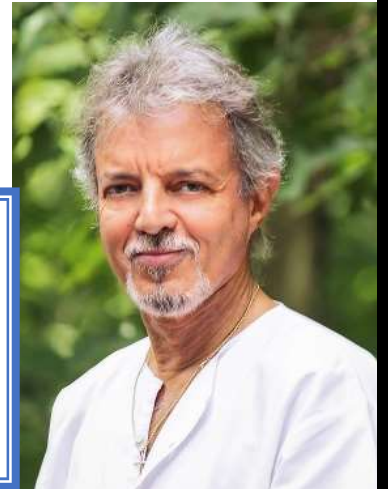




UNIVERSITY of MARYLAND  
RADIATION ONCOLOGY



**22<sup>nd</sup> Annual Dr. Karl L. Prado  
Physics & Radiobiology Review Course**  
*3-day live virtual event on:*  
**May 5, May 16 & 21, 2025**

Target audience includes radiation oncologists, radiation oncology medical residents, and medical physics residents preparing for board certification

*"One of the things I remember about Karl was his unequivocal focus on 'our patients' and on 'our team members/staff'."*

-William F. Regine, MD, FACR, FASTRO, FACRO, Department Chair

**Course Directors**



**Physics Director**

**Amit Sawant, PhD**  
Professor of Radiation Oncology  
Vice Chair for Medical Physics  
Department of Radiation Oncology  
University of Maryland School of Medicine



**Radiobiology Director**

**France Carrier, PhD**  
Professor of Radiation Oncology  
Director of Division of Translational Radiation Sciences  
Department of Radiation Oncology  
University of Maryland School of Medicine

*One of his famous quotes was, "if you take care of the team, the team will take care of the patients."*

**Learning Objectives**

Upon completion of this activity participants should be able to describe and discuss:

- Current molecular and cellular biology and its impact on modern radiobiology
- Biological basis of current and upcoming treatment modalities
- Physical principles of radiation therapy, including planning and setup for external beam therapy, brachytherapy, and stereotactic radiosurgery
- Imaging application to radiation therapy, such as in treatment simulation and target definitions
- Methods of measurement of radiation quantity and quality, and the system of dose calculation
- Principles of radiation safety and radiation protection

**Registration is now open! [Register here.](#)**

**Dr. Karl L. Prado was one of our most memorable medical physics faculty teachers. Learn more about him & our fund benefiting trainee education, the [Dr. Karl L. Prado Endowment.](#)**



The recorded meetings will be shared with all registrants as WebEx meetings within 4 business days following each day of the course.

For more information, please contact course coordinator Jessica White at [jessica.white@umm.edu](mailto:jessica.white@umm.edu) or (410) 328-7618.