



Medical Physics Seminar



Monday, November 5th 2018

1345 HSLC ~ 4:00 P.M.



Helen B. Stone, PhD

Invited Guest of Larry DeWerd, PhD
Madison, WI

Radiation Injury: Protection, Mitigation, and Treatment, and the Challenges of Dosimetry for Radiation Biology

The goal of radiation protection is to reduce radiation damage to normal tissue. Shielding, field shaping, radioprotectants and decorporation of radioisotopes can reduce the initial damage. Mitigation and treatment, started after exposure, are being explored to reduce the development and expression of radiation injury in normal tissue.

Central to all experiments in radiation biology is the requirement for precise, accurate radiation dosimetry and reporting. These involve special challenges for radiation physicists because of the smaller scale of the subjects and different setups than those used for patients.

1345 Health Sciences Learning Center (HSLC) 4:00 - 5:00 P.M.