

The 53rd Annual ASM AZ/NV Branch Meeting, April 5th, 2014. University of Nevada, Las Vegas, Las Vegas NV.

Program Schedule

8:00 - 9:00 Registration and Breakfast

9:00 - 9:05 Welcome (Gayatri Vedantam – President of the Branch)

9:05 - 9:10 Introductions and Acknowledgements (Eduardo Robleto – President elect of the Branch)

9:10 - 9:15 Opening remarks (to be decided)

SESSION 1:

9:15 - 10:10 Keynote address:

Dr. Christopher Marx, Department of Biological Sciences, University of Idaho
THE MATH OF METABOLISM: MUTATIONS THAT DON'T LIKE EACH OTHER (AND SPECIES THAT DO)

10:15 - 10:30 Oral Presentation 1

Owen P Leiser, NAU

PARALLEL SERIAL PASSAGE REVEALS CONVERGENT EVOLUTION AND POTENTIAL DOMESTICATION BIOMARKERS IN *YERSINIA PESTIS*.

10:32 - 10:48 Oral Presentation 2

Corey Geurink, UNLV

CHARACTERIZATION OF THE NOVEL MAGNETOTACTIC GAMMAPROTEOBACTERIUM BW2 BASED ON GENOME ANALYSIS

10:50 - 11:15 Coffee Break

SESSION 2:

11:17 - 11:35 Oral Presentation 3

Rebecca MQuade, U of A

SUPEROXIDE REDUCTASE OF *C. DIFFICILE* IS INDUCED BY HOST ANTIMICROBIAL PEPTIDES AND CONTRIBUTES TO OXYGEN TOLERANCE

11:37 - 11:55 Oral Presentation 4

Farhan Anwar, U of A

A COMPARATIVE ANALYSIS OF *Clostridium difficile* INFECTION EPIDEMIOLOGY

11:57 - 12:15 Oral Presentation 5

Otto Schwake, ASU

Factors Contributing to the Growth of *Legionella* in Compost

12:17 - 12:35 Oral Presentation 6

Rachel Yoho, ASU

USE OF ADVANCED ELECTROCHEMICAL TECHNIQUES TO REVEAL ELECTRON TRANSPORT PATHWAYS IN ANODE-RESPIRING BIOFILMS

12:37 - 1:35 LUNCH

SESSION 3:

1:37 - 1:55 Oral Presentation 7

Andrew Clark, U of A

FLAGELLAR GLYCOSYLATION INFLUENCES MOTILITY, FLAGELLAR ASSEMBLY, AND TOXIN PRODUCTION IN *CLOSTRIDIUM DIFFICILE*

1:57 - 2:15 Oral Presentation 8

Natasha Weatherspoon-Griffin, UNLV

CHARACTERIZATION OF THE FORGOTTEN SLYA IN *SHIGELLA FLEXNERI*

2:17 - 2:35 Oral Presentation 9

Keith Morrison, ASU

THE ANTIBACTERIAL ACTIVITY OF MINERALS PROVIDES NEW INSIGHTS ON METAL TOXICITY

2:37 – 3:00 Closing Remarks and refreshments

3:00 - 5:00 POSTER SESSION with coffee break

6:00 - 8:00 Dinner