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NORTHEAST BRANCH
AMERICAN SOCIETY FOR MICROBIOLOGY
Irene H. George, Secretary
PO Box 158
Dover, MA 02030

The Northeast Branch
American Society for Microbiology

Presents

Biofilm Development

With

Roberto Kolter, Ph.D.

President, American Society for Microbiology
Professor, Microbiology and Molecular Genetics Department
Harvard Medical School
200 Longwood Avenue
Boston, MA

Monday, November 2, 2009

Genzyme Center
500 Kendall Street
Cambridge, MA 02142

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Directions:

1. ***From the Expressway North/South***
*Take the exit to Storrow Drive. Follow Storrow Dr to the Kendall Square/ Government Ctr exit, and follow signs for Kendall Sq, which will send you across the Longfellow Bridge into Cambridge. After crossing the river, take a right at the first set of lights onto Third St. Turn right onto Kendall St. The parking garage is on your right.**

2. ***From the MA Turnpike (I-90 East)***
*Take the MA Turnpike east Take Exit 18 (Allston/Cambridge). Follow signs toward Cambridge/Somerville. The Doubletree Guest Suites Hotel will be on your right. At the traffic light take a right onto Storrow Drive. Do not cross the river. Take the Kendall Square/ Government Center exit off Storrow Drive. Follow signs for Kendall Sq., bearing left around the rotary and across Longfellow Bridge. After crossing the river, take a right at the first set of lights onto Third St. Turn right onto Kendall St. The parking garage is on your right.**

3. **By Commuter Rail, "T"**
Take the red line to the Kendall Square Stop. When you exit the station, you will be on Main St. Walk East-towards Boston-to the traffic light at the corner of Broadway & Third St. Cross at the intersection and walk down Third St. Take your first right onto Kendall St. Genzyme Center in the first building on the left.

*Parking tickets will be validated by NEB

Biofilm Development

Populations of surface-associated bacteria are commonly referred to as biofilms. Biofilm formation is a developmental process in which bacteria undergo a regulated lifestyle switch from a nomadic unicellular state to a sedentary multicellular state where subsequent growth results in structured communities and cellular differentiation. Dr. Kolter will present the latest findings from his lab on how extracellular signaling controls cell fate determination during the process of biofilm formation by *Bacillus subtilis.*

Roberto Kolter is a professor in the Microbiology and Molecular Genetics Department at Harvard Medical School and Co-Director of Harvard's Microbial Sciences Initiative. He is a Fellow of the American Academy of Microbiology and the current President of the American Society for Microbiology. Dr. Kolter has been an influential microbiologist for a period that spans four decades. As a graduate student in the 1970s his studies on the regulation of plasmid replication provided some of the first molecular evidence supporting the replicon hypothesis. Dr. Kolter established his laboratory at Harvard Medical School in 1983 and since then has made important contributions in diverse areas of microbiology. His work on peptide antibiotic synthesis and secretion provided some of the earliest knowledge on "ABC" exporters. Kolter was among the first to develop genetic approaches to investigate bacterial starvation physiology and pioneered the use stationary phase cultures as model systems in experimental evolution. Since the mid-1990s, Dr. Kolter has led the way in applying molecular genetic approaches to the study of biofilms. Presently, he continues to demonstrate his innovation and creativity in his studies that focus on the chemical biology of interspecies interactions.

The Northeast Branch, American Society for Microbiology cordially invites you to our fourth program in the 2009 series. This is an opportunity to "keep-pace" with current issues in microbiology and to network with other professionals in the field. One CEU will be awarded for this program through the American Society of Clinical Pathologists (ASCP).

EVENING PROGRAM

Registration 6:00 pm
Dinner 6:45 pm
Lecture 7:45 pm

Genzyme Center
500 Kendall St., Cambridge, MA 02142

Asian Dinner buffet from Sodexho includes: Chicken Stir-Fry, Shrimp Stir-Fry, Jasmine Rice, Fried Rice, Vegetable Egg Rolls, cookies/brownies and beverages.

Fee: $35 per person-members of NEB-ASM
$40 per person - nonmembers
$20 Students

Make check payable to:
NORTHEAST BRANCH-ASM

Mail to: *Irene George, NEB-ASM*
PO Box 158
Dover, MA 02030

Registration/cancellation deadline: October 29, 2009. Confirmations will NOT be sent. Questions may be directed to Irene George at (508) 785-0126.

Parking tickets will be validated at the Registration Desk.

DINNER-LECTURE – Genzyme Center, Cambridge, MA - **REGISTRATION FORM**
Biofilm Development
Monday – November 2, 2009

Name:_____

Facility:_____

Address:_____ Phone:_____

Registration Fee: ____**$35** (NEB-ASM Members) ____**$40** (Nonmembers) ____**$20** (Students)

Make check payable to: **NORTHEAST BRANCH-ASM**
MUST BE RECEIVED BY OCTOBER 29, 2009

Mail to: Irene George, NEB-ASM
PO Box 158, Dover, MA 02030

ASIAN DINNER BUFFET