

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

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

James V. Michael¹, Jeremy G.T. Wurtzel¹, Guang Fen Mao¹, A. Koneti Rao¹, Nicholas E. Hoffman¹, Sudarsan Rajan¹, Muniswamy Madesh¹, Fabian Jana², Marvin Nieman³, Jesse W. Rowley⁴, Andrew S. Weyrich⁴, Lawrence E. Goldfinger¹.

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 Toledo¹, Ding Yu¹, Pia Hoellerbauer¹, Ryan Davis¹, Ryan Basom¹, Emily Girard¹, Philip Corrin¹, Hamid Bolouri¹, Jerry Davison¹, Qing Zhang¹, Do-Hyun Nam², Jeongwu Lee³, Steven Pollard⁴, Jeffery Delrow¹, Bruce Clurman¹, James Olson¹, Patrick Paddison¹.

¹Fred Hutchinson Cancer Research Center, Seattle, WA; ²Institute for Refractor6Sea-15.72s9d8 Tm (1)2bc 0 T.72 47

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, Maysa Abu -Khalaf³, William Sikov⁴, Lyndsay N. Harris¹.

¹Case Western Reserve University, Cleveland, OH; ²City of Hope, Duar(o)-26.nar()3A1(u)-2.3(a)-22.4(r)-23-3.9(p)-4()]2la

[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 Ebron ¹, Jagjit Singh ¹, Kavleen Sikand ¹, Eswar Shankar², Sanjay Gupta ², Girish C. Shukla ¹.

¹Cleveland State University, Cleveland, OH; ²Case Western University, Cleveland, OH

[\(OHYDWHG QXFOHDU *6. Å SURPRWHV PRUH DJJUHVVLYH GLV](#)

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 Turner ¹, Daniel Lindner ², Michael Kalafatis ¹.

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. Manouchehri ¹, Michael Kalafatis ¹, Daniel Lindner ².

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 You ¹, Beatrice Knudsen ¹, Nicholas Erho ², Mohammed Alshalalfa ², Mandeep Takhar², Hussam Al-deen Ashab ², Elai Davicioni ², Robert Jeffrey Karnes ³, Eric A. Klein ⁴, Robert B. Den⁵, Ashley E. Ros⁶, Edward M. Schaeffer ⁶, Isla P. Garraway ⁷, Jayoung Kim ¹, Michael R. Freeman ¹.

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;

1626: Krüppel-like factor 8 activates the transcription of CXCR4 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

¹Case Western Reserve University School of Medicine, Cleveland, OH;

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[2023: SOX4 is essential for PTENmediated 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 Sannigrahi¹, Veronique Lefebvre², 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

Myelodysplasia and Hospital Saint Louis, Paris, France; ¹⁰H. Lee Moffitt Cancer Center and Research Institute and University of South Florida, Tampa, FL; ¹¹Leukaemia & Lymphoma Research Molecular Haematology Unit, University of Oxford, Oxford, United Kingdom; ¹²CHU of Nice, Nice, France; ¹³Lund University, Lund, Sweden; ¹⁴Harvard Medical School and Brigham and Women's Hospital, Boston, MA

3380: Direct contact with perivascular tumor cells en



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

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

5257: Upregulation of glutathione S-transferase P1 by green tea polyphenols: A novel transcriptional target of p53 tumor suppressor gene

Poster Session: Chemoprevention Studies

Wednesday, April 20, 2016, 8:00 am - 12:00 noon