

Mississippi INBRE Microbiome Symposium
Microbiome Resilience- A New Frontier
Thursday, February 20th, 2020
Location Biloxi Convention Center

Organizer: Dr. Shahid Karim (Shahid.Karim@usm.edu),
School of Biological, Environmental, and Earth Sciences,
The University of Southern Mississippi

1:00-1:05: **Welcome remarks**



1:05-1:30 PM:

Physiological and genetic effects on the gut microbiome of rhesus macaques

Dr. Eric J. Vallender,
Department of Psychiatry and Human Behavior
University of Mississippi Medical Center, Jackson, Mississippi



1:30-1:50 PM:

Sex, gut microbiome, and cardiovascular network

Dr. Alex Razavi,
Tulane University School of Medicine and the School of Public Health & Tropical
Medicine, New Orleans, Louisiana



1:50-2:10 PM:

Relationships between gut microbiomes, host phylogenies and environmental parameters: a study on freshwater mussels (Unionidae)

Dr. Mark McCauley, Department of Biology, University of Mississippi, Oxford,
Mississippi



2:10-2:30 PM:

Marine microbiome research of deep gulf benthic habitats

Rachel Moseley and Rachel Muggé
Division of Coastal Sciences, University of Southern Mississippi,
Ocean Spring, Mississippi



2:30-2:50 PM:

Gut and fecal bacterial communities as indicators of trophic interactions among anuran larvae

Steven Everman,
School of Biological, Environmental, and Earth Sciences, University of Southern
Mississippi, Long Beach, Mississippi



2:50-3:10 PM:

Tick-Pathobiome interactions: collusion and cooperation within the tick host

Dr. Deepak Kumar
School of Biological, Environmental, and Earth Sciences, University of Southern
Mississippi, Hattiesburg, Mississippi

3:10-3:15 PM: **Concluding remarks**