Southwest Chapter Spring 2010 Meeting
American Association of Physicists in Medicine

Louisiana State University
Cook Conference Center & Hotel, Baton Rouge, LA
March 5-6, 2010

CALL FOR YOUNG INVESTIGATORS SYMPOSIUM

Purpose: The Young Investigator's Symposium (YIS), on Friday morning, March 5 is aimed at giving our young investigators opportunity to share their interesting research and projects with SWAAPM medical physicists. Our chapter has a rich tradition in education and research, and the YIS is a high-quality competition of our future medical physicists.

Eligibility: Young investigators, who at the time of the meeting are either a medical physics graduate student, resident, or postdoctoral fellow at an institution within the SWAAPM chapter, are eligible.

Competition: The YIS Symposium will have approximately 10 presentations selected from those submitted. Each presentation will be no longer than 8 minutes; there will be 1 minute allowed for questions and answers between presentations. Presentations will be judged by a panel of senior medical physicists, and the top four oral presentations will be announced and recognized with an award at Friday evening's Awards Dinner. All participants in the YIS are expected to be in attendance for both days of the meeting and at the Friday evening Awards Dinner.

Submission Process: Each young investigator is limited to one submission as presenting author. Please send submissions to Salahuddin Ahmad, PhD by email. The submission should include the young investigator's name, coauthors, institution(s), program name, program director, mentor or supervisor, title of paper, and abstract (not to exceed 100 words). See example below.

- The **deadline** for submission is **Friday, February 5, 2010.**
- The young investigator will be notified of the submission's status by **Friday, February 19, 2010.**

Please send YIS submissions to:

Salahuddin Ahmad, PhD
Chair of Session I: Young Investigators Symposium
Email: salahuddin-ahmad@ouhsc.edu
Cc: hogstrom@lsu.edu
Phone: 405-271-5641 Ext: 37833

Example Submission (Young Investigators Symposium)

Presenter: Michael Ashenafi[2]
Coauthor(s): Robert Boyd[1], Kenneth Hogstrom[1,2], and Kenneth Lo[1]
Institution(s): [1]Mary Bird Perkins Cancer Center and [2]Louisiana State University
Program/Director: LSU MS in Medical Physics and Health Physics/ Kenneth Hogstrom
Mentor: Robert Boyd
Title: Comparison of TomoTherapy with Conventional Electron/X-Ray Treatment Plans for Chest Wall
Abstract (≤100 words): The TomoTherapy helical, fan-beam delivery system, along with the inverse-planning optimizer, provides for efficient planning and delivery of 6 MV x-rays to superficial target volumes conventionally treated with combined electron and x-ray beams. In this study, five chest wall patients were planned for TomoTherapy and compared to their conventional plan. Target dose homogeneity in the TomoTherapy plan was relaxed to better achieve critical structure dose objectives when necessary, and excessive dose to normal tissue was reduced with contoured blocking structures. For all cases, the TomoTherapy plan was rated more favorably than the conventional plan by the physician.

Conflict of Interest: Please declare any funding source or other relationship that is a conflict of interest or has the potential for conflict of interest.