

# ANAEROBE 2006 — CME Program

## WEDNESDAY, JULY 26, 2006

- 0715 REGISTRATION/Continental Breakfast**
- 0815-0820 OPENING REMARKS**  
*Dennis L. Stevens, M.D.*  
President, *Anaerobe Society of the Americas*
- 0820-0945 SESSION I: CATASTROPHIC CLOSTRIDIAL INFECTIONS IN HUMANS**  
*Chair: Dennis L. Stevens, M.D.*  
Catastrophic Anaerobic Infections  
*Dennis L. Stevens, M.D.*  
V.A. Medical Center, Boise, ID  
Lethal Toxin from *Clostridium sordellii*  
*Jimmy D. Ballard, Ph.D.*  
University of Oklahoma  
*Clostridium perfringens* Phospholipase  
C-Induced Platelet/Leukocyte Interactions Impede Neutrophil Diapedesis  
*Amy E. Bryant, Ph.D.*  
V.A. Medical Center, Boise, ID  
The *Clostridium sordellii* Leukocytosis Is Mediated by Direct and Indirect Effects of a Leukemoid Factor on Myeloid Progenitor Cells  
*Michael J. Aldape*  
University of Idaho, Boise, ID
- 0945-1015 BREAK — Industry Exhibits Open**
- 1015-1130 SESSION II: OBSTETRIC & GYNECOLOGIC INFECTIONS**  
*Chair: Sharon L. Hillier, Ph.D.*  
Molecular Identification of Bacterial Communities in *Bacterial Vaginosis*  
*David Fredricks, M.D.*  
Fred Hutchinson Cancer Research Center, Seattle  
Expanding the Spectrum of BV-Associated Bacteria: Clinical and Epidemiologic Implications  
*Jeanne Marrazzo, M.D.*  
University of Washington  
The Role of Anaerobic Bacteria in Pelvic Inflammatory Disease  
*Sharon L. Hillier, Ph.D.*  
University of Pittsburgh
- 1130-1300 LUNCH — STUDENT PRESENTATIONS**
- 1300-1430 SESSION III: CLOSTRIDIUM DIFFICILE INFECTIONS: INTERNATIONAL EPIDEMIC**  
*Chairs: Dale N. Gerding, M.D., Stuart Johnson, M.D.*  
U.S. Experience with the New Epidemic Strain  
*Dale N. Gerding, M.D.*  
Veterans Affairs Hospital, Hines, IL  
Canadian Experience with the New Epidemic Strain  
*Vivian Loo, M.D.*  
McGill University, Canada  
The British Experience: Policy Implications and Epidemiology  
*Brian I. Duerdon, M.D. & Jon S. Brazier, Ph.D.*  
British Public Health, U.K.  
Geographic Distribution of Subtypes of the Epidemic BI Strain in North America  
*Walter E. Zukowski*  
Veterans Affairs Hospital, Hines, IL

1430-1530

1530-1700

## POSTER SESSION I — EXHIBITS

### SESSION IV: VETERINARY ANAEROBIC INFECTIONS

*Chairs: J. Glenn Songer, Ph.D.*  
*Spencer S. Jang*

*Clostridium difficile* Infection in the Horse

*K. Gary Magdesian, D.V.M.*

University of California, Davis

*Clostridium perfringens* Epsilon Toxin in Animal Disease

*Francisco A. Uzal, Ph.D.*

California Animal Health & Food Safety Laboratory

Clostridial Diseases in Sheep Not Found in Textbooks

*Marie S. Bulgin, D.V.M.*

University of Idaho

Prevention of Porcine *Clostridium difficile*-associated Disease by Competitive Exclusion with Nontoxigenic Organisms

*J. Glenn Songer, Ph.D.*

University of Arizona

## THURSDAY, JULY 27, 2006

0715

### REGISTRATION/Continental Breakfast

0800-0930

### SESSION V: PERIODONTAL ANAEROBIC INFECTIONS

*Chairs: Thomas E. Rams, D.D.S., M.H.S.*  
Occurrence of Antibiotic Resistance among Periodontal Bacterial Pathogens

*Thomas E. Rams, D.D.S., M.H.S.*

Temple University

Pathogenetic Interactions among Herpesviruses and Anaerobic Bacteria in Human Periodontitis

*Jorgen Slots, D.D.S., D.M.D., Ph.D., M.B.A.*

University of Southern California

Periodontal Pathogen Activation of Latent Herpesviruses

*Jennifer Webster-Cyriaque, DDS, Ph.D.,*

University of North Carolina School of Dentistry

Oral Microbiota of Children

*Elani Kanasi, D.D.S.*

The Forsyth Institute

$\beta$ -Lactamase Production among Oral Pigmented Prevotella Populations Isolated from Young Mothers

*Mervi Latva-aho*

National Public Health Institute, Finland

0930-1000

### BREAK — INDUSTRY EXHIBITS

1000-1130

**SESSION VI: KEYNOTE PANEL DISCUSSION:**  
The Role of the Clinical Microbiology Laboratory in the Diagnosis of Anaerobic Infections in 2006.

*Panelists: Dennis L. Stevens, M.D.;*

*Ellen Jo Baron, Ph.D.; Judy A. Daly, Ph.D.;*

*Paul M. Southern, M.D.; Karen Carroll, Ph.D.;*

*Roberta Carey, Ph.D.; Diane M. Citron*

1130-1300

### LUNCH

1300-1430

### SESSION VII: INTESTINAL FLORA: NEW LESSONS ABOUT PHYSIOLOGY, IMMUNITY, AND DISEASE

*Chairs: Cynthia L. Sears, M.D.*

*Bennett Lorber, M.D.*

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New Perspectives on Bowel Flora: An Overview  
*Bennett Lorber, M.D.*  
Temple University

How Does *Bacteroides fragilis* Deal with High and Low Concentrations of Oxygen?  
*Michael H. Malamy, M.D.*  
Tufts University

Bacterial Establishment of Intestinal Flora in Preterm Infants  
*Marie-José Butel, Ph.D.*  
Université René Descartes Paris, France

Immunity Stimulation by Bifidobacterium Strains Isolated from Allergic and Healthy Infants in Gnotobiotic Mice  
*Anne-Judith Waligora-Dupriet, Ph.D.*  
Université René Descartes Paris, France

Enterotoxigenic *Bacteroides fragilis*: A Proinflammatory Enteric Pathogen  
*Cynthia L. Sears, M.D.*  
Johns Hopkins University

1430-1530

## POSTER SESSION II/EXHIBITS

1530-1700

## SESSION VIII: RAPID DIAGNOSIS OF ANAEROBIC INFECTIONS

Chairs: Sydney M. Finegold, MD.  
Robert D. Walker, Ph.D.

The Importance of Rapid Diagnosis of Anaerobic Infections  
Sydney M. Finegold, MD.

Wadsworth Anaerobe Lab., VA West Los Angeles, CA

PCR-based Diagnostics for Anaerobic Infections  
*Yuli Song, Ph.D.*

Wadsworth Anaerobe Lab., VA West Los Angeles, CA

Options and Risks by Using Diagnostic Genechips  
*Georg Conrads, Ph.D.*  
University Hospital, Aachen Germany

Identification and Characterization of *Fusobacterium* species  
*Marina C. Claros, Ph.D.*  
Viollier AG, Switzerland

Development of 16S rRNA-based Probes for the Identification of Most Clinically Encountered Gram-Positive Anaerobic Cocci  
*Alida C.M. Wildeboer-Veloo*  
University Med. Center Groningen, Netherlands

## FRIDAY, JULY 28, 2006

0715-0800

## REGISTRATION/Continental Breakfast

0800-0930

## SESSION IX: MECHANISMS OF ANTIMICROBIAL RESISTANCE AMONG ANAEROBES

Chairs: David W. Hecht, M.D.  
Marilyn C. Roberts, Ph.D.

Nim and non-Nim Mechanisms of Metronidazole Resistance in *Bacteroides*  
*C. Jeffrey Smith, Ph.D.*  
East Carolina University

Pump It Up!! Efflux Pumps in *Bacteroides fragilis* and their Impact on Antimicrobial Resistance  
*Hannah Wexler, Ph.D.*  
Wadsworth Anaerobe Lab., VA West Los Angeles, CA

Acquired Antibiotic Resistance Genes in *Fusobacterium nucleatum*  
*Kayode K. Ojo, Ph.D.*  
University of Washington

*Propionibacterium acnes* in Acne Vulgaris and Severe Infections  
*Carl Erik Nord, M.D.*  
Karolinska University Hospital

Identification and Mutational Analyses of the Active Site of BmpH - The Single, Multifunctional Mobilization Protein of the *Bacteroides fragilis* Mobilizable Transposon Tn5520  
*Gayatri Vedantam, M.D.*  
Loyola University, Chicago

0930-0950

## BREAK/EXHIBITS

0950-1050

## SESSION X: ANAEROBIC INFECTIONS: DIAGNOSIS & MANAGEMENT

Chair: *Stephen Allen, M.D.*

Neonatal Tetanus and the Decline of St Kilda: A 21st Century Investigation of a 19th Century Problem  
*Ian R. Poxton, Ph.D.*

University of Edinburgh Medical School, Scotland

The Role of Surgery in Anaerobic Infections  
*Duncan Angus (Gus) McGrouther, M.D.*  
University of Manchester, U.K.

Novel Botulinum Neurotoxins and Implications for Diagnosis and Therapy  
*Eric A. Johnson, Ph.D.*  
University of Wisconsin

Recent Increase in Anaerobic Bacteremias at the Mayo Clinic  
*Jon Rosenblatt, M.D.*  
Mayo Clinic

Session Discussant  
*Stephen Allen, M.D.*  
Indian University

1050-1100

## BREAK

1100-1215

## SESSION XI: NEW ANTIBIOTICS TO TREAT ANAEROBIC INFECTIONS

Chairs: *Ellie, J.C. Goldstein, M.D.*  
*Andrew B. Onderdonk, Ph.D.*

New Antibiotics for Anaerobic Infections  
*Ellie J.C. Goldstein, M.D.*  
R.M. Alden Research Lab/UCLA

Evaluating Antibiotics for Mixed Intra- Abdominal Infections  
*Joseph S. Solomkin, M.D.*  
University of Cincinnati

The Use of Fluoroquinolones to Treat Anaerobic Infections  
*Gary Stein, M.D.*  
Michigan State University

Interruption of Recurrent *Clostridium difficile* Diarrhea Episodes Using a Post-Treatment Rifaximin Regimen  
*Stuart Johnson, M.D.*  
Loyola University, Chicago

1215-1230

## CLOSING REMARKS

*Dennis L. Stevens, M.D.*  
President, Anaerobe Society of the Americas