



13th Annual Research Retreat

**Saturday, October 12th, 2019 | KCRB-1011 | Department of Radiation Medicine
Knight Cancer Research Building, 2720 SW Moody Ave, Portland, OR 97201**

PLEASE ALLOW 8-10 MINUTES FOR EACH PRESENTATION

7:20 am | Breakfast is available adjacent to the KCRB-1011 conference room

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

7:45am-7:55am | **Yiyi Chen, PhD** Statistical Methods and Considerations for Radiation Oncology Studies --- A General Discussion

Medical Physics & Emerging Technology

8:00am-8:10am | **Austin Turnidge** Improving IMRT QA Methods to Better Catch Clinically Relevant Discrepancies Between Planned and Delivered Doses

8:13am-8:23am | **Lam Duc** Validation of radiochromic film for out-of-field dosimetry

8:26am-8:36am | **Amanda Swanson, BA** Assessment of Accuracy of Out-of-Field Dosimetry for Pediatric Photon and Proton Treatments Using Solid Water, 3d-Printed, and Anthropomorphic Phantoms

Pre-Clinical & Basic Science

8:39am-8:49am | **Conroy Sun, PhD** Engineering Nanomaterials for Molecular Imaging and Theranostics

8:52am-9:02am | **Ramon Barajas, MD** Delayed Ferumoxytol Iron Oxide Enhanced Magnetic Resonance Imaging in a Pre-Clinical Rat Model Assesses Glioblastoma Therapy Mediated Inflammation

Clinical and Translational

9:05am-9:15am | **Blair Murphy, MD** Pediatric Radiotherapy Projects

9:18am-9:28am | **Aaron Grossberg, MD, PhD** Impaired Adaptive Metabolism in Pancreatic Cancer Cachexia

9:31am-9:46am | **Group Photo | Break**

Health Services Research

9:49am-9:59am | Timur Mitin, MD, PhD Management of Muscle-Invasive Bladder Cancer with Bladder Preservation in Russia: A Survey-Based Analysis of Current Practice and the Impact of an Educational Workshop on Clinical Expertise.

Clinical and Translational (cont'd)

10:02am-10:12am | Brandon Dyer, MD Image Guidance Solution for Gynecologic Malignancies: Beyond MRI Molecular Imaging and Theranostics

10:02am-10:12am | Chris Deig, MD Patient and Tumor-Specific Multiplexed Circulating Tumor DNA Response to Multi-Modality Therapy for Esophageal and Rectal Cancer: Preliminary Results of a Pilot Study

10:15am-10:25am | Eric Mittra, MD, PhD Biology-guided Radiotherapy Tools Developed by Reflexion

10:28am-10:38am | Hans Kim, MD Combined Metabolic Therapy with Radiation: Taking Advantage of the Warburg Effect

10:41am-10:51am | Khang Dinh, MD Rectal Hydrogel Spacer for Proton Beam Radiation Therapy in Localized Prostate Cancer

10:54am-11:04am | Reid Thompson, MD, PhD Urinary ctDNA as a biomarker for bladder cancer recurrence

11:07am-11:17am | Vonetta Williams, MD, PhD Use of MR to CT Deformable Image Registration to Improve HR CTV Delineation and Brachy Therapy Implant Quality for Cancer Patients Undergoing Radiation Therapy

Health Services Research (cont'd)

11:20am-11:30pm | Cyrus Washington, BS, MMSc . Representation Trends of Underrepresented Minority Physicians in the US Radiation Oncology Workforce

11:33am-11:43am | Kristi Tanning, MS, RT(T) A Randomized Controlled Trial to Assess the Effectiveness of Virtual Reality in Education for Cancer Patients Undergoing Radiation Therapy

11:46am-11:56am | Rohi Gheewala, MD.....RADIANS (RADIation oncology And NeuroSurgery): A Novel Multidisciplinary Radiation Oncology and Neurosurgery Central Nervous System Clinic Model

11:59am-12:09pm | Wendy McGinnis, MD, MCR Opportunities and Barriers to Use of Automated Treatment Planning Tools in Low- and Middle-Income Countries (with focus on working on automated treatment planning system in Botswana)

12:12pm – 12:30pm | **Break, Lunch is Served**