MEETING ANNOUNCEMENT
SAL VACIRCA YOUNG INVESTIGATORS SYMPOSIUM
Hoffman Auditorium (C-186), Memorial Sloan-Kettering Cancer Center, 1275 York Ave, New York, NY
Tuesday, March 27, 2012
Coffee and Cookies at 6:00 PM
Presentations: 6:30 PM – 8:00 PM
(10 minutes per presentation: 8+2)

SPEAKERS:

1. Bertrand Biritz, Ph.D. - Cornell
   Dose planning with $^{106}$Ru eye plaques

2. Oleksandr Dzyubak, Ph.D. - MSKCC
   Comparative evaluation of respiratory motion-corrected cone-beam CT images derived from treatment-day vs. simulation-day respiration-correlated CT scans

3. Louise Fanchon, M.Sc. - MSKCC
   Treatment room activation after 15MV single fraction radiation treatment delivered using a Varian True Beam linear accelerator

4. Russell Kincaid, Ph.D. - MSKCC
   Investigation of gated cone-beam CT to reduce respiratory motion blurring

5. Rajesh Regmi, Ph.D. - MSKCC
   Tracking implanted fiducials using Kilovoltage (kV) projection images: A feasibility study

6. Ziad Saleh, Ph.D. - MSKCC
   A Novel Method for Evaluating Organ Sub-Volume Sensitivity to Irradiation by Deforming 3D Dose Distributions of a Patient Cohort onto an Arbitrarily-Selected “Reference Patient”

7. Ming Yan, Ph.D. - MSKCC
   Measuring uncertainty in dose delivered to the cochlea due to setup error during external beam treatment of patients with cancer of the head & neck

8. Ping Yan, Ph.D. - Columbia
   Ultrasound-based Diaphragm Tracking Mitigates Respiratory Phase Variance by External Surrogate-based Respiratory Gating System

9. Lili Zhou, Ph.D. - Cornell
   Fast Iterative Cone Beam CT Reconstruction on GPGPU using OpenCL

Educational Objectives: Attendees will learn about the following topics in clinical medical physics:

1. $^{106}$Ru eye plaques dose planning
2. Respiratory motion-corrected CBCT.
3. Linac vault activation from a high dose single fraction treatment with 15MV-X.
4. Feasibility of gated CBCT.
5. Tracking implanted fiducials using kV images during treatment.
7. Uncertainty in dose delivery for H&N patients due to setup error.

RAMPS Board Meeting: 5-6PM, MSKCC: S-1132 (Schwartz Building) -- All members are welcome to attend.
Dinner at a nearby restaurant @ 8:30PM, $20 for everyone, free for the speakers.
Note: 1.5 MPCEC was applied to CAMPEP.
By Subway
Take the #6 train to East 68th Street. Walk four blocks east to First Avenue, or take the M66 bus eastbound to First 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 one block east to First 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 and go north to 68th Street.
• Approaching from North of East 68th Street, take the FDR Drive southbound to the 71st Street exit. Make left onto York Avenue and go south to 68th Street.