

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 Immunotherapy and radiation therapy: promises and challenges, Andy Min, M.D., University of Pennsylvania

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, Masoor Ahmad, PhD., National Cancer Institute

10:30-11:00 Cancer biology aspects of immunotherapy and radiation therapy, Chandon Guha, Albert Einstein College of Medicine

11:00-11:15 Coffee Break

Radiomics and quantitative imaging (Moderators: Mark Buyyounouski, & Ruijiang Li)

11:15-12:00pm Quantitative imaging and radiomics, Daniel Rubin, MD/PhD, Stanford University

12:00-12:30pm Applications of radiomics in radiation oncology, Ruijiang Li, PhD, Stanford University

12:30-1:30pm Lunch break

Lung and CNS SBRT/SRS (Moderators: Beth Beatle, 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 for Gated Lung SBRT, Karl Bush/Peter Maxim (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 Horse)

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

4:15-4:45 Clinical implementation and QA of Linac-Based SBRT/SRS, Yong Yang/Nataliya Kavachuk (TBC), PhD, Stanford University

4:45-5:15 Radiomics and GI cancers, Eugene Koay, MD Anderson

5:15-5:30 **Case Presentations (Residents and Panel)**

5:30 adjourn

Day 2: Sept. 30, 2017

08:30pm 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.

MRI Guidance (Moderator: Thomas Niedermeyer & Annie Hsu)

10:45-11:30am ViewRay MR LINAC and its clinical implications, Daniel Low, UCLA
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 New progresses in dose delivery system and its applications in TBI/TSI, 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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<http://med.stanford.edu/xinglab/news/stanford-symposium-on-contemporary-topics-in-radiation-oncology.html>

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