



# PHYSICS AND ASTRONOMY COLLOQUIUM

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## **"Towards Understanding Evolutionary Dynamics"**

### Abstract

The basic laws of evolution have been known for more than a century and there is overwhelming evidence for the facts of evolution. Yet little is understood quantitatively about the dynamical processes that drive evolution: by physicists' standards the theory of evolution is far from fully-fledged. Huge advances in DNA sequencing technology and laboratory experiments have enabled direct observations of evolution in action and, together with theoretical developments, opened up great opportunities for dramatically advancing our understanding. This talk will focus on framing questions and recent progress on addressing some of these.

Wednesday, November 29, 2017

2:30 p.m.

Elliott Building

Room 167