



Spring 2014 Joint Colloquium

Friday, April 11, 2014

4:00 PM, ESB, Room 1001

**The Materials Department
&
Materials Research Laboratory**

Proudly Welcome...

**NAKAMURA LECTURER
Dr. Ramin Golestanian**

Department of Physics
Oxford University

Active colloids as building blocks for active matter

ABSTRACT

There are many ways to study life, and one that is particularly appealing to us is regarding it as self-organized active soft matter that is away from equilibrium "just the right way". In this Colloquium, we will explore the possibility of how we can begin to put together simple systems - from basic ingredients that we fully understand - that would exhibit the kind of active behavior we observe in living systems. We will examine how we can make colloids active, and then study their collective properties when they interact with each other. The comprehensive bottom-up approach will allow us to explore possible strategies to engineer large-scale emergent properties of the system by tuning microscopic control parameters.



HOSTED BY: PROFESSOR PHILIP PINCUS
LIGHT REFRESHMENTS WILL BE SERVED BEFORE THE
SEMINAR AT **3:45**

