

Session A: Research - SCC 316, *cont.*

- 1:25-1:50p **Xiaonan Lu, Ph.D.**
Washington State University
Garlic-derived organosulfur compounds fight foodborne pathogens
- 1:50-2:15p **Mo Li, Ph.D.**
University of Washington
Type VI secretion effector recognition by a cognate immunity protein-Tsi2.
- 2:15-2:40p **Xuan Qin, Ph.D.**
Children's Hospital
Pseudomonas aeruginosa syntrophy in chronically colonized cystic fibrosis airways.
- 2:40-3:00p **Break**
- 3:00-3:25p **Brett Mellbye**
Oregon State University
You are what you eat: Nutrient and growth-rate control of quorum sensing in Pseudomonas aeruginosa.
- 3:25-3:50p **Curtis Moon**
Central Washington University
Arsenate resistance genes in alkaliphiles from Soap Lake
- 3:50-4:10p **Jonathan Pruneda**
University of Washington
Activation of the Shigella effector OspG requires binding to host cell ubiquitination machinery
- 4:10-4:30p **Chris Whidbey**
University of Washington
Penetration of human placental membranes by Group B Streptococci
- 4:30-4:50p **Sarah Wilson**
University of Washington
Evaluating interactions between epithelial cells and enteric pathogens in a small intestinal organoid model
- 5:00-6:30p **Posters**
Foyer of South Campus Center

Session B: Clinical - SCC 303

- 9:00a **William Glover, Ph.D**
Washington State Public Health Laboratories
Vibrio Parahemolyticus: Tales from the Half Shell
- 9:30a **Dr. Perez Osorio**
Washington State Public Health Laboratories
New Surveillance Tools to Aid Tuberculosis Control
- 10:00a **Mitchell Woodberry, Ph.D.**
University of Washington
The legion of doom!
- 10:30a **Break**
- 10:45a **Raquel Martinez, Ph.D.**
University of Washington
Rapid Bacterial Diagnostics
- 11:15a **Carl Wigren, MD**
Forensic Pathology Autopsy Services, LLC
Dead Ahead: an autopsy conundrum
- 12:00p **Lunch**
- 1:00p **Art Braden, Ph.D.**
Roche Diagnostics
Applying multiplex testing to HPV screening: Enhancing assay design for clinical benefit
- 1:45p **Steve Salipante, MD, PhD**
Bellingham Research Institute
Rapid next-generation sequencing for molecular diagnosis of complex specimens



ASM Northwest Conference

University of Washington

November 9-10, 2012

Opening Session and Reception William H. Foege
Genome Sciences Building

Sessions South Campus Center
Rm 303 & 316

Keynote Speaker

Nancy Freitag, Ph.D.

Department of Microbiology and Immunology,
University of Illinois at Chicago
College of Medicine

From soil to cytosol: the pathogenic transition of the environmental bacterium Listeria monocytogenes

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SCHEDULE OF EVENTS

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Friday November 9th

Saturday November 10th

Session A: Research - SCC 316, cont.

6:00-6:30p **Registration**
Foege Foyer
William H. Foegen Genome Sciences Building

8:00-8:30a **Registration**
South Campus Center
SCC-316

9:45-10:10a **Jay Mellies**
Reed College
The plasmid encoded PerC stimulates central metabolism in enteropathogenic E. coli

6:30p **Opening Remarks**
Foegen Auditorium
William H. Foegen Genome Sciences Building

Steve Libby, Ph.D.
President, NW Branch of the American Society for Microbiology, University of Washington

8:30a-12:10p **Session A: Research**

Session B: Clinical

10:10-10:30a **Break**

10:30-10:55a **Marina Kalyuzhnaya, Ph.D.**
University of Washington
Methanotrophy revisited: C-1-T0-Cn plus energy. Is it possible?

12:10-1:00p **Lunch**
Foyer of South Campus Center

10:55-11:20a **Elaine Frawley, Ph.D.**
University of Washington
The Major Facilitator Superfamily Pump IceT Exports Iron Citrate to Regulate Metabolism and Stress Resistance

1:00-5:00p **Session A: Research**

1:00-3:00p **Session B: Clinical Microbiology**

11:20-11:45a **Marion Brodhagen, Ph.D.**
Western Washington University
Espionage and counter-intelligence in Aspergillus and aflatoxin

5:00-6:30p **Poster Session**
Foyer of South Campus Center

11:45-12:10p **Svetlana Yurgel, Ph.D.**
Washington State University
Sinorhizobium meliloti nitrogen stress response: role in Rhizobium-legume association

Session A: Research - SCC 316

12:10-1:00p **Lunch**

7:30-9:00p **Opening Reception**
Vista Cafe, First Floor
William H. Foegen Genome Sciences Building

8:30-8:55a **Mike Konkel, Ph.D.**
Washington State University
Campylobacter jejuni takes control: effector-driven manipulation of host cell signaling

Rebecca Achterman, Ph.D.
Western Washington University
Crowd Funding in the Sciences

8:55-9:20a **Rosalind Bilharz, Ph.D.**
Pacific Lutheran University
A Tale of Two NS1s: A Comparison of the Host Type I Interferon Response to the 1918 'Spanish Flu' and the 2009 'Swine Flu'

Gita Bangera, Ph.D.
Bellevue College
Research in the classroom: Implementing NSF's Vision and Change Recommendations

9:20-9:45a **Josh Woodward, Ph.D.**
University of Washington
Defining the critical role of c-di-AMP in Listeria monocytogenes physiology and pathogenesis

1:00-1:25p **Charlotte Majerczyk, Ph.D.**
University of Washington
Quorum sensing in B. thailandensis, B. pseudomallei and B. mallei- adaptation of bacterial signaling in the related free-living saprophyte, opportunist, and host-restricted pathogen.