

**Florida Academic Cancer Center Alliance (FACCA) Virtual Research Retreat  
October 28-29 via ZOOM**

<b>Wednesday, October 28, 2020</b>	
<a href="#"><u>2020 FACCA Retreat Main Session</u></a>	<a href="#"><u>2020 FACCA Retreat Parallel Sessions</u></a>
UF Director Welcome	
Opening Remarks	
Session 1: Aging and Cancer	
Session 2: Drug Resistance	Session 3: Cancer Survivorship
Session 4: Biomarkers – Liquid Biopsy	Session 5: Recruitment of Under Represented Minorities in Clinical Trials

**Wednesday, October 28, 2020: 1:00 pm – 4:40 pm**

**1:00 - 1:05**      **UF Director Welcome**  
Jonathan Licht, MD

**1:05 - 1:30**      **Opening Remarks**  
Jonathan Licht, MD [UF]  
John Cleveland, PhD [Moffitt]  
Stephen Nimer, MD [SCCC]

**1:30 - 2:30**      [Session 1: Aging and Cancer](#)

**Moderator: Lizi Wu, PhD**

**Daohong Zhou, PhD (UF)**  
*Senescent Cells: An Emerging Target for Aging and Cancer*

**Ana Gomes, PhD (Moffitt)**  
*Age-Driven Mechanisms That Promote Tumor Progression*

**Maria E. Figueroa, MD (Sylvester)**  
*Epigenetic Deregulation in Hematopoietic Stem Cells with Aging*

**2:30 - 2:35**      **5 min break**

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**2:35 - 3:35**

**Parallel Sessions 2-3**

**Session 2: Drug Resistance**

**Moderator: Keiran Smalley, PhD**

**Keiran Smalley, PhD (Moffitt)**

*Overcoming Targeted Therapy Resistance Through Immune Priming*

**Jonathan Licht, MD (UF)**

*NSD2 Mutation: An Epigenetic Cause of Therapy resistance in Childhood Acute Lymphocytic Leukemia*

**Nagi Ayad, PhD (Sylvester)**

*Integration of Transcriptomic, Proteomic, and Cheminformatic Datasets to Overcome Resistance in Glioblastoma*

**Session 3: Cancer Survivorship**

**Moderator: Frank Penedo, PhD**

**Diana Wilkie, PhD (UF)**

*Dignity: Status of a Cancer Survivorship Imperative*

**Brian Gonzalez, MD (Moffitt)**

*Identifying Disparities in Prostate Cancer Patient-Reported Outcomes*

**Diana Molinares, MD (Sylvester)**

*Cancer Rehabilitation Medicine in Survivorship*

**3:35 - 3:40**

**5 min break**

**3:40 - 4:40**

**Parallel Sessions 4-5**

**Session 4: Biomarkers – Liquid Biopsy**

**Moderator: Z. Hugh Fan, PhD**

**Yong Zeng, PhD (UF)**

*Liquid Biopsy-based Cancer Diagnosis and Prognosis Using Advanced Extracellular Vesicle Analysis Nanochips*

**Liang Wang, PhD (Moffitt)**

*Liquid Biopsies in Advanced Prostate Cancer*

**Ashutosh Agarwal, PhD (Sylvester)**

TBD

**Session 5: Recruitment of Under Represented Minorities in Clinical Trials**

**Moderator: Folakemi Odedina, PhD**

**Folakemi Odedina, PhD (UF)**

*Improving the Representation of Blacks in Clinical Trials: Innovative Recruitment Methods*

**Susan Vadaparampil, PhD, MPH/ Jhanelle Gray, MD (Moffitt)**

*Center-wide and Clinic-level Efforts to Increase Minority Participation in Clinical Trials*

<b>Thursday, October 29, 2020</b>	
<a href="#"><u>2020 FACCA Retreat Main Session</u></a>	<a href="#"><u>2020 FACCA Retreat Parallel Sessions</u></a>
Shared Resources	
Session 6: Single Cell Technologies and Application	
Session 7: Health Equity	Session 8: New Technologies: Drug Development
Session 9: Resistance to Immunotherapy	Session 10: Obesity, Metabolism, and Cancer
Session 11: Microbiome	Session 12: AI in Cancer Research
Closing Remarks	

**Thursday, October 29, 2020: 8:00 am – 1:30 pm**

**8:00 - 9:00**

**[Shared Resources](#)**

**Moderator:** Steven Madore, PhD

**Steven Madore, PhD (UF)**

*Long Read DNA Sequencing*

**Christine O’Connell / Florian Karreth, PhD (Moffitt)**

*The Moffitt Gene Targeting Core*

**George Grills, PhD (Sylvester)**

*Overview of Sylvester Shared Resources and Exploring the Possibility of Establishing Regional Shared Resources*

**9:00 - 10:00**

**[Session 6: Single Cell Technologies and Application](#)**

**Moderator:** William Harbour, MD

**Ann Chen, PhD (Moffitt)**

*Single Cell RNA-seq and Metabolomics Visual Analytics*

**David Tran, MD, PhD (UF)**

*Induction of Anti-tumor Immunity by Tumor Treating Fields in Glioblastoma Revealed by Single Cell Analysis*

**William Harbour, MD (Sylvester)**

*New Discoveries in Eye Cancer Using Single-Cell Sequencing*

**10:00 - 10:05**

**5 min break**

10:05 - 11:05

Parallel Sessions 7-8

**Session 7: Health Equity**

**Moderator: Folakemi Odedina, PhD**

**Nancy Mendenhall, MD (UF)**

*Health Care Disparities in Proton Therapy for Prostate Cancer*

**Lauren Peres, PhD (Moffitt)**

*Expanding Our Understanding of Racial/Ethnic Disparities in Ovarian Cancer*

**Erin Kobetz, PhD, MPH (Sylvester)**

TBD

**Session 8: New Technologies: Drug Development**

**Moderator: Daohong Zhou, MD**

**Justin Lopchuk, PhD (Moffitt)**

*New Synthetic Methods for Enabling Drug Discovery*

**Guangrong Zheng, PhD**

*Targeted Degradation of Bcl-xL and Beyond*

**Shaun Brothers, PhD, MBA (Sylvester)**

*Cancer Drug Personalization via Unbiased High Throughput Screening*

11:05 - 11:10

5 min break

11:10 - 12:10 pm

Parallel Sessions 9-10

**Session 9: Resistance to Immunotherapy**

**Moderator: Srikumar Chellappan, PhD**

**Jose Conejo-Garcia, MD, PhD (Moffitt)**

*CD277 Targeting Abrogates PD-1-resistant Malignant Progression Through Coordinated GD and AB T Cell Responses*

**Lingtao Jin, PhD (UF)**

*Lipid Metabolism Signaling in Anti-tumor Immunity*

**Marco Davila, MD, PhD (Moffitt)**

*Mechanisms of CAR T Cell Toxicity and Resistance*

**Krishna Komanduri, MD (Sylvester)**

*Relapse After CAR-T Therapy—Mechanisms and Strategies to Improve Outcomes*

**Session 10: Obesity, Metabolism, and Cancer**

**Moderator: Frederic Kaye, MD**

**Sara St. George, PhD (Sylvester)**

*Using the IDEAS Framework to Develop a Multigenerational Digital Lifestyle Intervention for Women Cancer Survivors and Their Families*

**Ryan Kolb, PhD (UF)**

*Obesity, Inflammation and Breast Cancer*

**Gina DeNicola, PhD (Moffitt)**

*Redox Regulation of Mitochondrial Metabolism*

12:10 - 12:15

5 min break

12:15 - 1:15

Parallel Sessions 11-12

[Session 11: Microbiome](#)

**Moderator: Anna Coghill, PhD, MPH**

**Sabita Roy, PhD (Sylvester)**

*Opioid Modulation of Gut Microbiome: Implications in Cancer Pain Management*

**Christian Jobin, PhD (UF)**

*Intestinal Microbiota Influences Anti-PD1 Responses in NSCLC Patients*

**Ryan Thomas, MD (UF)**

*Natural Killer Cells and the Microbiota: Regulators of Pancreatic Cancer Development*

[Session 12: AI in Cancer Research](#)

**Moderator: Jiang Bian, PhD**

**Jiang Bian, PhD (UF)**

*The Big Short with AI in Biomedical Sciences: From Prediction to Action*

**Issam El Naqa, PhD (Moffitt)**

*AI in Cancer Research: Potentials and Challenges*

**Raymond R. Balise, PhD (Sylvester)**

*Predicting Late Stage Breast Cancer with Traditional and Machine Learning Methods*

1:15 - 1:30

[Closing Remarks](#)

Stephen Nimer, MD [SCCC]

John Cleveland, PhD [Moffitt]

Jonathan Licht, MD [UF]