# R. O. M. E. C O L L O Q U I U M :

**Research Opportunities in Mathematical Evolution (R.O.M.E.) and the Program for Evolutionary Dynamics (PED) invite you to the second annual R.O.M.E. Colloquium, for a stimulating evening of education, discussion and feasting.**

**Date: Monday February 13th, 2006**
**Time: 4:00 – 6:00pm**
**Location: PED, One Brattle Square, 6th Floor**
(see map: http://www.ped.fas.harvard.edu/location/walking.html)

Evolution provides a mathematical language for expressing the ways in which a wide variety of systems change over time. R.O.M.E. is an initiative of PED that seeks to engage undergraduate and beginning graduate students in cutting-edge research on evolutionary phenomena and the mathematical principles that underlie them.

This year's colloquium will feature three presentations by past or current ROMEans:

**Goutham Seshadri, '06: The Cascade Voter Model**
**Andrew Laitman, '06: Neural Networks, Hypercomputation, and Sleepwalking Sets**
**Vivek Rudrapatna, '07: Phylogenetic Analysis of Protein Domain Evolution**

While the topics under discussion cut across many fields of inquiry, they are all united by the principles of mathematical evolution.

Opening remarks will be made by **Professor Martin A. Nowak**, Director of the Program for Evolutionary Dynamics, and **Erez Lieberman**, R.O.M.E. organizer and PhD candidate in Applied Physics. A Roman style feast will follow.

For further information, please contact Laura Abbott (labbott@fas.harvard.edu) or Erez Lieberman (elieberm@fas.harvard.edu). Also feel free to check out the PED website (http://www.ped.fas.harvard.edu) for more information about ongoing research in Evolutionary Dynamics.