Immunology, Immunotherapy and Radiation Oncology Symposia

Wednesday, April 1, 2020

Grand Hyatt, Washington DC

Room: Penn Quarter A/B

Co-hosted by the Immuno-Radiotherapy Working Group of Immuno-Oncology Translational Network, Cancer Moonshot Initiatives of National Cancer Institute and the Radiosurgery Society®

Target Audience: Residents, fellows, early career faculty in clinical specialties, radiation oncologists, medical oncologists, immunotherapy experts, cancer biology and medical physics.

Symposium Objectives:

- To enhance the knowledge of the latest information regarding basic science and clinical applications in immunology and immunotherapy.
- To evaluate the latest basic science, clinical research and clinical practices for combination immunotherapy and stereotactic radiosurgery/stereotactic body radiotherapy in the treatment management of cancer patients.
- Bring together a community of immunologists and radiation oncologists treating cancer patients to share knowledge and information.
- Develop skills to write combined modality trials for immunotherapy and stereotactic body radiation therapy for the treatment of cancer and generate ideas to compete for external funding.

Program Director:

Iris Gibbs, MD, FASTRO, Professor, Department of Radiation Oncology, Stanford University, Palo Alto, CA

Organizing Committee:

Mansoor M. Ahmed, PhD, National Institute of Health/National Cancer Institute, Program Director Radiotherapy Development Branch, Bethesda, MD

Silvia C. Formenti, MD, FASTRO, Professor and Chairman of Radiation Oncology, Associate Director, Meyer Cancer Center, New York Presbyterian Hospital, Weill Cornell Medical Center, New York, NY

Chandan Guha, MBBS, PhD, Professor and Vice Chair, Department of Radiation Oncology, Director of Translational Research, Director, Institute for Onco-Physics, Montefiore Medical Center, Bronx, NY

Shalom Kalnicki, MD, FASTRO, FACRO, Chairman, Department of Radiation Oncology, Montefiore Medical Center and Albert Einstein University, Bronx, NY

Jing Li, MD, PhD, Associate Professor, Department of Radiation Oncology, Chief Ad Interim, CNS Pediatrics Section, Director of GammaKnife Radiosurgery, Co-Director Brain Metastases Clinic, The University of Texas MD Anderson Cancer Center, Houston, TX
Betsy Repasky, PhD, Professor of Oncology, Department of Immunology, Dr. William Huebsch Professorship in Immunology, Co-Leader, Cell Stress and Biophysical Therapies, Roswell Park Comprehensive Cancer Center, Buffalo, NY

Connie Sommers, PhD, National Institute of Health/National Cancer Institute, Program Director ImmunoOncology Branch, Bethesda, MD

Program Description:
8:00 - 10:30 am Immunotherapy Primer and Latest Developments
8:00 – 8:30 Immunology and Immunotherapy Primer
Elizabeth Betsy Repasky, PhD, Professor of Oncology, Department of Immunology, Roswell Park Comprehensive Cancer Center, Buffalo, NY
8:30 – 9:00 Tumor Micro-environment and Changes
Michael Lim, MD, Department of Neurosurgery, Johns Hopkins University, Baltimore, MD
9:00 – 9:30 Abscopal Effects of Immunotherapy
Silvia C. Formenti, MD, FASTRO, Chairman of Radiation Oncology, New York Presbyterian Hospital, Weill Cornell Medical Center, New York, NY
9:30 – 10:00 Understanding CAR-T Cells
Terry Fry, MD, University of Colorado Anschutz Medical Campus/Children’s Hospital Colorado, Denver, CO
10:00 – 10:30 Question/Answer Session

10:30 am-12:30 pm Radiobiology of Stereotactic Radiosurgery and Stereotactic Body Radiotherapy
10:30 – 11:00 Hypofractionation, Radiobiology of Single vs Multi-Fractionation
Silvia C. Formenti, MD, FASTRO, Chairman of Radiation Oncology, New York Presbyterian Hospital, Weill Cornell Medical Center, New York, NY
11:00 – 11:30 Biologic Effective Dose: Novel Concepts of Normal Tissue Tolerance
Amato Giaccia, PhD Professor of Radiation Oncology, Oxford University, UK
11:30 – 12:00 Radiation Effects on Tumor Micro-environment
Chandan Guha, MBBS, PhD, Professor and Vice Chair, Department of Radiation Oncology, Montefiore Medical Center, Bronx, NY
12:00 – 12:30 Question and Answer Session

12:30 – 1:30 pm Lunch

1:30 – 4:00 pm Combining Immunotherapy and SRS/SBRT for the Treatment of Cancer
1:30 – 2:00 Combination Immunotherapy and SRS for Treating Brain Metastases
Jing Li, MD, PhD, Associate Professor, Department of Radiation Oncology, The University of Texas MD Anderson Cancer Center, Houston, TX
2:00 – 2:30 Combination Immunotherapy and SBRT for Lung Cancer
Nitin Ohri, MD, Associate Professor, Department of Radiation Oncology, Montefiore Medical Center, Bronx, NY
2:30 – 3:00 Combination Immunotherapy and SBRT for Metastatic Melanoma
3:00 – 3:30 Question and Answer Session

3:30 – 4:00 pm Afternoon Break

4:00 – 5:30 pm Multi-modality Trials and Grant Writing Primer
   4:00 – 4:30 Immunotherapy Trial Concept Writing
   Elad Sharon, MD, MPH, Investigational Drug Branch, National Institute of Health, Bethesda, MD
   4:30 – 5:00 Radiation Combined Modality Trial
   Jeffrey Buchsbaum, MD, PhD, Radiation Research Program, Clinical Radiation Oncology Branch, National Institute of Health, Bethesda, MD
   5:00 – 5:30 Review Considerations in Grant Writing
   Syed Quadri, PhD, Chief Oncology Translation and Clinical IRG, National Institutes of Health, Bethesda, MD

5:30 pm Closing Remarks – Iris Gibbs, MD, FASTRO, Professor, Department of Radiation Oncology, Stanford University, Palo Alto, CA

5:45 pm Meeting Adjourns