

Fred M. Garland Memorial Lecture

The Department of Chemistry
Texas A&M University-Kingsville
Presents

The 37th Annual Garland Lecture in Chemistry
By Professor K. C. Nicolaou
Rice University

**"The Art and Science of Organic
Synthesis and Its Impact on
Science and Society"**

*Friday, February 24, 2017
3:30 p.m., Rangel College of
Pharmacy, Room 132*



In this lecture, a brief historical overview of organic synthesis and its impact on science and society will be followed by highlights of recent advances in total synthesis from the speaker's laboratories. Specifically, the total synthesis of natural and designed molecules of biological and medical importance will be presented, including Taxol[®], calicheamicin γ_1^I , viridicatumtoxin B, uncialamycin, and shishijimicin A. The lecture will also touch upon the impact of total synthesis on the advent of antibody drug conjugates (ADCs) for targeted cancer therapies.

