

Poster Session A

Sunday, October 8, 2017

1:15 p.m.–3:45 p.m.

Salons 3, 4, 5, and 6 of the Ray Dolby Ballroom

A01 Application of patient-derived models from under-studied patient populations to discover therapeutically targetable pathways in triple negative breast cancer systems. Margarite Matossian, Tulane University School of Medicine, New Orleans, LA, United States.

A02 Black race and distant recurrence after neoadjuvant compared to adjuvant systemic chemotherapy in an ethnically and racially diverse population. Maja Oktay, Montefiore Medical Center, Bronx, NY, United States.

A03 Circulating CCL2 and CXCL8 chemokine levels and receptor interactions differ in African-Americans and Caucasians with breast cancer. Brittany Jenkins, University of Georgia, Athens, GA, United States.

A04 Dasatinib shows different cytotoxicity in triple negative breast cancer cell lines. Yuya Haga, Graduate School of Pharmaceutical Sciences, Osaka University, Suita, Osaka, Japan.

A05 Deep immunofluorescence imaging of solvent-cleared mouse mammary glands. Anna Polec, Department of Cancer Genetics, Institute for Cancer Research, The Norwegian Radium Hospital, Oslo Un, Oslo, Norway.

A06 Discrepancy of pathologic complete response and outcome between breast tumor and axillary node in HER2 positive breast cancer after neoadjuvant chemotherapy. Chia-Hui Chu, Division of General Surgery, Chang Gung Memorial Hospital, Taipei, Taiwan.

A07 DNA methylation predicts response of triple-negative breast cancer to all-trans retinoic acid treatment. Krysta Coyle, Dalhousie University, Halifax, NS, Canada.

A08 Epigenetic heterogeneity in triple-negative breast cancer. Reo Maruyama, Cancer Institute, Japanese Foundation for Cancer Research, Tokyo, Japan.

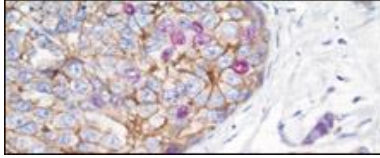
A09 Immune activation in lymph nodes in breast cancer patients. Inga Hansine Rye, Dep.Cancer Genetics, Oslo, Norway.

A10 Impact of exercise on body fat distribution in overweight and obese breast cancer survivors. Frank Sweeney, University of Southern California - Los Angeles, Los Angeles, CA, United States.

A11 Association of the main variants of the 8q24-rs13281615 and 2q35-rs13387042 with breast cancer risk in Khorasan population. Mahta Salehi, Mashhad University of Medical Sciences, Mashhad, Khorasan Razavi, Iran, Islamic Republic Of.

A12 Characterization of the mitronic tsmiR miR6855-3p as a DNA damage repair regulator in the SLUG-high metastatic breast cancer cells. Marshall Ellison, Meharry Medical College, Nashville, TN, United States.

A13 Combination benefit between PARP inhibitor niraparib and angiogenesis inhibitors in PDX models of triple negative breast cancer (TNBC). Yinghui Zhou, TESARO Inc., Waltham, MA, United States.



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A14 Comprehensive analysis of the DNA damage repair and maintenance pathways that regulate TNBC sensitivity to replication stress. Abena Redwood, The University of Texas MD Anderson Cancer Center, Houston, TX, United States.

A15 DNA damage response-targeted molecules for the breast cancer therapy. Scott Grindrod, Shuttle Pharmaceuticals, Germantown, MD, United States.

A16 Evaluation of the genotoxicity of ruthenium complex, trans-[Ru(ThySMet)(PPh₃)₂(bipy)]PF₆, by comet assay *in vitro* on breast cells and *in vivo*. Amanda Becceneri, Universidade Federal de São Carlos, São Carlos, São Paulo, Brazil.

A17 Ganoderma lucidum inhibits the DNA damage response in combination with carboplatin in breast cancer cells. Ivette Suárez-Arroyo, Universidad Central del Caribe School of Medicine, Bayamon, PR, United States.

A18 Predictive and prognostic significance of RECQ1 expression in breast cancer. Sudha Sharma, Howard University, Washington, DC, United States.

A20 Analysis of tumor infiltrating lymphocytes and expression of PD1 and PD-L1 in breast tumors prior to and after neo-adjuvant chemotherapy. Robert Wesolowski, The Ohio State University Comprehensive Cancer Center, Columbus, OH, United States.

A21 Characterization of the immune environment in the in situ to invasive breast carcinoma transition. Carlos Gil Del Alcazar, Dana-Farber Cancer Institute, Boston, MA, United States.

A22 Homologous recombination deficiency negatively predicts for immune infiltration and anti-tumor immune activity in breast tumors with BRCA1/2 alterations. Adam Kraya, University of Pennsylvania, Philadelphia, PA, United States.

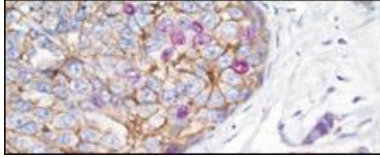
A25 TEM8 specific CAR T cells induce regression of patient-derived xenograft and metastatic models of triple-negative breast cancer. Tiara Byrd, Baylor College of Medicine, Houston, TX, United States.

A26 The metastatic potential of breast cancer cells was suppressed by NLRP3 inflammasome inhibition in macrophages. Joo Lee, The Catholic University of Korea, Bucheon, Korea, Republic Of.

A27 TIM-3 suppresses CD103+ dendritic cell function and response to chemotherapy in breast cancer. Brian Ruffell, H Lee Moffitt Cancer Center, Tampa, FL, United States.

A28 Identifying putative predisposition genes in hereditary and early onset breast cancer using whole exome sequencing. Dirce Carraro, A. C. Camargo Cancer Center, São Paulo, São Paulo, Brazil.

A29 Investigation of RECQL variants in European and African American breast cancer cohorts. Madison Chandler, Auburn University, Auburn, AL, United States.



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A30 PELP1 and AIB1 cooperate to promote breast cancer progression in ER+ breast cancer models. Thu Truong, Masonic Cancer Center, University of Minnesota, Minneapolis, MN, United States.

A31 Risk stratification of ductal carcinoma in situ: Analytical validation of a prognostic test analyzing live-primary cells via phenotypic biomarkers and machine learning at single cell resolution. Kevin Knopf, Cancer Commons, San Francisco, CA, United States.

A32 Semaphorin 7a promotes tumor associated macrophage mediated lymphangiogenesis in postpartum breast cancer. Traci Lyons, University of Colorado Anschutz Medical Campus, Aurora, CO, United States.

A33 Using deep learning to quantify TILs and correlate patterns of epithelium and stroma in breast cancer H&E images with ER/PR/Her2 status. Rishi Rawat, University of Southern California, Los Angeles, CA, United States.

A34 Bcl11b maintains the long term mammary stem cell and is crucial for the drug resistance in breast cancer. Shang Cai, Stanford University, Palo Alto, CA, United States.

A35 Characterizing the role of the nuclear coactivator AIB1 in triple negative breast cancer. Francisco Saenz, Georgetown University, Washington, DC, United States.

A36 Chemosensitivity to trastuzumab emtansine (T-DM1) differs in naturally or transduced HER2-overexpressing human breast cancer cells. Jeffrey Wu, OHSU, Portland, OR, United States.

A37 Combined targeting of estrogen receptor alpha and nuclear transport pathways remodel metabolic pathways to induce apoptosis and overcome tamoxifen resistance. Eylem Kulkoyluoglu Cotul, University of Illinois at Urbana-Champaign, Urbana, IL, United States.

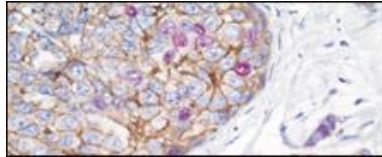
A38 Comprehensive kinome activity mapping of triple negative breast cancer. Nina Koemans, Helen Diller Family Comprehensive Cancer Center, University of California at San Francisco, San Francisco, CA, United States.

A39 Estrogen-driven non-canonical WNT4 signaling is essential for proliferation and survival in lobular carcinoma cells. Deviyani Rao, University of Colorado Anschutz Medical Campus, Aurora, CO, United States.

A40 FAK inhibition prevents AKT activation in response to mTOR inhibitors and synergistically inhibits breast cancer growth. Leslie Cuellar Vite, Case Western Reserve University, Cleveland, OH, United States.

A41 Identification of hormone-dependent lncRNAs that associate with estrogen signaling pathway in breast cancer. Satoshi Inoue, Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan.

A42 Identifying relationships between high expression levels of the HSPA9 gene, putative HSPA9 alterations, and patient survivability in invasive breast carcinomas. Kofi Khamit-Kush, Morehouse School of Medicine, Atlanta, GA, United States.



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A43 Increase cyclin A expression is associated with antiprogesterin resistance and progesterone receptor isoforms ratio in experimental models of breast cancer. Victoria Fabris, Instituto de Biología y Medicina Experimental, Ciudad Autónoma De Buenos Aires, Buenos Aires, Argentina.

A44 Intrinsic fibroblast growth factor 2 mediates acquired resistance to endocrine therapy in breast cancer. Virginia Figueroa, Instituto de Biología y Medicina Experimental, Ciudad Autónoma De Buenos Aires, Buenos Aires, Argentina.

A45 Kinome rewiring reveals AURKA is a molecular barrier to the efficacy of PI3K/mTOR-pathway inhibitors in breast cancer. Sourav Bandyopadhyay, University of California, San Francisco, San Francisco, CA, United States.

A46 KLF4 overcomes tamoxifen resistance by suppressing MAPK signaling pathway in breast cancer. Yunlu Jia, Zhejiang University, Hangzhou, China.

A47 Long-term treatment of bortezomib reduced resistance to doxorubicin by reducing CerS6/GCS and elevating CerS2/GBA expressions. Park Woo-Jae, Department of Biochemistry, School of Medicine, Gachon University, Incheon, Korea, Republic Of.

A48 MET and EGFR interaction promotes acquired resistance to kinase inhibition in TNBC. Elizabeth Tovar, Van Andel Research Institute, Grand Rapids, MI, United States.

A49 Modeling “decathlon winner” cancer cells that drive therapy resistance and metastasis in triple-negative breast cancer. Balraj Singh, The University of Texas MD Anderson Cancer Center, Houston, TX, United States.

A50 Modeling and targeting of oncogenic proteotoxic stress in drug-resistant breast cancer. Navneet Singh, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, United States.

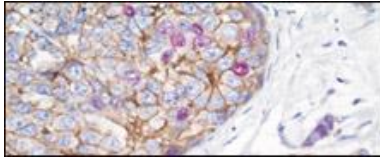
A51 Navitoclax improves response to chemotherapy treatment by eliminating senescent cells *in vitro* and *in vivo*. Sonia Rao, Tulane Medical School, New Orleans, LA, United States.

A52 N-CoR2 restricts breast cancer treatment by repressing the TLR anti-viral response. Kelvin Tsai, Taipei Medical University, Taipei, Taiwan.

A53 [10]-gingerol interferes with the adhesion of MDA-MB-231 tumor cells to extracellular matrix. Angelina Fuzer, Federal University of São Carlos, São Carlos, São Paulo, Brazil.

A54 A cellular and molecular atlas of the human breast for dissecting mechanisms of cell and tissue function. Rosalyn Sayaman, Lawrence Berkeley National Laboratory, Berkeley, CA, United States.

A55 A prospective geriatric breast cancer cohort study to define unique features and outcomes in older breast cancer patients. Anne Noonan, The Ohio State University, Columbus, OH, United States.



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A56 A SOX10-associated epigenetic program linking primitive differentiation state with reduced immunogenicity in triple-negative breast cancer. Jodi Saunus, QIMR Berghofer Medical Research Institute, Herston, QLD, Australia.

A57 Antisense oligonucleotide therapeutics with receptor-targeted delivery in triple negative breast cancer cells via microRNA blockade without passenger strand side effects. Yuan-Yuan Jin, Bound Therapeutics LLC, Marlton, NJ, United States.

A58 Application of evolutionary principles to control ER+ breast tumors.. Pedro Enriquez-Navas, Moffitt Cancer Center, Tampa, FL, United States.

A59 Assessment of conditional reprogramming to generate 2D and 3D primary human mammary cell culture models. Stacey Chung, Cedars-Sinai Medical Center, Los Angeles, CA, United States.

A60 AURKA interaction with MEK1/2 complex and its role in promoting breast cancer cell metastasis. Malgorzata Gil, Roswell Park Cancer Institute, Buffalo, NY, United States.

A61 BRCA1-associated R-loop accumulation at non-coding putative ER α enhancer area block luminal epithelial differentiation. Huai-Chin Chiang, UT Health San Antonio, San Antonio, TX, United States.

A62 Canine pedigree analysis as a model of hereditary breast cancer. Anna Huskey, Auburn University, Auburn, AL, United States.

A63 Characterizing the role of ancestry-specific variants of the *Duffy Antigen Receptor for Chemokines (DARC)* gene in the breast tumor microenvironment. Rachel Martini, University of Georgia, Athens, GA, United States.

**A64 Cold-inducible RNA binding protein (CIRP) links inflammation and breast cancer
.** Daniel Lujan, University of New Mexico Health Sciences Center, Albuquerque, NM, United States.

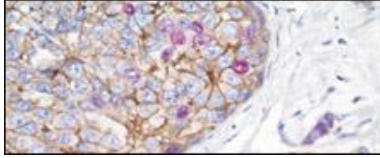
A65 Dicistronic reporter screen for Internal Ribosome Entry Site (IRES) - mediated translational regulation of truncated p110 ERBB2 isoform. Yu Zong, Stanford Cancer Institute, School of Medicine, Stanford University, Stanford, CA, United States.

A66 Differentiation dynamics of the developing mammary gland revealed by single-cell RNA-sequencing. Karsten Bach, Department of Pharmacology, Cambridge, United Kingdom.

A68 Effects of new ruthenium complexes on metastasis-related processes in breast cancer cells in vitro. Angelica Graminha, Universidade Federal de São Carlos, São Carlos, São Paulo, Brazil.

A69 Efficacy of Alternative 28 day Capecitabine Dosing Schedule in Metastatic Breast Cancer. Nicole Williams, The Stefanie Spielman Comprehensive Breast Center, Columbus, OH, United States.

A70 ESR1 mutations confer novel metastatic functions in genome-edited breast cancer models. Zheqi Li, University of Pittsburgh, Pittsburgh, PA, United States.



Advances in Breast Cancer Research

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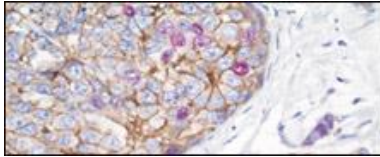
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A71 Evaluation of ruthenium complex $[\text{Ru}(\text{AmSal})(\text{dppe})_2]\text{PF}_6$ on the proliferation, morphology and migration of triple negative MDA-MB-231 breast tumor cells. Cecília Popolin, Universidade Federal de São Carlos, São Carlos, SP, Brazil.

A72 Exploring the role of miR-223 loss in mammary epithelial cell transformation. Barbara Belletti, CRO of Aviano, Aviano, Italy.



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B01 Immune cell infiltrates differ by obesity in tumor and adjacent normal breast tissue in African American women with triple negative breast cancer. Asra Shaik, Wayne State University School of Medicine, Detroit, MI, United States.

B02 Intratumoral bidirectional transitions between epithelial and mesenchymal cells in triple-negative breast cancer. Mizuki Yamamoto, University of Tokyo, Tokyo, Japan.

B03 Minor clones can drive polyclonal metastasis by affecting immune microenvironment. Michalina Janiszewska, Dana-Farber Cancer Institute, Harvard Medical School, Boston, MA, United States.

B04 Palbociclib based combinatorial drug screening in ER positive cell lines identifies efficacious single agents and novel combinations with synergistic interactions. James Korkola, Oregon Health & Science University, Portland, OR, United States.

B05 Pathological complete response is an independent prognostic factor for locoregional recurrence in locally advanced breast cancer patients after neoadjuvant chemotherapy. Hsu-Huan Chou, Chang Gung Memorial Hospital, Taoyuan City, Taiwan.

B06 Similarity in breast cancer diversity: A novel target for breast cancer therapy. Hossein Ghanbari, Panacea Pharmaceuticals, Inc., Gaithersburg, MD, United States.

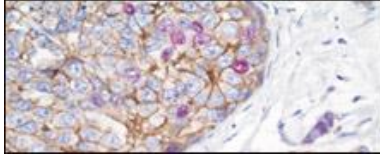
B07 The role of IRF5 in mammary gland development and tumorigenesis. Dan Li, Feinstein Institute, Manhasset, NY, United States.

B08 The tumor microbiome of ER⁺ versus triple negative breast cancer. Juliana Noguti, Los Angeles Biomedical Research Institute, Torrance, CA, United States.

B09 Tumorigenic process of triple negative breast cancer analyzed by influence of *BRCA1* deficiency. Dirce Carraro, A. C. Camargo Cancer Center, São Paulo, São Paulo, Brazil.

B11 HDAC6 as a therapeutic target in human breast cancer. Charles Clevenger, Virginia Commonwealth University, Richmond, VA, United States.

B12 Paracrine Hh signaling in TNBC drives a reversible stem-like, drug-resistant phenotype via FGF signaling and ECM remodeling. Alexander Swarbrick, Garvan Institute of Medical Research, Darlinghurst, NSW, Australia.



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B13 Plasma G-CSF levels are predictive of lack of response to zoledronic acid treatment in reducing breast cancer recurrence. Jessalyn Ubellacker, Department of Medicine, Harvard Medical School, Boston, MA, United States.

B14 Sprouty4 regulates the transition to invasive breast ductal carcinoma through ERK/MAPK signaling. Ethan Brock, Wayne State University School of Medicine, Detroit, MI, United States.

B15 Targeting androgen receptor N-terminal domain with ralaniten in breast cancer. Amy Tien, Genome Sciences Centre, BC Cancer Agency, Vancouver, BC, Canada.

B16 Targeting Myc in metastatic breast cancer by Omomyc: From proof-of-principle to pharmacological approach. Daniel Massó-Vallés, Vall d'Hebron Institute of Oncology, Barcelona, Catalunya, Spain.

B17 Activating AMPK signaling by SCT-1015 to suppress tumor growth on triple negative breast cancer cells. Chung-Wai Shiau, National Yang-Ming University, Taipei, Taiwan.

B18 ADSL controls pyrimidine metabolism and triple negative breast tumorigenesis. Qing Zhang, UNC-Chapel Hill, Chapel Hill, NC, United States.

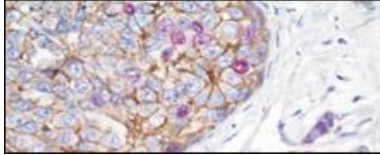
B19 Compound 23 inhibits high glucose-induced breast cancer progression in vivo through regulating activity and expression of PP2C δ . Yong Wu, Charles R. Drew University of Medicine and Science, Los Angeles, CA, United States.

B20 Glutamine metabolic vulnerabilities define triple-negative from Luminal A breast cancer subsets. Jeff Holst, Centenary Institute, Camperdown, Nsw, Australia.

B21 Improved efficacy of mitochondrial disrupting agents upon inhibition of autophagy in a mouse model of BRCA1-deficient breast cancer. Syn Yeo, University of Cincinnati, Cincinnati, OH, United States.

B22 Inducing cell state transitions in triple negative breast cancer (TNBC). Ser Yue Loo, Genome Institute of Singapore, Singapore, Singapore.

B23 Intravital optical imaging of tumor vascular oxygenation and metabolism in murine breast cancer xenografts of varying metastatic potential. Narasimhan Rajaram, University of Arkansas, Fayetteville, AR, United States.



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B24 Met and VDAC1 as target for breast cancer therapy. Ilan Tsarfaty, Tel Aviv University, Tel Aviv, Israel.

B25 Metabolic adaptations during dormancy and recurrence. James Alvarez, Duke University, Durham, NC, United States.

B26 Thermally abused frying oil enhances metastatic progression *in vivo* and *in vitro*: a link to elevated fumarate levels. Jennifer Hughes, University of Illinois, Urbana, IL, United States.

B27 Transfection of mutant P53 promotes membrane translocation of GLUT1 and increases glucose uptake in MCF10A human breast epithelial cells. Sung Gwe Ahn, Gangnam Severance Hospital, Seoul, Korea, Korea, Republic Of.

B28 A cell non-autonomous aging mechanism in breast epithelia that increases susceptibility to cancer. Masaru Miyano, City of Hope, Duarte, CA, United States.

B29 An allelic series of rat mutations reveal a role of TOX3 in mammary gland development, obesity and breast cancer susceptibility. Bart Smits, Medical University of South Carolina, Charleston, SC, United States.

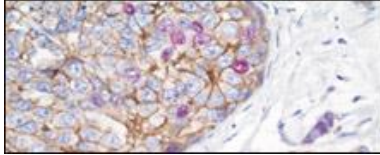
B30 Bovine leukemia virus in breast tissue linked to increased proliferation and breast cancer risk. Gertrude Buehring, Univ. California, Berkeley, Berkeley, CA, United States.

B31 Extracellular matrix, stiffness, miR-203, ZNF217 and mammographic density. Ivory Dean, University of California San Francisco, San Francisco, CA, United States.

B32 Stage of preneoplastic breast cancer progression impacts the efficacy of chemoprevention. Anjana Bhardwaj, The University of Texas MD Anderson Cancer Center, Houston, TX, United States.

B33 Neoadjuvant chemotherapy promotes macrophage-induced Mena^{INV}-dependent pro-metastatic changes in breast tumors. George Karagiannis, Albert Einstein College of Medicine, Bronx, NY, United States.

B34 Novel synergistic combination therapies with BET bromodomain inhibitors in triple-negative breast cancer. Samantha Bevill, UNC Chapel Hill, Chapel Hill, NC, United States.



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B35 Palbociclib treatment activates FAK and use of palbociclib in combination with the FAK inhibitor PF-562,271 enhances anti-tumor activity in ER positive breast cancer cells.

Christina Addison, Ottawa Hospital Research Institute, Ottawa, Ontario, Canada.

B36 Progesterone receptor signaling in estrogen receptor-positive breast cancer. Amy Young, Genentech, Inc., South San Francisco, CA, United States.

B37 The kinome of chemotherapy-resistant TNBC and identification of targetable kinases. Carolien Van Der Borden, Helen Diller Family Comprehensive Cancer Center, University of California at San Francisco, San Francisco, CA, United States.

B38 The role of BQ323636.1, a novel splice variant of NCOR2, in modulation of oxidative stress in breast cancer. Man Hong Leung, The University of Hong Kong, Hong Kong, Hong Kong.

B39 Therapeutic effect of anti-Progranulin (GP88) antibody AG01 in letrozole resistant and triple negative breast cancer cells. Rupa Guha, University of Maryland, Baltimore, Md - Maryland, United States.

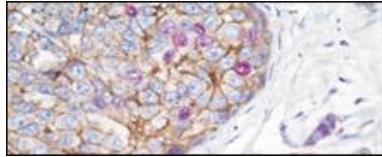
B40 Translation initiation factor eIF2 serine 51 phosphorylation suppresses HER2-mediated tumorigenesis and increases sensitivity of HER2+ breast cancer to Trastuzumab therapy. Antonis Koromilas, Lady Davis Institute-McGill University, Montreal, QC, Canada.

B41 BP1 is an important biomarker in breast cancer. Patricia Berg, George Washington University, Washington, D.C., United States.

B42 Identification of CPT1A as a novel driver of proliferation in luminal breast cancer. Michael Gatza, Rutgers Cancer Institute, New Brunswick, NJ, United States.

B43 NF1 deficiency induces aggressive mammary carcinomas in a CRISPR rat model and correlates with poor outcome in sporadic human breast cancer. Carrie Graveel, Van Andel Research Institute, Grand Rapids, MI, United States.

B44 Role of EGFR/ERBB4 and MAPK signaling in modulating oncogenic potential of ER+ breast cancer cells overexpressing HER3 mutant. Rosalin Mishra, James L. Winkle college of pharmacy, Cincinnati, OH, United States.



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B45 Studying the interactome of breast cancer: The cancer cell map initiative. Minkyu Kim, University of California San Francisco, San Francisco, CA, United States.

B46 Targeting EZH2 reactivates a breast cancer subtype-specific antimetastatic transcriptional program. William Muller, McGill, Montreal, QC, Canada.

B47 Validation of novel breast cancer drivers using mammary stem cell based somatic mouse models. Wenjun Guo, Albert Einstein College of Medicine, New York City, NY, United States.

B48 Whole genome sequencing and transcriptomic analysis of MMTV-Neu and MMTV-PyMT mammary tumors. Eran Andrechek, Michigan State University, East Lansing, MI, United States.

B49 Ganoderma lucidum extract (GLE) decreases stemness properties in Triple Negative Breast Cancer by regulating STAT3. Tiffany Rios-Fuller, Universidad Central del Caribe School of Medicine, Bayamon, PR, United States.

B50 Ganoderma lucidum extract (GLE) inhibits migration and protein expression in triple-negative metastatic breast cancer. Gabriela Ortiz-Soto, Universidad Central del Caribe School of Medicine, Bayamon, PR, United States.

B51 Genetic etiology of ER low/HER2- breast tumors. Rachel Ellsworth, Murtha Cancer Center, Bethesda, MD, United States.

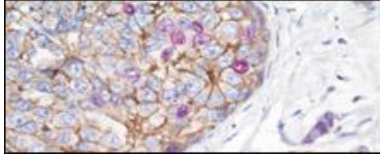
B52 HIF-ZMYND8-BRD4 axis mediates breast cancer progression and metastasis. Yan Chen, UT Southwestern Medical Center, Dallas, TX, United States.

B53 Investigating genetic drivers of disease progression in invasive lobular carcinoma. Nilgun Tasdemir, University of Pittsburgh, Pittsburgh, PA, United States.

B54 Investigating Semaphorin 7a in hormone receptor positive breast cancer progression. Lyndsey Crump, University of Colorado- Denver, Aurora, CO, United States.

B55 Investigating the role of Semaphorin 7a in triple negative breast cancer cell invasion. Sarah Tarullo, University of Colorado Anschutz Medical Campus, Aurora, CO, United States.

B56 Isolation and characterization of Met-tyrosine kinase signaling modifier genes that dictate breast carcinoma development. Ilan Tsarfaty, Tel Aviv University, Tel Aviv, Israel.



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B57 Microtubule dynamics regulates mammary gland morphogenesis and tumorigenesis via stathmin. Barbara Belletti, CRO-Aviano National Cancer Institute, Aviano, Italy.

B58 Modeling oncogenic events in breast cancer precursor cells to study cancer evolution and genomic instability. Justyna Kanska, Cedars Sinai Medical Center, Los Angeles, CA, United States.

B59 Multi-parametric imaging to evaluate human and mouse breast carcinoma in situ. Vidya Sinha, The University of Texas MD Anderson Cancer Center, Houston, TX, United States.

B60 Omics profiling of CDK4/6 inhibitors reveals functionally important secondary targets of abemaciclib. Caitlin Mills, Harvard Medical School, Boston, MA, United States.

B62 Perturbed myoepithelial cell differentiation in BRCA mutation carriers and in DCIS (ductal carcinoma in situ). Lina Ding, Dana-Farber Cancer Institute, Boston, MA, United States.

B63 Prognostic and predictive value of EGFR and EGFR-ligands in blood of breast cancer patients: A systematic review. Ina Kjaer, Lillebaelt Hospital, Vejle, Denmark.

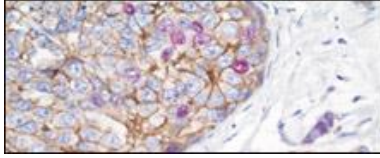
B64 Sox10 drives tumor progression in breast cancer by reprogramming mammary tumor cells into a state of plasticity resembling primitive neural crest cells. Christopher Dravis, Salk Institute for Biological Studies, La Jolla, CA, United States.

B66 The conditional requirement of HER3 in HER2-amplified breast cancers. Ana Ruiz-Saenz, University of California, San Francisco, San Francisco, CA, United States.

B67 The DLK1-DIO3 imprinted region regulates long-term proliferation in normal and malignant breast epithelium. Maider Zabala, Stanford University, Stanford, CA, United States.

B68 The effects of Ca²⁺ on HGF/SF induced breast tumor cells proliferation and motility in vitro and in vivo – Single cell and MRI analysis. Galia Tsarfaty, The Chaim Sheba Medical Center, Ramat Gan, Israel.

B69 The effects of patient-physician relationships on perceptions of breast cancer treatment in African American women. Alexandria Lauray, Clark Atlanta University, Atlanta, GA, United States.



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B71 Transcriptomics reveal fibroblast-derived extracellular matrix molecules as strong contributors to ILC development and tumor microenvironment. Julia Houthuijzen, Netherlands Cancer Institute, Amsterdam, Netherlands.