Type	: Seminar
Date & Time	: September 5th, 11:30 am
Venue	: VCR, IET campus
Speaker	: Dr. S. Srivastava
Title	: “Interleukin-11 (IL-11) builds bypass blood vessels to treat diseases caused by artery blockage”

Abstract:

The circulatory system is made of vessels that transport nutrients and oxygen to billions of cells in our body. Blockage of these vessels can lead to severe vascular diseases. Collaterals are extremely narrow blood vessels that connect large arteries. Normally blood is primarily carried by arteries. However, in the event of a blockage in an artery, collaterals can form a bypass to restore blood supply. My studies identified interleukin-11(IL-11) as a molecule that causes enlargement and remodeling of collaterals thereby transforming them into large diameter effective bypass vessels in the event of artery blockage. In my talk, I will discuss the molecular mechanism of action of IL-11 and its implication as a therapy for patients with limb ischemia, stroke and heart attack.