Big Data Training for Cancer Research

Special Lecture Series

The Impact of Big Data on Cancer Research & Treatment
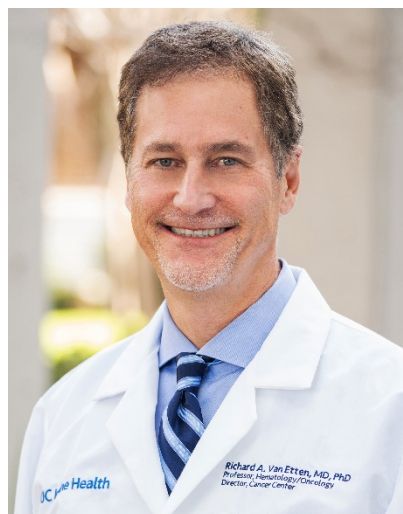
Dr. Richard A. Van Etten

July 17, 2025, 1:00 – 2:15 PM (PDT)

Sue Gross Auditorium, Susan & Henry Samueli College of Health Sciences

Speaker Bio: Richard Van Etten, M.D., Ph.D.
Professor of Medicine and Biological Chemistry
Director, Chao Family Comprehensive Cancer Center
Senior Associate Dean & Associate Vice Chancellor for Cancer
Chao Family Endowed Director's Chair in Cancer Research & Treatment
University of California, Irvine

Dr. Van Etten received an MD and a PhD in Biophysics from Stanford University School of Medicine. He was a faculty member at Harvard Medical School from 1998-2003, and subsequently at Tufts University School of Medicine where he served as Chief of the Division of Hematology/Oncology and Director of the Tufts Cancer Center. In 2013 he moved to UCI as the Director of UCI's NCI-designated Chao Family Comprehensive Cancer Center. Dr. Van Etten has authored over 150 scientific articles, reviews, and book chapters. He is board-certified in Internal Medicine and Hematology and active in clinical care and clinical research in blood cancer at UCI Health. He is a Fellow of the American College of Physicians and a member of the American Association for the Advancement of Science, the American Society of Hematology, and the American Society of Clinical Oncology.

Abstract: Cancer therapy has long benefitted from genomic data and the resulting so-called "personalized" or targeted therapies. However, the increasing amount of multifacted patient data and the impact of artificial intelligence has converged to potentially revolutionize cancer research and treatment in the future. In this presentation, Dr. Van Etten will summarize some of these areas with an emphasis both on opportunities and potential barriers to success.