

# Stanford Symposium on Contemporary Topics in Radiation Oncology

**Date:** Sept. 29-30, 2017

**Place:** [Arrillaga Alumni Center](#)  
[326 Galvez Street](#)  
[Stanford University](#)  
[Stanford, CA 94305](#)

*The following agenda is tentative and may subject to change.*

## **Day 1: Sept. 29, 2017**

8:00 am Registration

8:30-8:45 Introductory Remarks: Quynh Le, M.D.

### **Immunotherapy + RT (Moderators: Beth Kidd, Lynn Million & Susan Knox)**

8:45-9:30 Cancer biology aspects of immunotherapy and radiation therapy, Chandon Guha, Albert Einstein College of Medicine

9:30-10:00 Update of immunotherapy trial for melanoma. Susan Knox, M.D., Stanford University (TBC)

10:00-10:30 Abscopal response and immunotherapy, Mansoor Ahmed, PhD., National Cancer Institute

10:30-10:45 Coffee Break

### **Image-Guided RT and Radiomics (Moderators: Mark Buyyounouski, & Ruijiang Li)**

10:45-11:30pm ViewRay MR LINAC and its clinical implications, Daniel Low, UCLA

11:30-12:15pm Quantitative imaging and radiomics, Daniel Rubin, MD/PhD, Stanford University

12:15-12:45pm Applications of radiomics in radiation oncology, Ruijiang Li, PhD, Stanford University

12:45-1:30pm Lunch break

### **Lung and CNS SBRT/SRS (Moderators: Beth Beadle, Susan Hiniker & Scott Soltys)**

1:30-2:15 SBRT for lung cancer, Bill Loo/Michael Geinsheimer (TBC), MD, Stanford University

2:15-2:45 Gating and fluoroscopic verification and beam level imaging in LINAC- and CK-based SBRT/SRS, Karl Bush/Peter Maxim/Lei Wang (TBC), PhD, Stanford University

2:45-3:15 Emerging SRS indications for brain tumors, Scott Soltys, MD, Stanford University

3:15-3:30 **Case Presentations (Residents and Panel)**

3:30-3:45 Coffee Break

### **Pancreas and Liver SBRT (Moderators: Patrick Swift, Pitor Dubrowski & Kate Horst)**

3:45-4:15 Liver and Pancreatic SBRT, Dan Chang, MD, Stanford University

4:15-5:00 Clinical implementation and QA of Linac- and Cyber Knife-Based SBRT/SRS, Yong Yang/Nataliya Kavachuk/Lei Wang (TBC), PhD, Stanford University

5:00-5:30 Radiomics and GI cancers, Eugene Koay, MD Anderson

5:30-5:45 **Case Presentations (Residents and Panel)**

5:45 adjourn

## **Day 2: Sept. 30, 2017**

08:30am Tour of Stanford Radiation Oncology Department – **Annie Hsu and Amy Yu** (coordinators)  
Demonstration of Gated RapidArc, real-time kV imaging during dose delivery, CBCT/OBI auto-patient positioning, SBRT QA, MRI sim, planning and 4D PET/CT image acquisition (TrueBeam & GE/Siemens CT/MRI Scanners), CyberKnife. --- Annie Hsu, Amy Yu, Karl Bush, Lei Wang, Bin Han, Dimitre Hristov, Thomas Niedermeyer, David Yang, & Nataliya Kovalchuk, Ben Fahimian, Tony Lo and Tony Ho, physics residents.

### **Immunotherapy and use of MRI in RT (Moderator: Thomas Niedermeyer & Annie Hsu)**

10:45-11:30am Immunotherapy and radiation therapy: promises and challenges, Andy Min, M.D.,  
University of Pennsylvania  
11:30-12:00pm Elekta Solution of MR LINAC, **TBN**, MD Anderson  
12:00-12:30pm MR simulation for external beam radiation therapy, Dimitre Hristov, Stanford  
University

12:30-1:30pm Lunch

### **Hadron/proton and emerging RT modalities (Moderator: Bin Han & Wendy Hara)**

1:30-2:15pm Clinical perspectives of hadron therapy, Jiade Lu, MD, Shanghai hadron therapy  
Center  
2:15-3:00pm Proton therapy of head and neck cancer. Steven Frank (TBC), MD, MD Anderson  
3:00-3:30pm Proton Pencil Beam Scanning: Advantages and Challenges in the Clinic, Sara St. James  
(TBC), PhD, University of Washington  
3:00-3:15 Coffee Break

### **Emerging technologies (Moderator: Edwards Graves & Lei Wang)**

3:45-4:30 Incorporation of Circulating Tumor DNA as a Biomarker to Guide Treatment  
Decisions in Radiation Oncology, Max Diehn (TBC), MD, Stanford University  
4:30-5:00 Recent Advances in Dose Delivery Systems for Non-Coplanar & Extended-Volume  
Treatments, Ben Fahimian, PhD, Stanford University  
5:00-5:30pm Molecular imaging and its implications to radiation oncology, Guillem Pratx (TBC),  
PhD, Stanford University  
5:30-6:00 Machine learning and artificial intelligence in imaging and radiation oncology, Lei  
Xing, PhD, Stanford University  
6:00-6:15 Closing remarks, Albert Koong, M.D./Ph.D, Stanford University/MD Anderson  
Cancer center/  
6:15pm adjourn

#### Contact information

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