

# Applied and Computational Mathematics and Statistics Colloquium

**Jeremy Gunawardena**

Harvard Medical School

Will give a lecture entitled:

*An Integrative Approach to Biological Complexity*

Monday, September 6, 2010

2:30 PM

Location: 202 Nieuwland Science Hall

\* Snacks at 2 PM in 202 Nieuwland \*

## Abstract:

Molecular networks show remarkable levels of complexity. Aside from the mere numbers of components, most proteins are dynamically post-translationally modified in different ways on multiple sites, creating an exponential increase in the accessible state space. This kind of complexity poses a major challenge to biological understanding. Dr. Gunawardena will discuss recent experimental and mathematical work that is laying a new foundation for dealing with this.