



University
of Victoria

PHYSICS AND ASTRONOMY COLLOQUIUM (Online)

Dr. Emil Schueler
UT MD Anderson Cancer Center

**“Exploring the Clinical Implementation of FLASH RT:
Embracing Opportunities and Challenges”**

Abstract

“Cancer is a leading cause of death worldwide, and radiation therapy (RT) contributes to cancer cure for more patients than any single treatment modality. Yet, a key barrier undermining the potential for cure is short-term and long-term toxicity to normal tissues. FLASH RT (dose rates > 40 Gy/s) has recently been shown to have increased normal tissue sparing compared to the same dose delivered with conventionally used dose rates (~ 0.1 Gy/s), without reducing the tumor cure probability. In this presentation we will talk about the current status of the field and the roadblocks we face as we are moving this novel modality towards clinical implementation.”

Wednesday, March 20th, 2024

3:30 p.m. PST

BWC A104

Zoom link available on Uvic Event Calendar