

You are cordially invited for a Special Lecture on
1) Tumor Virology on 10th January 2018
2) Oncogene Discovery on 11th January 2018

At 9:30 AM

In Seminar Hall, School of Life Sciences

By

Prof. Ramareddy V. Guntaka

University of Tennessee Health Sciences Center



MAJOR DISCOVERIES OF GUNTAKA:

1. First group (with Bishop and Varmus) to show that retrovirus DNA replication occurs in the cytoplasm and then in the nucleus of infected cells.
2. First group (with Bishop and Varmus) to show accumulation of supercoiled DNA in the nuclei of retrovirus-infected cells.
3. First group (Shank, Bishop, Varmus; Taylor) to demonstrate the presence of Long Terminal Repeats (LTRs) at the ends of retroviral DNA.
4. First group (with Stehelin, Bishop, Varmus) to discover proto-oncogenes.
5. First one to clone an infectious Rous sarcoma virus DNA (Walter Gilbert' group sequenced this clone).
6. First to show methylation of provirus in nonpermissive cells.
7. Demonstrated formation of triplexes of Triplex-forming oligonucleotide with the collagen gene promoter (resulted in a patent assignment to Guntaka).
8. First group to sequence the Indian strain of Hepatitis C Virus.

**Interested students and scholars are
encouraged to attend**