

PHYSICS COLLOQUIUM, partially funded by the GSFEI

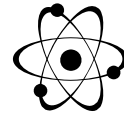
Stanislas Liebler
The Rockefeller University

**“Fluctuations, Information, and Survival: Some Lessons
from Bacteria”**

Monday, 5/7

4:00 P.M., Ronald Geballe Auditorium, A-102, PAA
Reception at 3:45 P.M. in the lobby

seminars



May 7-11, 2007

Abstract:

Growing (micro) organisms are subject to different types of environmental changes. Some of these are regular - for instance, daily variations of light intensity. Others are stochastic, such as the random appearance of predators or toxins. Bacteria have developed an astonishing panoply of survival strategies in varying environments. I will describe some recent experimental and theoretical studies of bacterial behavior. Connections with information theory and statistical mechanics will be discussed.

Tuesday, 5/8

Physics Final Exam David Coffey, UW Physics
9:30 A.M., Rm. C-520, PAT “Characterizing the Local Optoelectronic Performance of Organic Solar Cells with Scanning-Probe Microscopy”

Particle Theory Seminar Andrew Cohen, Boston University
2:30 P.M., Rm. C-421, PAT “MSSM Scalar Masses: New News from the Hidden Sector”

Condensed Matter (CMA) Seminar David Cobden, UW Physics
4:00 P.M., Rm. C-421, PAT “Metal-Insulator Transition in Vanadium Oxide Nanostructures”

Chalkboard Club Seminar Baruch Feldman, UW Physics
5:00 P.M., Rm. C-520, PAT “Modeling Conductivity in Thin Films and Crystal Grain Boundaries”

Friday, 5/11

Physics General Exam Adam Sorini, UW Physics
3:30 P.M., Rm. C-520, PAT