

Title: Structural insights into GPCR- β -arrestin interaction and signaling

Abstract: Our research program is focused on understanding the structural and functional aspects of GPCR- β -arrestin interaction and signaling. My talk will be focused on our recent insights into the conserved mechanism of β -arrestin activation induced by receptor phosphorylation patterns as visualized using biochemical and structural approaches. In addition, my talk will also touch upon the structural differences between activated β -arrestin isoforms upon their interaction with GPCRs and intrinsically-biased Arrestin-Coupled Receptors (ACRs).