### 13th Annual Research Retreat

**Points of Contact:** EsDavid | 503-494-6455  
Charles Thomas | cell: 210-860-9413

---

**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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:20 am</td>
<td>Breakfast is available adjacent to the KCRB-1011 conference room</td>
</tr>
<tr>
<td>7:40 am</td>
<td>Welcome from Charles Thomas Jr., MD</td>
</tr>
</tbody>
</table>

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

#### Medical Physics & Emerging Technology

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 8:39am-8:49am | Conroy Sun, PhD  
Engineering Nanomaterials for Molecular Imaging and Theraonostics |
| 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 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 |

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 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 Tonning, 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**