



RAMPS

Radiological and Medical Physics Society of New York,
Inc.

Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY 10065
(212) 639 - 7388

2018 Sal Vacirca Young Investigator Symposium

May 16th, 2018 – 6:00-9:30 PM

Memorial Sloan-Kettering Cancer Center – ZRC-105

Program

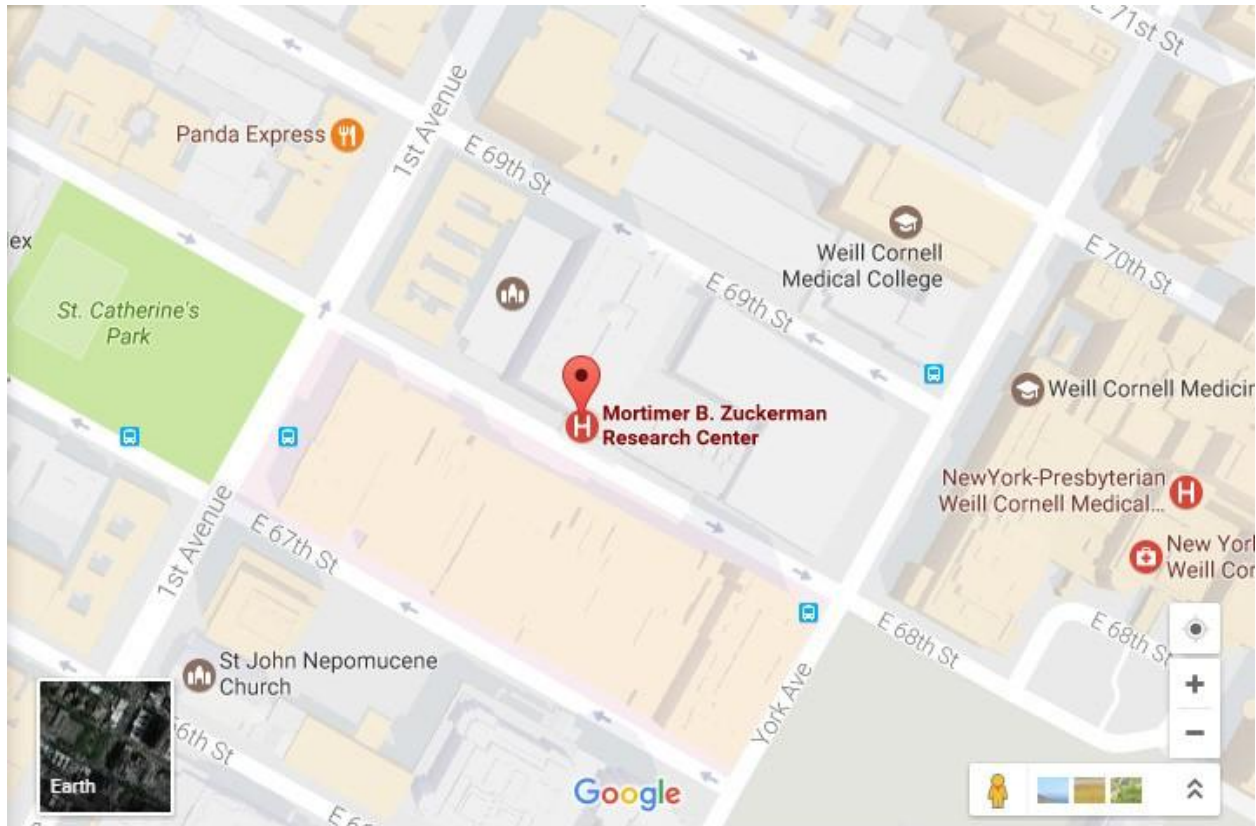
- 6:00-6:30 Reception. Refreshments will be served.
- 6:30-6:42 MRI based Treatment Planning of Spinal Stereotactic Radiation Therapy
Presenter: Jose Teruel, NYU
- 6:42-6:54 Validation of Inhomogeneity Correction in Small Field
Presenter: Lei Hu, NYU
- 6:54-7:06 Simultaneous MLC and Couch Tracking: A Clinical Feasibility Study
Presenter: Lei Zhang, MSKCC
- 7:06-7:18 Feasibility of Real Time Monitoring of Matched Radiation Field Spacing Using Cherenkov Imaging
Presenter: Paul Black, Columbia University
- 7:18-7:30 Conditional Generative Adversarial Networks (cGANs) for Magnetic Resonance (MR) Based Synthetic Computed Tomography (sCT) Images in Head and Neck Dose Calculations
Presenter: Peter Klages, MSKCC
- 7:30-7:42 Interactive refinement of Head and Neck structures using Multi-Atlas based probabilistic segmentation maps
Presenter: Rabia Haq, MSKCC
- 7:42-7:54 Validation and application of a fast Monte Carlo algorithm for assessing the clinical impact of approximations in analytical dose calculations for proton therapy
Presenter: Sheng Huang, MSKCC
- 7:54-8:06 Introduction of a novel hybrid deformable image registration to enhance low-contrast tissue alignment in time-resolved 4DMRI reconstruction.
Presenter: Xingyu Nie, MSKCC

8:06-8:18 Investigation of 3D Gamma Analysis for Small Field Treatments
Presenter: Yi-Fang Wang, Columbia University

8:18-9:30 Reception – Cyber Café

RAMPS Board Meeting: 5:00-6:00PM, MSKCC: Classroom S1132 (Schwartz Building). All members are welcome to attend.

Getting There



By Subway

- Take the #6 train to East 68th Street. Walk four blocks east to First Avenue, or take the M66 bus eastbound to York Avenue.

By Bus

- Take the M31 to the East 67th Street stop, directly in front of Memorial Hospital. (The M31 operates north and south on York Avenue, and across town on 57th Street.)
- Take M15 north bound to First Avenue and 67 Street stop.
- Take M15 south bound to Second Avenue and 68 Street. Walk two blocks east to York Avenue.

By Car

- Approaching from South of East 68th Street, take the FDR Drive northbound to the 61st Street exit. Make right onto York Avenue.
- Approaching from North of East 68th Street, take the FDR Drive southbound to the 71st Street exit. Make left onto York Avenue.

This meeting has applied to CAMPEP for approval of 1.8 MPCEC hours