



12th Annual Research Retreat

Saturday, October 13th, 2018 | KPV-4153 | Department of Radiation Medicine

PLEASE ALLOW 8-10 MINUTES FOR EACH PRESENTATION

7:30 am | Breakfast is available by KPV-4153 Conference Room

7:40 am | Welcome from Charles Thomas Jr., M.D.

Medical Physics & Emerging Technology

7:45am-7:55am | James Tanyi, PhD

Out-of-field Dosimetry using a 3D-printed Patient-specific Anthropomorphic Phantom

Pre-Clinical and Basic Science

HS 7:55am-8:05am | Donald Sullivan, MD

Treatment Preferences and Decision Making Among Patients with Early Stage Lung Cancer

HS 8:05am-8:15am | Sara Golden, MPH

An Overview of Patient Centered Outcomes Among Individuals Treated for Early Stage Lung Cancer

8:15am-8:25am | Andrei Pugachev, PhD

Imaging Tumor Microenvironment: Ex Vivo Approach

8:25am-8:35am | Hiroyuki Nakai, MD, PhD

Study of AAV Vectors by Virus DNA/RNA Barcoding

8:35am-8:45am | Prakash Ambady, MD

Silencing MGMT with Antisense Oligonucleotides in a Brain Tumor Model

8:45am-8:55am | Garth Tormoen, MD, PhD

Targeting Mertk to Enhance the in Vivo Response to Radiotherapy

8:55am-9:05am | Josh Walker, MD, PhD

The Role of T cell Receptor Affinity on the Induction of Functional Exhaustion

9:05am-9:15am | Cymon Kersch, MS

Transcriptional Signatures in Histologic Structures of Glioblastoma Tumors May Predict Personalized Treatment Sensitivity and Survival

9:15am-9:25am | Wassana Yantasee, PhD, MBA

Nanoparticle-based Radiation Sensitizer and Cancer Vaccination to Potentially Enhance Abscopal Effect of Radiotherapy

9:25am-9:40am | Group Photo | Break

Pre-Clinical and Basic Science

Continued...

9:40am-9:50am | [Allison DuRoss](#)

*Exploiting the Synergy of PARP and PI3K Inhibition
for Enhanced Chemo Radiotherapy*

HS 9:50am-10:00am | [Timur Mitin, MD, PhD](#)

*Prospective clinical study of impact of access to single-fraction
palliative radiation therapy on cancer patients enrolling in hospice*

10:00am-10:10am | [Shushan Rana, MD](#)

*miR-15a regulation of endothelial radiation-induced
inflammatory cell death*

Clinical and Translational

10:10am-10:20am | [Chris Deig, MD](#)

*In Vitro Cell-Free DNA Quantification: A Novel Method
to Accurately Quantify Cell Survival After Irradiation*

10:20am-10:30am | [Ramon Barajas, MD](#)

*Delayed Ferumoxytol to Gadolinium Enhancement Mismatch
Ratio Defines Glioblastoma Pseudo-progression*

10:30am-10:40am | [Erik Mittra, MD, PhD, CCD](#)

Theranostics Update

10:40am-10:50am | [Hans Kim, MD](#)

*Radiation is the Key to Tackle the Metabolic Aspect of Cancer:
Introducing Combined Radiation with Metabolic Therapy by Tackling the Warburg Effect*

10:50am-11:00am | [Mara Rosenberg](#)

*Identification of Genomic Markers for Drug Sensitivity
to Midostaurin for Patients with Acute Myeloid Leukemia*

11:00am-11:10am | [Tafadzwa Chaunzwa](#)

*Identifying Non-invasive Imaging Biomarkers
in Lung Cancer Using Artificial Intelligence*

11:10am-11:20am | [Brandon Dyer, MD](#)

*Improving Quality & Outcomes: MRI-to-CT Deformable
Image Registration for HDR Brachytherapy Treatment
of Locally Advanced Cervical Cancer*

11:20am-11:40am | Break, Lunch is Served

11:40am-12:00pm | [Ramtin Rahmani](#)

*1. Adherence & Reasons for Non-Adherence to a Tri Modality
in the Treatment of Esophageal Cancer*

*2. Combination Therapy- Trans-arterial Chemoembolization (TACE) With Stereotactic Body Radiation Therapy
or Percutaneous Thermal Ablation for Hepatocellular Carcinoma: Which Treatment Strategy is Best?*

12:10pm-12:20pm | [Aaron Grossberg, MD, PhD](#)

*Transforming Growth Factor beta: a Molecular Link
between the Effectiveness and Toxicity of Radiotherapy*

Health Services Research

12:20pm-12:30pm | Tambre Leighn, MA, PCC, CPDS, ELI-MP *The Value Proposition of Patient Advocates
in Cancer Care*

12:30pm-12:40pm | Mary Medysky *Exercising Together During Radiation Treatment
for Prostate Cancer: a Pilot Study*

12:40pm-12:50pm | Blair Murphy, MD *Costly Sedation: The Impact of Daily Anesthesia for Pediatric
Patients adds up to More Than Just Dollars and Cents*

12:50 pm | Adjourn