Swift and Fermi have propelled the study of GRB physics into an exciting new era. I will briefly introduce our recent works based on the keV to GeV GRB data from the two instruments. The key questions I will address are (1) What are the physical explanations of the GRB X-ray light afterglows? (2) What are the fundamental spectral components of GRBs and what are their physical origins? I will also show some recent surprising GRBs, which include a "double GRB", two "super-long" (up to 3 hours!) GRBs and a high-luminosity supernova GRB, and discuss their implications to the central engine of Gamma-Ray Bursts.

TIME: 4:00-4:50 pm, Thursday, November 8th, 2012

PLACE: Corcoran Hall 111, GWU
725 21st Street, N.W. (Between H and G Streets)
METRO STATION: GWU/FOGGY BOTTOM (BLUE & ORANGE LINES)