

# Anaerobe ♦ 2008

## CONGRESS PROGRAM

Tuesday, June 24, 2008

- 0800-1700 REGISTRATION
- 0900-1700 PRE-CONGRESS WORKSHOP  
Anaerobic Identification Using Conventional Techniques and Sequencing of 16S rDNA and Susceptibility Testing Methods  
*Diane M. Citron, Mike Cox, Kerin Tyrrell*
- 10:30, 13:30 "BEHIND THE SCENES" TOUR OF  
15:30 THE AQUARIUM OF THE PACIFIC

Wednesday, June 25, 2008

- 0715 REGISTRATION  
CONTINENTAL BREAKFAST
- 0900-0910 WELCOME & INTRODUCTION  
*Stuart Johnson, M.D., ASA President*
- 0910-1040 SESSION I: INTESTINAL FLORA &  
INTRA-ABDOMINAL INFECTIONS  
*Chair: Cynthia L. Sears, M.D.*  
Importance of Glycan Synthesis and Regulation to Colonization of the Mammalian Intestine by *Bacteroides fragilis*  
*Maria Chatzidakis-Livani, Ph.D.*  
The *Bacteroides fragilis* Oxidative Stress Response During Intra-Abdominal Infections  
*C. Jeffrey Smith, Ph.D.*  
The Updated IDSA Guidelines for Intra-Abdominal Infections  
*Joseph S. Solomkin, M.D.*  
Modulation of the Gut Microbiota of Preterm Infants  
*Marie-José Butel, Ph.D.*
- 1040-1100 BREAK
- 1100-1200 SESSION II: PROBIOTICS FOR THE PRE-  
VENTION OF ANTIBIOTIC-ASSOCIATED  
DIARRHEA AND *C. DIFFICILE* DISEASE  
*Chair: David W. Hecht, M.D.*  
Probiotics: Panacea or Poppcock?  
*Lynne V. McFarland, Ph.D.*  
Probiotics, Prebiotics, Gnotobiotics, and the Like: What is With Our Fascination?  
*Mark A. Miller, M.D.*
- 1200-1330 LUNCH
- 1330-1445 SESSION III: ORAL & PERIODONTAL  
INFECTIONS  
*Chair: Thomas E. Rams, D.D.S.*  
A Systematic Approach to Examine the Genomic Variations and Pathogenic Mechanisms of *Aggregatibacter (Actinobacillus) actinomycetemcomitans*  
*Casey Chen, D.D.S., Ph.D.*  
Studies on *Fusobacterium nucleatum*  
*Susan Kinder Haake, D.M.D., Ph.D.*  
Bacterial Diversity in Periodontal Health and Disease: A Molecular View  
*Purnima Kumar, D.D.S., Ph.D.*
- 1445-1545 POSTER PRESENTATION SESSION I  
1545-1700 SESSION IV: INTERESTING CLINICAL  
TOPICS IN ANAEROBIC INFECTIONS  
*Chair: Bennett Lorber, M.D.*

- Looking at Autism as an Infectious Disease  
*Sydney M. Finegold, M.D.*
- Bacterial Vaginosis and Preterm Birth: New Insights into Host-Microbe Interactions  
*Hyagriv Simhan, M.D.*
- Indigenous Anaerobic Oxalate Degrading Bacteria and the Prevention of Calcium Oxalate Kidney Stone Disease  
*Valerie R. Abratt, Ph.D.*
- Enterotoxigenic *Bacteroides Fragilis* (ETBF): Instigator of Colitis and Colonic Adenomas in Mice  
*Cynthia L. Sears, M.D.*
- 1700-1730 ASA ORGANIZATIONAL MEETING  
1730-1900 WINE & CHEESE RECEPTION

Thursday, June 26, 2008

- 0715 REGISTRATION  
CONTINENTAL BREAKFAST
- 0830-0900 SESSION V: *CLOSTRIDIUM DIFFICILE*:  
A HISTORICAL PERSPECTIVE  
*John G. Bartlett, M.D.*
- 0900-1000 SESSION VI: *CLOSTRIDIUM DIFFICILE*:  
PATHOGENESIS  
*Chair: Gayatri Vedantam, M.D.*  
Adherence and Protein Profiling Studies of *Clostridium difficile* BI/NAP1/O27 Isolates  
*Gayatri Vedantam, Ph.D.*  
Are Toxin A and Toxin B Essential Virulence Factors of *Clostridium difficile*?  
*Dena Lyras, Ph.D.*
- 1000-1020 BREAK
- 1020-1200 SESSION VII: *CLOSTRIDIUM DIFFICILE*:  
EPIDEMIOLOGY  
*Chair: L. Clifford McDonald, M.D.*  
Healthcare and Community-Associated *Clostridium difficile* Infection in North America  
*L. Clifford McDonald, M.D.*  
Emerging *Clostridium difficile* Strains in North America  
*Brandi Limbago, Ph.D.*  
Molecular Epidemiology of *Clostridium difficile* Infection in the United Kingdom  
*Val Hall, Ph.D.*  
Changing Clinical Epidemiology and Prevention Initiatives for *Clostridium difficile* Infection in Europe  
*Ian R. Poxton, Ph.D.*
- 1200-1300 LUNCH
- 1300-1345 SESSION VIII: KEYNOTE ADDRESS  
*Chair: Stuart Johnson, M.D.*  
*Clostridium difficile*: Sporulation, Germination and Toxin Gene Expression  
*Abraham L. Sonenshein, Ph.D.*
- 1345-1400 BREAK  
1400-1515 SESSION IX: *C. DIFFICILE*: DIAGNOSIS  
*Chair: Roberta Carey, Ph.D.*

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- Clostridium difficile* Testing Algorithms: What is Practical and Feasible?  
*Peter H. Gilligan, Ph.D.*
- Use of Molecular Diagnostic Testing for the Diagnosis of *Clostridium difficile*-Associated Diarrhea (CDAD)  
*Lance R. Peterson, M.D.*
- Lessons Learned: Setting Up a Reference Laboratory for *Clostridium difficile*  
*Eija Kononen, D.D.S., Ph.D.*
- 1515-1615 POSTER PRESENTATION SESSION II  
1615-1715 **SESSION X: CLOSTRIDIUM DIFFICILE: MANAGEMENT** 1145-1300  
*Chair: Dale N. Gerding, M.D.* 1300-1430  
Current and Future Treatment Options for *Clostridium difficile* Infection  
*Dale N. Gerding, M.D.*
- Fecal Bacteriotherapy for Recurrent *Clostridium-difficile*-Associated Diarrhea  
*Johan S. Bakken, M.D., Ph.D.*
- 1715-1745 **SESSION XI: CONTINUING CHALLENGES WITH CLOSTRIDIUM DIFFICILE**  
*Sherwood L. Gorbach, M.D.*
- 1800 RECEPTION & BANQUET CONGRESS AWARDS
- Friday, June 27, 2008*
- 0715 REGISTRATION  
CONTINENTAL BREAKFAST
- 0830-1000 **SESSION XII: THE OTHER CLOSTRIDIA**  
*Chair: Marilyn Roberts, Ph.D.*  
*Clostridium sordellii* and Pregnancy Associated Toxic Shock CATS: Current Pathobiology and Updated Recommendations  
*James A. McGregor, M.D.*  
*Clostridium novyi*-NT Spores as a Treatment for Solid Tumor Malignancies  
*Luis A. Diaz, M.D.*  
A Review of Taxa and Research Findings Associated with *Clostridium* Cluster IV: The "*Clostridium leptum* Supra-Generic rRNA Cluster Group"  
*Kathryn A. Bernard*
- Vacuolization and Apoptotic Activities of *Clostridium histolyticum* Cytotoxins 1615-1630  
*Gayane Martirosian, Ph.D., M.D.* 1630-1730
- Neuronal Cell-Based Botulinum Neurotoxin (BoNT) Assays for Highly Sensitive and Specific Detection of BoNT and Neuroinhibitors  
*Eric Johnson, Ph.D.*
- 1000-1015 BREAK  
1015-1145 **SESSION XIII: ANTIMICROBIAL SUSCEPTIBILITY AND RESISTANCE**  
*Chair: C. Jeffrey Smith, Ph.D.*  
Antimicrobial Susceptibility of Anaerobic Bacteria in the United States  
*David W. Hecht, M.D.* 1730-1745  
Antimicrobial Susceptibility Patterns of Anaerobic Bacteria in Europe 1900  
*Carl Erik Nord, M.D.*
- Molecular Basis of Promiscuous DNA Transfer from *Bacteroides fragilis*  
*Gayatri Vedantam, Ph.D.*
- Clinical and Environmental Anaerobes are Potential Reservoirs for Acquired Mobile Macrolide and Tetracycline Resistant Genes  
*Marilyn Roberts, Ph.D.*
- The *Bacteroides fragilis* RecA Protein Involved in Repair of DNA Damage Caused by Metronidazole and Ultraviolet Light  
*Lynthia Paul, Ph.D.*
- 1145-1300 LUNCH  
1300-1430 **SESSION XIV: VETERINARY INFECTIONS**  
*Chair: J. Glenn Songer, Ph.D.*  
Is *Clostridium difficile* in the Food Chain?  
*J. Glenn Songer, Ph.D.*  
Anaerobic Infections in Marine Mammals  
*Barbara Byrne, D.V.D., Ph.D.*  
*Clostridium difficile* in Animals: How Many Types are There?  
*Maja Rupnik, Ph.D.*  
Prevalence of *Clostridium difficile* in an Integrated Swine Operation  
*Roger B. Harvey, D.V.M.*
- 1430-1445 BREAK  
1445-1615 **SESSION XV: METHODS & MICROBIOLOGY**  
*Chair: Sydney M. Finegold, M.D.*  
Different Molecular Approaches for Identification of Anaerobes in Endodontic Infections  
*Brenda Gomes, Ph.D.*  
Macro and Microarray Analysis of Subgingival and Vaginal Infection in Pregnancy  
*Anne Tanner, B.D.S., Ph.D.*  
New Methods for Selective Isolation of Bacterial DNA from Human Clinical Specimens  
*Georg Conrads, Ph.D.*  
The Interaction of *Bacteroides fragilis* and the Components of the Human Fibrinolytic System  
*Eliane de Oliveira Ferreira*
- BREAK  
**SESSION XVI: NEW ANTIBIOTICS**  
*Chair: Ellie J.C. Goldstein, M.D.*  
New Antibiotics to Treat Anaerobic Infections  
*Ellie J.C. Goldstein, M.D.*  
Pharmacodynamics of Antibiotics for Treatment of Anaerobic Infections  
*Gary E. Stein, Pharm.D.*  
Targeting Selenium Metabolism in Stickland Fermentors: Novel Narrow-Spectrum Antimicrobial Drug Development  
*William T. Self, Ph.D.*
- 1730-1745 CONCLUDING SESSION  
*Stuart Johnson, M.D., ASA President*  
DINNER ABOARD THE QUEEN MARY