

 ST. OLAF PHYSICS DEPARTMENT

COLLOQUIUM SERIES

PHIGHTING CANCER WITH PHYSICS: THE ROLE OF A MEDICAL PHYSICIST IN RADIATION ONCOLOGY

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Clinical Medical Physicist
Mayo Clinic

Wednesday, March 8
3:00-4:00PM | RNS 210



Since the discovery of x-rays in 1895, radiation has invoked both awe and fear in the minds of the public. Today, we appreciate the innovative discoveries in chemistry and physics to enable the transformation of radiative interactions from a weapon of destruction into a tool of healing for many. In addition to summarizing the medical physicist's role, this session will introduce general photon beam delivery techniques, and will investigate implementation of knowledge-based planning model libraries as a way these techniques may be more consistent, efficient, and accurate.