Date: Friday, January 10, 2020  
Start and End Time: 8:00 am – 10:00 am  
Chair: Jeff Michalski, MD  
Co-Chairs: Ivy Petersen, MD and Evan Wuthrick, MD

WORKSHOP AGENDA

8:00 – 8:02 Welcome / Introduction  
Jeff Michalski, MD

8:02 – 8:35 Symposium Theme “Artificial Intelligence and Machine Learning in Radiation Oncology”  
Evan Wuthrick, MD (Chair of Symposium)

AI and machine learning are changing our approach to medicine and the future of healthcare.

AI Application in Clinical Trials

Ying Xiao, PhD - Artificial Intelligence in Cooperative Group clinic trials

Julian Hong, MD - Current use of artificial intelligence in the Radiation Oncology Clinical Realm

Issam El-Naqa, PhD – The future of Artificial Intelligence in Radiation therapy research and planning

8:35 – 8:50 Update on NCTN Cooperative Cores

a. Imaging and Radiation Oncology Core (IROC) RT Update  
David Followill, PhD

b. Imaging and Radiation Oncology Core (IROC) Imaging Update  
Michael Boss, PhD

8:50 – 8:55 Overview of Medical Physics  
Stan Benedict, PhD

8:55 – 9:55 Disease Site Liaisons Reports

a. H&N (8 min.)  
Sue Yom, MD / Min Yao, MD

b. Brain (8min.)  
Christina Tsien, MD / Tong Wang, MD

c. Breast (8 min.)  
Steven Chmura, MD / Simona Shaitelman, MD

d. Gyn (8 min.)  
Sushil Beriwal, MD / Mark Bernard, MD

e. GI (8 min.)  
Evan Wuthrick, MD / Emma Holliday, MD

f. GU (8 min.)  
Dan Krauss, MD / Hiram Gay, MD

g. Lung (8 min.)  
Charles Simone, MD / Greg Videtic, MD

h. Sarcoma (4 min.)  
Philip Wong, MD / Dian Wang, MD

9:55 – 10:00 Other Business / Q & A Discussion