

AACR 2020 Virtual Conference Session II **June 22- 24, 2020**

Full program: <https://www.aacr.org/meeting/aacr-annual-meeting-2020/virtual-meeting-ii-program/>

AACR News

Michelle Le Beau, PhD, Arthur and Marian Edelstein Professor of Medicine, Director of the University of Chicago Medicine Comprehensive Cancer Center is the 2020 recipient of the AACR – *Margaret Foti Award for Leadership and Extraordinary Achievements in Cancer Research*.

Read the AACR press release [here](#), At the Forefront article [here](#), and the UChicago Medicine announcement [here](#).

Events

June 23, 2020 5:15-6PM ET/4:15-5PM CT

AACR Margaret Foti Award for Leadership and Extraordinary Achievements in Cancer Research Lecture
Therapy-related myeloid neoplasms: When genetics and environment collide
Michelle Le Beau

Oral Presentations

June 23, 2020 9:20-30AM ET/8:20-30AM CT

Session MS.IM02.03 - Immunomodulatory Agents and Interventions
1072 - **Lymphangiogenesis-inducing vaccines for melanoma treatment elicit potent tumor-specific T cell immunity and long-term tumor control**
Maria Stella Sasso...**Melody Swartz**.

June 23, 2020 9:20-30AM ET/8:20-30AM CT

Session MS.IM02.04 - Novel Immunotherapies and Mechanisms
5695 - **Induction of lymphangiogenesis in breast cancer enhances responsiveness to immunotherapies**
Peyman Hosseinchi...**Melody Swartz**.

June 24, 2020 10:20-30AM ET/9:20-9:30 CT

#AACR20 Virtual Meeting

Session MS.IM02.02 - Combination Immunotherapies

3417 - **A phase II basket trial of dual anti-CTLA-4 and anti-PD-1 blockade in rare tumors (DART) SWOG S1609: The small bowel tumor cohort**

Young Kwang Chae...**Blase Polite**...Razelle Kurzrock.

June 24, 2020 2:15-35PM ET/1:15-35PM CT

Session MW12 - Emerging Models: Bring in the Engineers

In vitro models of the tumor-immune interface

Melody Swartz.

June 24, 2020 5:30-50PM ET/4:30-50PM CT

Session ED37 - Radiation and Immunotherapy

Radiotherapy and immunotherapy in oligometastatic disease

Ralph Weichselbaum.

Poster Presentations

Available starting June 22, 2020 9AM/ET 8AM CT

Note: Links to PDFs of posters will be available through the AACR website and will be accompanied by an audio description.

Session PO.EP01.08 - Genetics, Genomics, Polygenic Score, and Risk Prediction

2320 / 4 - **Evaluating a polygenic risk score for breast cancer in women of African ancestry**

Zhaohui Du... **Olufunmilayo Olopade**...Christopher A. Haiman.

Session PO.EP01.07 - Breast Cancer

4613 / 1 - **Cross-ancestry genome-wide association study identifies six new loci for breast cancer in women of African and European ancestry**

Babatunde Adedokun...**Olufunmilayo Olopade**...**Dezheng Huo.**

Session PO.MCB05.01 - DNA Methylation

160 / 24 - **Identifying differential methylation patterns of benign and tumor prostate tissue in African American and European American prostate cancer patients**

Meytal B. Chernoff...**Brandon Pierce.**

Session PO.PR03.01 - Implementation Science

5748 / 13 - **Declines in health-related quality of life among older patients diagnosed with hematologic malignancies**

Ashwini Zolekar...**Brian Chiu**...Gregory S. Calip.

Session PO.EP01.04 - Integrative Genomics

28 / 1 - **Integrating genomic and transcriptomic data to identify genetic loci associated with breast cancer risk in women of African ancestry**

Guochong Jia...**Dezheng Huo**...**Olufunmilayo Olopade**...Wei Zheng.

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Session PO.IM02.16 - Immune Response to Therapies 1

5535 / 25 - **SEA-CD40 is a non-fucosylated anti-CD40 antibody with potent pharmacodynamic activity in preclinical models and patients with advanced solid tumors**

Haley Neff-LaFord...**Thomas Gajewski**...Andrew L. Coveler.

Session PO.CL01.04 - Tumor Type-focused Translational Research Specific

5451 / 29 - **Longitudinal proteomic assessment of patient with metastatic apocrine adenocarcinoma reveals evolutionary selection for androgen-receptor-dependence and therapeutic response**

Erik Dvergsten...**Russell Szmulewitz**, Michael L. Maitland.

Session PO.TB07.02 - Novel Tumor Imaging Techniques and Probes

1646 / 7 - **Preclinical oxygen imager for cancer oxygenation studies**

Boris Epel, **Howard Halpern**, Mrignaayni Kotecha.

Session LBPO.TB03 - Late-Breaking Research: Tumor Biology 3

LB-370 / 22 - **Whole-genome analysis of breast cancer patients from Nigeria reveals ethnic-specific evolution of somatic alterations and significant intratumoral heterogeneity**

Naser Ansari-Pour...**Olufunmilayo Olopade**.

Session VM2PO.CT01 - Phase I Clinical Trials

CT162 - **The phase 1b PORTIA study: Safety and efficacy of tisagenlecleucel plus pembrolizumab in patients with relapsed/refractory diffuse large B-cell lymphoma (r/r DLBCL)**

Ulrich Jaeger...**Peter Riedell**...Edmund K. Waller.

Session PO.IM02.13 - Immune Mechanisms Invoked by Therapies 2

2253 / 6 - **Lymphangiogenesis augments the anti-tumor efficacy of radiotherapy in mouse melanoma**

Nikolaos Mitrousis, Maria Stella Sasso, **Ralph Weichselbaum**...**Melody Swartz**.

Session PO.TB10.02 - Methods to Measure Tumor Evolution and Heterogeneity

2697 / 15 - **Single cell RNA sequencing and tumor cell heterogeneity in metastatic triple-negative breast cancer**

Dongbo Yang...**Marsha Rosner**.

Session PO.CL01.03 - New Technologies and Other Translational Studies

4263 / 17 - **Characterization of patient-specific drug delivery for breast cancer using image-guided computational fluid dynamics**

Chengyue Wu...**Gregory S. Karczmar**...Thomas E. Yankeelov.

Session PO.IM01.02 - Immunogenomics

4492 / 5 - **Characterization of the T-Cell receptor repertoire in patients with acute myeloid leukemia treated with 5-Azacytidine plus chemotherapy**

John Beckford...**Wendy Stock**...Houda Alachkar.

Session PO.TB04.07 - Metastasis Therapies

5038 / 25 - **Limited inhibition of multiple nodes in a driver network blocks metastasis**

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Ali Ekrem Yesilkanal...**Marsha Rosner**.

Session PO.BSB01.01 - Actionable Feature Detection in NGS and Omics

5468 / 16 - **Gene fusions in breast cancer in Nigerian women**

Anna Elizabeth Woodard...**Olufunmilayo Olopade**.

Session PO.PR03.01 - Implementation Science

5749 / 14 - **The association between physical health-related quality of life, physical functioning and risk of contralateral breast cancer**

Nita Mukand...**Brian Chiu**...Gregory S. Calip.

Session PO.TB07.03 - New Imaging-based Approaches to Plan, Monitor, and Augment Cancer Treatment

2773 / 5 - **Increased tumor control boosting hypoxic regions identified with EPR pO₂ imaging in 2 tumor types**

Howard Halpern...**Bulent Aydogan**, **Ralph Weichselbaum**...Boris Epel.

Session PO.MCB04.01 - Gene Regulation and Transcription Factors 1

1290 / 13 - **Role of NNMT-regulated m6A mRNA modification in triple-negative breast cancer oncogenic gene expression**

Deniz N. Dolcen...**Chuan He**, Suzanne D. Conzen.

Session PO.TB07.02 - Novel Tumor Imaging Techniques and Probes

1648 / 9 - **Multimodal imaging of tumor hypoxia with ¹⁸F-misonidazole PET, EPR, and MRI**

Inna Gertsenshteyn...**Gregory Karczmar**...**Chin-Tu Chen**, **Howard Halpern**.

Session PO.IM02.03 - Adoptive Cell Therapy 3

3238 / 10 - **Engineering chimeric antigen receptors for adoptive T cell therapy of cancers that express the Tn antigen**

Preeti Sharma...**Hans Schreiber**, David M. Kranz.

Session PO.MCB08.05 - The Warburg Effect

5989 / 1 - **Metabolic heterogeneity of the tumor microenvironment**

Bradley I. Reinfeld...**Alex Muir**...W. Kimryn Rathmell.

Session PO.ET01.02 - Novel Therapeutic Approaches

6428 / 22 - **Imputing a more selective therapy: Identifying Wee1 and XPO1 inhibitors for TNBC**

Robert F. Gruener...**Geoffrey Greene**, R. Stephanie Huang.

Session PO.CH01.02 - Targeted Delivery of Small Molecules and Biologics 1

1729 / 15 - **Novel liposomal topotecan formulation has a lower IC₅₀ than the free form on neuroblastoma cells**

Paula Viza Gomes...**Jessica Kandel**...Sonia L. Hernandez.

Session PO.EN02.01 - Molecular, Preclinical, and Clinical Endocrinology 2

4370 / 13 - **Lasofoxifene alone or in combination with palbociclib as an effective treatment for therapy-resistant ER-positive metastatic breast cancer**

Muriel Laine...**Geoffrey Greene**.

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Session PO.EN02.01 - Molecular, Preclinical, and Clinical Endocrinology 2

4374 / 17 - **CE+BZA combination therapy decreases breast cancer outgrowth in part through activation of the AHR pathway**

Anna G. Dembo...**Geoffrey Greene**.

Session PO.BSB01.06 - Tumor Heterogeneity and Microenvironment: Next-Generation Sequencing, Single Cell, and Imaging

4428 / 23 - **Characterizing the tumor-infiltrating T-cell repertoire of breast cancer in indigenous African patients from Southwest Nigeria**

Jean-Baptiste Reynier...**Olufunmilayo Olopade**.

Session PO.IM02.22 - Vaccines

4582 / 22 - **Tumor matrix-targeted polymeric glyco-adjuvant for in situ cancer vaccination**

Laura T. Gray...**Melody Swartz**, Jeffrey Hubbell.

Session PO.CL01.01 - Translational Research with Targeted Therapies

799 / 6 - **CDKN2A mutation predicts immunotherapy resistance in stage III/IV NSCLC**

Stanley I. Gutiontov, **Sean Pitroda**.