What PCA and clustering reveal about human migration, breast cancer and longevity

The sequencing of genomes has created a new opportunity for physicists, chemists, mathematicians, statisticians, computer scientists and engineers to help make new discoveries in the biological sciences. In this talk, I will describe how two simple techniques, principal component analysis (PCA) and consensus ensemble clustering, give new insights into problems in population genetics, cancer and longevity.

Gyan Bhanot
Rutgers University

September 18, 2007 (Tuesday) at 3:30 pm (Refreshments at 3:15 pm)
SCI 107, Metcalf Science Center, Boston University
Call: Winna Somers (wsomers@bu.edu) (617)353-9320
Host: Prof. Bennett Goldberg