



Clinical and Experimental Radiobiology

This program provides a comprehensive overview of radiation biology with a particular emphasis on aspects of direct relevance to the practice of radiation oncology. It addresses the molecular and cellular responses to radiation-induced damage that influence cell death in both tumors and normal tissues. Quantitation of radiation effects and the underlying biological basis for fractionation of radiotherapy and dose-response relationships in the clinic are covered in depth. The biological basis for current approaches to improve radiotherapy will be described including novel fractionation schemes, retreatment issues, targeting hypoxia, biological modifiers and combined radiotherapy/chemotherapy.

Faculty

An expert group of faculty in radiation biology and radiation oncology will deliver lectures and answer questions over the course of 5 days. Faculty include:

Soren Bentzen

University of Wisconsin - Madison

Anthony Brade

Princess Margaret Hospital

Rob Bristow

Princess Margaret Hospital

Laura Dawson

Princess Margaret Hospital

Dick Hill

Princess Margaret Hospital

Dave Hodgson

Princess Margaret Hospital

Mike Joiner

Wayne State University

Marianne Koritzinsky

Princess Margaret Hospital

Stanley Liu

Odette Cancer Centre

Mike Milosevic

Princess Margaret Hospital

Gerard Morton

Odette Cancer Centre

Bert van der Kogel

Radboud University Nijmegen
University of Wisconsin - Madison

Shun Wong

Odette Cancer Centre

Brad Wouters

Princess Margaret Hospital

Target Group

The course is designed primarily to address the needs of radiation oncology residents and physics residents who are in radiation oncology departments. In addition, the course will be valuable to new researchers in radiation biology and to radiation oncology fellows or practicing oncologists who recognize a lack of basic science or want to update their knowledge.

Registration + Fees

Register online at www.UofT.me/radiobiology. A registration fee of \$250 CAD applies. We encourage you to register early as space is limited. Participants will receive University of Toronto CE credits. Please visit our web site for more information.

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