

## **SPECIAL MICROBIOLOGY SEMINAR**

**Dr. Erik Zettler**

**SEA at Woods Hole**

### **“Field Microbial Ecology; Techniques and Opportunities”**

The tools of molecular biology have advanced and transformed the study of microbial ecology, but there is still a need for microscopy and field measurements. During this informal lunchtime seminar we'll discuss some techniques used for studying microbial communities including microscopy, micro-sensors, electrochemistry, “micro-observatories”, and statistical techniques for looking at the relationship between microbial diversity and environmental parameters. Cornell students have great opportunities to learn traditional and cutting edge techniques used by microbial ecologists; among these are Cornell-approved courses such as intense field programs at Shoals Marine Laboratory off the Coast of Maine, and SEA Semesters aboard Sea Education Association's sailing research vessels. Faculty can also take advantage of visiting scientist berths to join a portion of a cruise to collect their own samples, or collaborate with scientists at SEA to obtain samples and data from our repeated cruise tracks in remote areas. Please join us for lunch to learn more about these opportunities.

FRIDAY, MAY 1, 2009  
ROOM – 406 Wing Hall  
12:15 – 1:30 PM

PIZZA PROVIDED

FACULTY AND STUDENTS ARE ENCOURAGED TO  
ATTEND THIS INFORMATIVE SESSION

Hosted by Ian Hewson and Esther Angert