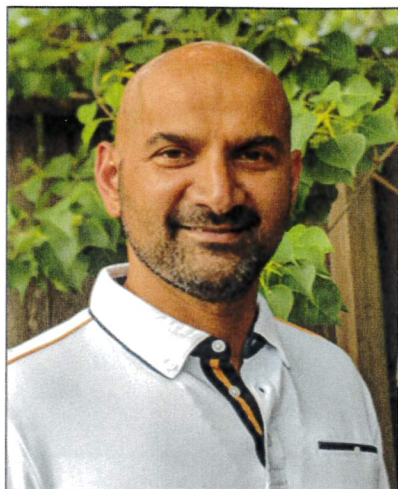


UNIVERSITY of HOUSTON | ENGINEERING

Department of Biomedical Engineering



S. Cheenu Kappadath, Ph.D.

Professor, Department of Imaging Physics
Director, Imaging Physics Cancer Network Program
UT MD Anderson Cancer Center, Houston, Texas

Date Friday, September 12, 2025

Time 12:00 to 1:00 PM

Location SEC 203

Title: *Clinical Nuclear Medicine Physics at MD Anderson*

Abstract: I will discuss clinical nuclear medicine physics activities at MD Anderson with focus on research projects and initiatives within my lab. A perspective on the role of physicists and biomedical engineers in modern healthcare industry will also be discussed.

Bio: Dr. Kappadath is a full professor of medical physics at MD Anderson Cancer Center. He is a board-certified and licensed medical physicist with specialties in Nuclear Medicine Physics and Diagnostic Radiologic Physics supporting clinical nuclear medicine and radiology at MD Anderson. Dr. Kappadath is particularly interested in the development and application of quantitative SPECT/CT & PET/CT imaging for the diagnosis and treatment of cancer. Towards this end, he has focused his research on (1) Dosimetry for 90Y-microsphere radioembolization therapies, (2) Theranostics, (3) Molecular Breast Imaging, and (4) Dosimetry. He has over 100 peer-reviewed publications and has served as PI on several research projects. He is actively involved in a number of prospective clinical trials. He is a faculty member at The University of Texas Health Science Center Graduate School for Biomedical Sciences and serve as an advisor to medical physics graduate students. He is an active member of professional nuclear medicine and medical physics societies.