



IOP SEMINAR SERIES 2026

● *Exploring Ideas. Advancing Knowledge. Inspiring Discoveries.* ●



SPEAKER

Prof. Narayan Sahoo

Professor, UT MD Anderson Cancer
Center Houston, Texas



TITLE OF THE TALK: Application of Physics in Oncology



ABSTRACT

Radiation therapy is a great example of application of physics in oncology. The objective of radiation therapy is to deliver sufficient high dose to the target volume in the patient to achieve the maximum malignant cell kill while minimizing the dose both to the nearby organs at risk and to the normal tissue. Recent technological advances have provided many tools for highly conformal physical dose delivery. Functional image guided radiotherapy and possible enhancement of body's antitumor immunity with radiation has the potential to improve the tumor control probability. This talk will provide a review of the current state-of-the-art radiation therapy and will outline some of the future developments to enhance its efficacy.



DATE
24 August 2026
(Monday)
04.00 PM



VENUE
Lecture Hall
Block A,
Institute of Physics

**ALL ARE
WELCOME**

INSTITUTE OF PHYSICS, BHUBANESWAR