

2012 Anaerobe

June 27-July 1, 2012
Grand Hyatt Hotel, San Francisco, CA

PROGRAM

WEDNESDAY-THURSDAY JUNE 27-28, 2012

0900-1700 ANAEROBE IDENTIFICATION & SUSCEPTIBILITY WORKSHOP AT SANTA CLARA UNIVERSITY

Diane M. Citron, Georg Conrads, Ph.D.
Laurie Cox, Mike Cox, Elizabeth Nagy, M.D.
Tracy Ruscetti, Ph.D., Kerin L. Tyrrell

THURSDAY JUNE 28, 2012

0900-1700 REGISTRATION OPENS

FRIDAY JUNE 29, 2012

0700 REGISTRATION / BREAKFAST / EXHIBITS

0830-0840 WELCOME

Cynthia L. Sears, M.D., President, ASA

0840-0940 KEYNOTE ADDRESS

Systemic Analysis of Human-Associated Microbes: Lessons from a Tiny Bacterium and a Large Community
Peer Bork, Ph.D.

0940-0955 DISCUSSION

0955-1015 BREAK / EXHIBITS

1015-1145 GASTROINTESTINAL MICROBIOTA & DISEASE

Moderator: Cynthia L. Sears, M.D.

The Microbiota & Inflammatory Bowel Disease: Clinical Aspects
Gary Wu, M.D.

The Microbiota & Inflammatory Bowel Disease: Insights from Disease Models
Deanna Nguyen, M.D.

Fusobacterium & Its Association with Colon Cancer
Robert A. Holt, Ph.D.

1145-1315 LUNCH / EXHIBITS / COMMITTEE MEETINGS STUDENT COMPETITION PRESENTATIONS

Moderator: David M. Aronoff, M.D.

1315-1345 STATE-OF-THE-ART LECTURE I

Cultivating the Uncultivable: How Can We Make Progress?
Slava Epstein, Ph.D.

1345-1445 ORAL MICROBIOTA & DISEASE

Chair: Purnima S. Kumar, D.D.S.

Oral Microbiota & Emerging Disease Associations
Emmanuel Mongodin, Ph.D.

The Links Between the Oral Microbiota & Pulmonary Disease
Frank Scannapieco, M.D.

1445-1545 POSTER SESSION I / EXHIBITS

1545-1635 ORAL PRESENTATIONS: MICROBIOTA IN HEALTH & DISEASE

Moderator: Sydney M. Finegold, M.D.

Identification & Characterization of Bacterial Biofilms of Sporadic Colorectal Cancer

Christine Dejea

Isolation of Novel, Non-*Bacteroides fragilis* Strains Containing the *Bacteroides fragilis* Toxin (*bft*) Locus from Colorectal Cancer Patients

Andrew Goodwin, Ph.D.

Human Intestinal Microbial Ecologies of Indigenous Communities

Paul Lawson, Ph.D.

Gut Microbiota in Obesity: Preliminary Results

Gayane Martirosian, M.D., Ph.D.

1635-1735 SCIENTIFIC FORUM

What's Hot in the Anaerobic Literature?

Bennett Lorber, M.D.

Carl Erik Nord, M.D.

1735-1800 ANAEROBE SOCIETY MEMBERSHIP MEETING

1800-1900 WINE & CHEESE RECEPTION

SATURDAY JUNE 30, 2012

0700 REGISTRATION / BREAKFAST / EXHIBITS

0800-0845 STATE-OF-THE-ART LECTURE II

Vaginal Health: Ecology & Disease
Jeanne Marrazzo, M.D.

0845-0945 POSTER SESSION II / EXHIBITS

0945-1045 THE GENITAL MICROBIOTA

Moderator: David Fredricks, M.D.

Clostridium Vaginal Infections

Brandi Limbago, Ph.D.

Anaerobes in Pelvic Inflammatory Disease: An Update.

Sharon Hillier, Ph.D.

1045-1100 DISCUSSION

1100-1145 STATE-OF-THE-ART LECTURE III

Fidaxomicin & New Agents in the Treatment of *Clostridium difficile* Recurrences

Thomas J. Louie, M.D.

1145-1200 DISCUSSION

1200-1315 LUNCH / EXHIBITS

ANAEROBE JOURNAL AUTHORSHIP WORKSHOP

1315-1445 CLOSTRIDIUM DIFFICILE: PATHOGENESIS, EPIDEMIOLOGY & THERAPY

Moderators: Dale N. Gerding, M.D.

Development of a Murine Infection Model to Understand *Clostridium difficile* Disease and Transmission

Trevor D. Lawley, Ph.D.

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Community-Associated *Clostridium difficile*: How Real Is It?

Fernanda Lessa, M.D., M.P.H.

Point-Counterpoint: *Clostridium difficile*: Is it a Food-borne Disease?

Jane Marsh, Ph.D.

J. Glenn Songer, Ph.D.

1455-1500 **BREAK**

1500-1630 **ORAL PRESENTATIONS:
CLOSTRIDIUM DIFFICILE**

Moderators: Stuart Johnson, M.D.

The Changing Faces of *Clostridium difficile*: A Personal Reflection of the Past 34 Years

Ian Poxton, Ph.D.

Colonization Resistance: Interactions between *Clostridium difficile* and the Indigenous Gut Microbiota

Vincent B. Young, M.D., Ph.D.

Epidemiology of Community-Associated *Clostridium difficile* Infection (CA-CDI): Emerging Infections Program, 2009-2011

Amit Chitnis, M.D.

The Importance of Toxin A in Virulence of an Epidemic *Clostridium difficile* Strain

Sarah Kuehne, Ph.D.

Phenotypic Characterization of *Clostridium difficile* Clinical Isolates

Paul E. Carlson, Jr., Ph.D.

Severe *Clostridium difficile* Associated Diarrhea: Impact of High Dose Vancomycin Therapy

Marina Claros, Ph.D.

1630-1730 **CLINICAL FORUM**

Unknown Cases

Gonzalo Ballon-Landa, M.D.

Ellen Jo Baron, Ph.D.

Ellie J.C. Goldstein, M.D.

1800 **CONGRESS BANQUET RECEPTION:
NIEMAN-MARCUS**

1900 **CONGRESS BANQUET**

SUNDAY JULY 1, 2012

0730 **REGISTRATION / BREAKFAST / EXHIBITS**

0815-0905 **STATE-OF-THE-ART LECTURE IV**

Anaerobic Diagnostic Microbiology: *Clostridium difficile* & Beyond

Diane Citron

Is MALDI-TOF MS Superior to Commercially Available Identification Kits for Identification of Anaerobic Bacteria in Routine Laboratories?

Elisabeth Nagy, M.D., Ph.D., D.Sc.

0905-0915 **DISCUSSION**

0915-1000 **POSTER SESSION III / EXHIBITS**

1000-1110 **OTHER CLOSTRIDIAL INFECTIONS**

Moderator: Dennis L. Stevens, M.D., Ph.D.

Botulism: New Aspects

Steve S. Arnon, M.D.

Clostridium spp.: Mechanisms of Disease

David M. Aronoff, M.D.

1110-1200 **ORAL PRESENTATIONS: *Clostridium* spp.**

Moderator: Glenn Songer, Ph.D.

Recent Progress in Understanding the Action of *Clostridium perfringens* Enterotoxin

Bruce McClane, Ph.D.

Evidence that the Agr Quorum Sensing System is a Regulator of *Clostridium perfringens* Toxin Production and Virulence

Jianming Chen, Ph.D.

Highly Sensitive Cell Model for Botulinum Neurotoxin Detection Using Human Neurons from Induced Pluripotent Stem Cells

Eric Johnson, M.D.

Phenotype Microarrays and Cytotoxicity-Based Clostridial Toxin Assay

Xiang Lei, Ph.D.

1200-1315 **LUNCH / EXHIBITS**

1315-1445 **PROBIOTICS: MECHANISMS
& HEALTH BENEFITS**

Moderator: Andrew B. Onderdonk, Ph.D.

Probiotics in Vaginal Infection Prevention

Raina N. Fichorova, M.D.

Antibiotic-Associated Diarrhea: Are Probiotics the Answer?

Mark Wilks, M.D.

Probiotic Mechanisms of Action: One Bug's Story

D. Brent Polk, M.D.

1445-1545 **ORAL PRESENTATIONS**

Moderator: Bennett Lorber, M.D.

Geographic Signatures of Anaerobes to Study Human-Microbe Co-Migration & Co-Evolution

Georg Conrads, Ph.D.

Probiotics in the Control of the Incidence and Severity of *Clostridium difficile* Infections at a Community Hospital

Pierre-Jean Maziade, M.D.

Polysaccharide Biosynthesis Loci Diversity amongst *Bacteroides fragilis* Isolates

Sheila Patrick, Ph.D., D.Sc.

A Unique Homologue of Eukaryotic Ubiquitin Produced by *Bacteroides fragilis* with the Potential for Significant Host Interaction

Kelly Jobling

Effect of Antiretroviral Treatment on Selected Gut Microbiota in South African HIV Positive Patients

Valerie R. Abratt, Ph.D.

Gut Microbiota in Preterm Infants Throughout the First Year of Life

Marie-Jose Butel, Pharm.D., Ph.D.

1545-1600 **DISCUSSION & CLOSING REMARKS**

Cynthia L. Sears, M.D.

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PRESENTERS

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