: Sema3C promotes glioma stem cell survival and radioresistance
Poster Session: Stemness Properties of Neuronal and Pediatric Tumors and New Approaches
Monday, April 18, 2016, 1:00 pm - 5:00 pm
Jianghong Man, Jocelyn Shoemake, Qiulian Wu, Jennifer Yu.
Cleveland Clinic, Cleveland, OH

2570: Identification of genetic polymorphisms associated with myelodysplastic syndromes by genome-wide association study
Poster Session: Genetic Contributions to Cancer Epidemiology: Familial Cancers and GWAS
Monday, Apr 18, 2016, 1:00 PM - 5:00 PM
Kathy McGraw1, Chia-Ho Cheng1, Ann Chen1, Giulio Genovese2, Thomas Cluzeau3, Hui-Yi Lin4, Bartlomiej Przychodzen5, Mar Mallo6, Leonor Arenillas7, Azim Mohamedali8, Lionel Ades9, Ashley Basirka10, Brittany Irvine1, David Sallman1, Eric Padron1, Lubomir Sokol1, Andrea Pellagatti11, Chimene Brest12, Sophie Raynaud13, Bjorn Nilsson13, Jacqueline Boulwood11, Benjamin Ebert14, Francesc Sole6, Pierre Fenaux9, Ghulam Mufti8, Jaroslaw Maciejewski15, Peter Kanetsky1, Alan List1.
1H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL; 2Broad Institute of the Massachusetts Institute of Technology and Harvard Medical School, Boston, MA; 3French Group of Myelodysplasia and CHU of Nice, Nice, France; 4Louisiana State University, Baton Rouge, LA; 5Cleveland Clinic, Taussig Cancer Institute, Cleveland, OH; 6Institut de Recerca Contra la Leucemia Josep Carreras, Barcelona, Spain; 7Laboratori de Citologia Hematologica, Hospital del Mar, Barcelona, Spain; 8Kings College London, London, United Kingdom; 9French Group of
2587: Comprehensive colorectal cancer risk prediction to inform personalized screening and intervention
Poster Session: Risk Prediction, Screening, and Comparative Effectiveness Research
Monday, Apr 18, 2016, 1:00 PM - 5:00 PM
1University of Michigan, Ann Arbor, MI; 2National Cancer Institute, National Institutes of Health, Bethesda, MD; 3German Cancer Research Center (DKFZ), Germany; 4American Cancer Society, Atlanta, GA; 5Massachusetts General Hospital and Harvard Medical School, Boston, MA; 6Memorial Sloan Kettering, New York, NY; 7Cancer Council Victoria, Australia; 8Fred Hutchinson Cancer Research Center, Seattle, WA; 9Keck School of Medicine, University of Southern California, Los Angeles, CA; 10University of Hawaii Cancer Center, Honolulu, HI; 11Case Western Reserve University, Cleveland, OH; 12Camel Medical Center, Israel; 13University of Pittsburgh Medical Center, Pittsburgh, PA; 14University of Utah Health Sciences Center, Salt Lake City, UT; 15Memorial University of Newfoundland, NL, Canada

2609: Epigenetic reactivation of TIMP-3 in human prostate cancer cells by green tea polyphenols
Poster Session: Targets, Markers, and Agents in Cancer Prevention
Monday, April 18, 2016, 1:00 pm - 5:00 pm
Case Western Reserve University, Cleveland, OH

2707: Quantitative analysis of the role of androgen receptor in radiation treatment for prostate cancer
Poster Session: Bioinformatic Tools for Analysis and Mathematical Modeling of Clinical Samples
Tuesday, April 19, 2016, 8:00 am - 12:00 noon
Mengdi Qian1, Alexandru Almasan2, Evren Gurkan-Cavusoglu1.
1Case Western Reserve University, Cleveland, OH; 2Cleveland Clinic, Cleveland, OH

2714: Inhibition of human telomerase by new purine analogs
Poster Session: Cell Cycle Control and Checkpoints
Tuesday, April 19, 2016, 8:00 am - 12:00 noon
Wilnelly M. Hernandez-Sanchez1, Diane Baus1, Anthony J. Berdis2, Derek J. Taylor1.
1Case Western Reserve University, Cleveland, OH; 2Cleveland State University, Cleveland, OH
2780: Genome-wide methylation analysis reveals methylator subtypes of Barrett’s esophagus and esophageal adenocarcinoma

Ming Yu1, Sean Maden1, Andrew Kaz2, Tai Heinzerling1, Rachele O’Leany1, Matthew Stachler3, Adam Bass4, Amitabh Chak5, Joseph Willis6, Sanford Markowitz7, William Grady8.
1Clinical Research Division, Fred Hutchinson Cancer Research Center, Seattle, WA; 2Clinical Research Division, Fred Hutchinson Cancer Research Center; Department of Medicine, University of Washington School of Medicine; Gastroenterology Service, VA Puget Sound Health Care System, Seattle, WA; 3Department of Pathology, Brigham and Women’s Hospital and Harvard Medical School; Department of Medical Oncology, Dana-Farber Cancer Institute, Boston, MA; 4Department of Medical Oncology, Dana-Farber Cancer Institute, Boston, MA; 5Division of Gastroenterology, Division of Oncology, University Hospitals Case Medical Center, Cleveland, OH; 6Department of Pathology, University Hospitals Case Medical Center, Cleveland, OH; 7Department of Medicine, University Hospitals Case Medical Center; Case Comprehensive Cancer Center, Case Western Reserve University and Case Medical Center, Cleveland, OH; 8Clinical Research Division, Fred Hutchinson Cancer Research Center; Department of Medicine, University of Washington School of Medicine, Seattle, WA

2872: Cytoplasmic localization of PU.1 with mutated NPM1 causes myeloid differentiation arrest

Poster Session: Transcriptional Regulation and Gene Expression in Human Malignancies
Tuesday, April 19, 2016, 8:00 am - 12:00 noon
Xiaorong Gu1, Reda Mahfouz1, Ji Zhang2, Francis Enane1, Zhenbo Hu3, Tomas Radivoyevitch1, David Wald4, Maria Paola Martelli5, Brunangelo Falini6, Yosef Landesman6, Jaroslaw Maciejewski1, Yogen Saunthararajah1.
1Cleveland Clinic, Cleveland, OH; 2Department of Ophthalmology, The Second Affiliated Hospital of Soochow University, Suzhou, JiangSu, China; 3Affiliated Hospital of Weifang Medical University, Weifang, China; 4Case Western Reserve University, Cleveland, OH; 5Institute of Hematology, University of Perugia, Perugia, Italy; 6Karyopham Therapeutics, Newton, MA

2938: Role of CD73 in promoting metastasis and resistance to 5-fluorouracil of colorectal cancer

Poster Session: Mechanisms of Drug Resistance 3
Tuesday, Apr 19, 2016, 8:00 AM -12:00 PM
Xuan-hui Liu1, Xian-rui Wu1, Yu-feng Chen1, Feng-wei Wang2, Xiao-bin Zheng1, Dan Xie2, Bo Shen3, Jian-ping Wang1, Xiao-jian Wu1, Ping Lan1.
1The Sixth Affiliated Hospital, Sun Yat-sen University, Guangzhou, China; 2Sun Yat-sen University Cancer Center, Guangzhou, China; 3Cleveland Clinic, Cleveland, OH
3036: Targeting FACT complex with CBL0137 to overcome acquired resistance to EGFR-TKI in lung adenocarcinoma
Poster Session: Novel Targets and Pathways
Tuesday, April 19, 2016, 8:00 am - 12:00 noon
1University Hospitals, Case Western Reserve University, Case Comprehensive Cancer Center, Cleveland, OH; 2Lerner Research Institute, Cleveland Clinic, OH; 3Cleveland Biolabs, Buffalo, NY; 4Cleveland Clinic, Cleveland, OH; 5Roswell Park Cancer Institute, Buffalo, NY

3126: CEMIP, a secreted protein highly induced in colon cancer and associated with poor patient survival
Poster Session: Biomarkers for Gastrointestinal, Hematologic, and Uncommon Cancers
Tuesday, April 19, 2016, 8:00 am - 12:00 noon
Stephen P. Fink1, Lois Myeroff1, Revital Kariv1, Petra Platzer1, Baozhong Xin1, Debra Mikkola1, Earl Lawrence1, Nathan Morris1, Aman Nosrati1, James Wilson2, Joseph Willis1, Martina Veigl1, Jill Bamholtz-Sloan1, Zhenghe Wang1, Sanford Markowitz1.
1Case Western Reserve Univ., Cleveland, OH; 2University of Texas Southwestern Medical Center, Dallas, TX

3276: The tissue and cellular destination of therapeutic IgGs in glioblastoma
Poster Session: Antiangiogenic Therapy: Inhibitors and Resistance
Tuesday, April 19, 2016, 8:00 am - 12:00 noon
Gaelle Muller-Greven1, Cathleen Carlin2, Steven Toms3, Manmeet Ahluwalia1, Markus Brede1, Justin Lathia1, Jeremy Rich1, Petra Hamerlik2, Candece L Gladson1.
1Cleveland Clinic, Cleveland, OH; 2Case Western Reserve University, Cleveland, OH; 3Geisinger Medical Center, Danville, PA; 4University of Alabama, Birmingham, AL; 5Danish Cancer Society Research Center, Copenhagen, Denmark

3337: Targeting acute myeloid leukemia via anti-IL1RAP antibodies
Poster Session: Stemness Properties of Leukemias and Carcinomas
Tuesday, Apr 19, 2016, 8:00 AM -12:00 PM
Ping Jiang1, Bob Y. Liu1, Jen Huang1, Jennifer Lu1, Shamili Roy1, Madhavi Mishra1, Xiaoxian Zhao2, Jeffrey Lin2, Eric D. Hsi2, Jagath R. Junutula1.
1Cellerant Therapeutics, San Carlos, CA; 2Robert J. Tomsich Pathology & Laboratory Medicine Institute, Cleveland Clinic, Cleveland, OH
3380: Direct contact with perivascular tumor cells enhances integrin αvβ3 signaling and migration of endothelial cells
Poster Session: Tumor Angiogenesis: Host Interactions and the Tumor Microenvironment
Tuesday, April 19, 2016, 8:00 am - 12:00 noon
Monica Burgett1, Justin Lathia1, Patrick Roth2, Amy Nowacki3, Elena Pugacheva3, Ping Huang1, Amit Vasanji4, Li Meizhang1, Tatiana Byzova1, Tom Mikkelsen5, Shideng Bao1, Jeremy Rich1, Michael Weller2, Candece Gladson1.
1The Cleveland Clinic Lerner Research Institute, Cleveland, OH; 2University Hospital, Zurich, Switzerland; 3West Virginia University, Morgantown, WV; 4Image IQ, Inc., Cleveland, OH; 5Henry Ford Hospital, Detroit, MI

CT110: Phase II multicenter study of gene-mediated cytotoxic immunotherapy as an adjuvant to surgical resection for newly diagnosed malignant glioma: lessons learned from pseudo-progression and a nine-year survivor
Poster Session: Phase II, III, and Special Population Clinical Trials
Tuesday, Apr 19, 2016, 1:00 PM - 5:00 PM
1Houston Methodist Hospital, Houston, TX; 2Advantagene, Inc., Auburndale, MA; 3Brigham and Women’s Hospital/Harvard Medical School, Boston, MA; 4Ohio State University, Columbus, OH; 5University Hospitals Seidman Cancer Center/ Case Western Reserve University, Cleveland, OH; 6City of Hope, Duarte, CA

CT111: Ablation techniques adapted for low- and middle-income countries
Poster Session: Phase II, III, and Special Population Clinical Trials
Tuesday, April 19, 2016, 1:00 pm - 5:00 pm
Miriam Cremer1, Juan Felix2, Luis Taxa3, Mauricio Maza4, Philip E. Castle5, Manuel Alvarez2, Jose Jeronimo6, Julia Gage7.
1Cleveland Clinic Lerner School of Medicine, Cleveland, OH; 2University of Southern California, Los Angeles, CA; 3Instituto Nacional de Enfermedades Neoplásicas, Lima, Peru; 4Basic Health International, San Salvador, El Salvador; 5Albert Einstein College of Medicine, Bronx, NY; 6PATH, Seattle, WA; 7National Cancer Institute Division of Cancer Epidemiology & Genetic, Bethesda, MD
3407: Gene expression subtypes of high grade serous ovarian cancer in African American women
Poster Session: Epidemiology of Cancer Prognosis and Survival
Tuesday, Apr 19, 2016, 8:00 AM -12:00 PM
1Department of Epidemiology, The Geisel School of Medicine at Dartmouth, Lebanon, NH; 2Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA; 3The Geisel School of Medicine at Dartmouth, Lebanon, NH; 4Hollings Cancer Center and Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC; 5Department of Population Science, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ; 6Case Comprehensive Cancer Center, Case Western Reserve University School of Medicine, Cleveland, OH; 7Cancer Prevention and Population Sciences Program, Baylor College of Medicine, Houston, TX; 8Department of Oncology and the Karmanos Cancer Institute Population Studies and Disparities Research Program, Detroit, MI; 9Division of Preventive Medicine, University of Alabama at Birmingham, Birmingham, AL; 10Duke Cancer Institute, Duke University Medical Center, Durham, NC; 11Epidemiology Program, Louisiana State University Health Sciences Center School of Public Health, New Orleans, LA; 12Department of Medicine, University of Tennessee Medical Center-Knoxville, Knoxville, TN; 13Department of Pathology, Duke University, Durham, NC; 14Department of Obstetrics and Gynecology, Duke University, Durham, NC; 15Department of Surgery, Duke University, Durham, NC; 16Department of Public Health Sciences, University of Virginia, Charlottesville, VA

3413: Supplement use and chemotherapy-induced peripheral neuropathy in breast cancer patients treated on SWOG study S0221
Poster Session: Epidemiology of Cancer Prognosis and Survival
Tuesday, Apr 19, 2016, 8:00 AM -12:00 PM
Gary R. Zirpoli1, Susan E. McCann1, Lara E. Sucheston-Campbell1, Dawn L. Hershman2, Gregory Ciupak1, Warren Davis1, Joseph M. Unger3, Halle C.F. Moore4, James A. Stewart5, Claudine Isaacs6, Timothy J. Hobday7, Muhammad Salim8, Robert B. Livingston9, Gabriel N. Hortobagyi10, Julie R. Gralow11, Daniel F. Hayes12, G. Thomas Budd14, Kathy S. Albain13, Christine B. Ambrosone1.
1Roswell Park Cancer Institute, Buffalo, NY; 2Columbia University, New York, NY; 3SWOG Statistical Center, Seattle, WA; 4Cleveland Clinic, Cleveland, OH; 5Baystate Medical Center, Springfield, MA; 6Lombardi Comprehensive Cancer Center, Washington, DC; 7Mayo Clinic, Rochester, MN; 8Allan Blair Cancer Centre, Regina, SK, Canada; 9Arizona Cancer Center, Tucson, AZ; 10MD Anderson Cancer Center, Houston, TX; 11Seattle Cancer Care Alliance, Seattle, WA; 12University of Michigan, Ann Arbor, MI; 13Loyola University Chicago Cardinal Bernardin Cancer Center, Maywood, IL
3446: Aspirin, non-steroidal anti-inflammatory drugs (NSAIDs) and the risk of glioma: Results from the Glioma International Case Control Study
Poster Session: Exogenous Exposures and Cancer Risk
Tuesday, Apr 19, 2016, 8:00 AM -12:00 PM
1USC, CA; 2Baylor College of Medicine, Houston, TX; 3University of Copenhagen, Denmark; 4Yale University School of Medicine, CT; 5Case Western Reserve University, OH; 6Georgia State University, GA; 7Duke University, NC; 8Tel-Aviv University, Israel; 9Institute of Cancer Research, United Kingdom; 10Mayo Clinic, MN; 11Memorial Sloan Kettering, NY; 12Northshore University Health System, IL; 13UCSF, CA; 14University of Alberta, AB, Canada; 15MD Anderson Cancer Center, Houston, TX; 16Dartmouth University, Houston, TX; 17Umea University, Sweden

3480: Germline PARP4 mutations in patients with primary thyroid and breast cancers
Poster Session: Clinical Endocrinology
Tuesday, Apr 19, 2016, 1:00 PM - 5:00 PM
Yuji Ikeda1, Kazuma Kiyotani1, Poh Yin Yew1, Taigo Kato1, Kenji Tamura1, Kai Lee Yap1, Jessica L. Mester2, Sarah H. Nielsen1, Grogan H. Raymon1, Charis Eng3, Yusuke Nakamura1.
1University of Chicago, Chicago, IL; 2Cleveland Clinic, Chicago, OH; 3Cleveland Clinic, OH

3507: Rhamnetin enhances anti-proliferative and apoptotic effects on prostate cancer cells
Poster Session: Cell Death 1
Tuesday, Apr 19, 2016, 1:00 pm - 5:00 pm
Riddhi Patel, Rebecca Pakradooni, Christine Oak, Natarajan Bhaskaran, Sanjeev Shukla. Case Western Reserve University, Cleveland, OH

3589: Nucleotide excision repair is elevated in stage IV commonly used breast cancer cell lines as compared to stage I breast tumor explants
Poster Session: Genetic Instability in Cancer: Molecular Basis and Tools
Tuesday, Apr 19, 2016, 1:00 PM - 5:00 PM
Homood As Sobeai1, Jennifer M. Johnson2, Nancy Lalanne3, Omar Ibrahim1, Stephen G. Grant1, Sharon L. Wenger1, Jean J. Latimer3.
1Nova Southeastern University College of Pharmacy, Fort Lauderdale, FL; 2Thomas Jefferson University Hospital, Philadelphia, PA; 3Case Western Reserve University, Cleveland, OH; 4West Virginia University, Morgantown, WV
3596: KLLN protects genomic stability by maintaining H3K9 trimethylation (H3K9me3) at the pericentric heterochromatin
Poster Session: Genetic Instability in Cancer: Molecular Basis and Tools
Tuesday, April 19, 2016, 1:00 pm - 5:00 pm
Madhav Sankunny¹, Emily Nizialek², Farshad Niazi¹, Charis Eng¹.
¹Cleveland Clinic Foundation, Cleveland, OH; ²Case Western Reserve University, Cleveland, OH

3857: Pharmacological reactivation of the tumor suppressor protein phosphatase 2A as a novel approach for the treatment of breast cancer
Poster Session: Targeting Protein Kinases, Death Pathways, and the Tumor Microenvironment
Tuesday, April 19, 2016, 1:00 pm - 5:00 pm
Caroline C. Farrington¹, Xiaoyan Wang², Mahnaz Janghorban², Juan Liang², Analisa Difeo¹, Rosalie Sears², Goutham Narla¹.
¹Case Western Reserve University, Cleveland, OH; ²Oregon Health and Sciences University, Portland, OR

3865: Therapeutic activation of protein phosphatase 2A for the treatment of lung cancer
Poster Session: Targeting Protein Kinases, Death Pathways, and the Tumor Microenvironment
Tuesday, Apr 19, 2016, 1:00 PM - 5:00 PM
Jaya Sangodkar¹, Rita Tohme², Janna Kiselar², Sudeh Izadmehr³, Divya Hoon¹, Sahar Mazhar³, Abbey Perl², Danica Wiredja², Daniela Schlatzer², Shen Yao¹, David Kastrinsky¹, Neelesh Sharma², David Brautigan³, Mark Chance², Alain Borczuk⁴, Michael Ohlmeyer¹, Yiannis Ioannou¹, Goutham Narla².
¹Icahn School of Medicine at Mount Sinai, New York, NY; ²Case Western Reserve University, Cleveland, OH; ³University of Virginia School of Medicine, Charlottesville, VA; ⁴Weill Cornell Medical College, New York, NY

4626: In-vitro growth inhibitory effects of diosmetin on human prostate cancer cells
Poster Session: Wnt, AKT, and Cell Survival Pathways
Wednesday, April 20, 2016, 8:00 am - 12:00 noon
Rebecca Pakradooni, Riddhi Patel, Janmejai K. Srivastava, Sanjeev Shukla.
Case Western Reserve University, Cleveland, OH
4647: BET protein inhibition blocks growth of triple-negative breast cancer by inducing mitotic and cytokinetic dysfunction
Poster Session: Cellular Responses to Anticancer Drugs
Wednesday, April 20, 2016, 8:00 am - 12:00 noon
Jennifer M. Brancato¹, Sylvia Gayle¹, Kristen Weber-Bonk¹, Matthew Summers², Gurkan Bebek¹, Ruth Keri¹.
¹Case Western Reserve University, Cleveland, OH; ²Cleveland Clinic, Cleveland, OH

4963: A distinct AMP-activated protein kinase phosphorylation site is associated with metastasis and castration-resistance in prostate cancer
Poster Session: Biomarkers for Genitourinary Cancers: Prostate
Wednesday, Apr 20, 2016, 7:30 AM -11:00 AM
Melissa A. Babcook¹, Mahmut Akgul², Seunghee Margevicius³, Gregory T. MacLennan², Pingfu Fu³, Robert Abouassaly², Sanjay Gupta³.
¹University of Toledo College of Medicine, Toledo, OH; ²University Hospitals Case Medical Center, Cleveland, OH; ³Case Western Reserve University, Cleveland, OH

Poster Session: Chemoprevention Studies
Wednesday, April 20, 2016, 8:00 am - 12:00 noon
Vijay S. Thakur, Gauri Deb, Mark W. Jackson, Sanjay Gupta.
Case Western Reserve University, Cleveland, OH

5258: Inhibition of DNA methyltransferases and histone methyltransferases by plant flavones
Poster Session: Chemoprevention Studies
Wednesday, April 20, 2016, 8:00 am - 12:00 noon
Rajnee Kanwal, Manish Datt, Sanjay Gupta.
Case Western Reserve Univ., Cleveland, OH