

Highlights of the Scientific Program - Therapy

The therapy program in Montreal is filled with outstanding oral and poster presentations.

Symposia

This year, the symposia bring experts in areas of medicine that represent developing opportunities in medical physics. The first of these is the application of gene therapy. Medical physicists may be able to play a key role in the development and understanding of the mechanism and modeling for gene therapy, especially in combination with radiation. Second, basics and applications of molecular imaging will be presented, allowing the medical physicists to appreciate the technology, and understand its applications in treatment. The final symposium revisits the critical issue of hitting the target in precision radiation therapy. High technology implies the ability to increase dose and minimize risk. This symposium reminds us that delivering therapy exactly as intended can be complex and confusing. In addition, the CCPM will be holding two symposia on gel-dosimetry and image-guided therapy.

Refreshers and Continuing Education

The educational courses in the morning slots cover the latest techniques, task groups and technologies. In addition, there is an introductory tumor biology course, a comparison of forward and inverse treatment planning, and 4-part courses on IMRT, treatment delivery systems and imaging in radiation oncology. Finally, two separate discussions representing funding opportunities and direction from the NCI and the NSF will be presented.

Scientific Sessions

Two hundred and forty oral presentations are organized into 22 sessions. Six of these are dedicated to IMRT. The other sessions include imaging, external beam planning and delivery, Monte Carlo, brachytherapy and special procedures. Over 350 posters will be displayed during the poster sessions on Sunday afternoon.

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