Our lives are threatened by complex diseases, many of which are untreatable. What make things even worse are the triplet epidemics (cancer, obesity, and diabetes) which are escalating in recent years. These threats urge novel concepts and theories, fostered by profound physical thinking, to touch the nature of these diseases. Here I propose a `holistic perspective' (multiple diseases are considered as qualitatively different but interconnected entities that bifurcate from normal), from which a deep understanding of these diseases can be developed by applying techniques from nonlinear dynamics. The global picture has provided insights into the evolutionary underpinning of the simultaneous epidemics of these diseases and into their therapeutic intervention.

TIME: 4:00-4:50 pm, Thursday, March 8th, 2012
(refreshments at 3:45 pm)
PLACE: 101 Corcoran Hall, GWU
725 21st Street, N.W. (Between G and H Streets)
METRO STATION: GWU/FOGGY BOTTOM (BLUE & ORANGE LINES)