

Workshop on
**BACTERIAL
PATHOGENESIS**

Nov 18-20th

SBM

Workshop on Bacterial Pathogenesis

Sociedade Brasileira de Microbiologia (SBM)

November 18th to 20th, 2020

Program

November 18th (Wednesday)

Opening Lecture

13:00-14:00

Michael Otto

National Institutes of Health, EUA

Anti-virulence strategies to combat *Staphylococcus aureus*

Conferences

14:00-14:30

Michelle Buckner

University of Birmingham, United Kingdom

Could targeting plasmids help reduce antimicrobial resistance?

14:30-15:00

Neta Sal-Man - Ben-Gurion

University of the Negev, Israel

Bacterial-host interactions and how competing pathogens affect them

Break

15:15-15:45

Josie Chandler

University of Kansas, EUA

Bacterial social behaviour: communication, cooperation and conflict among microbes

15:45-16:15

Stephanie Shames

Kansas State University, EUA

A novel role for bacterial effector regulation by metaeffectors

November 19th (Thursday)

13:00-13:30	André Báfica Universidade Federal de Santa Catarina (UFSC) Via endógena de ácido retinóico durante a infecção por <i>Mycobacterium tuberculosis</i>
13:30-14:00	Flávio Lara Fundação Oswaldo Cruz (Fiocruz) Subversão do metabolismo energético durante a infecção pelo <i>Mycobacterium leprae</i>
14:00-14:30	Rosana Ferreira Universidade Federal do Rio de Janeiro (UFRJ) A microbiota da pele no combate às bactérias multirresistentes. É possível encontrar novos compostos?
Break	
14:45-15:15	Ângela Barbosa Instituto Butantan Proteases secretadas por espiroquetas do gênero <i>Leptospira</i>: potenciais alvos e implicações na virulência
15:15-15:45	Fernando Martins University of Texas Southwestern Medical Center, USA Ativação de vias de sinalização pró-inflamatórias em resposta aos pedestais de actina formados por <i>Escherichia coli</i> enteropatogênica (EPEC)
15:45-16:15	Ethel Bayer Santos Universidade de São Paulo (USP) Targeting the Achilles' heel of bacteria: a novel family of antibacterial T6SS effectors affecting the peptidoglycan

November 20th (Friday)

Conferences

13:00-13:30	Christian Rueter University of Muenster, Germany Secretion and delivery of <i>Escherichia coli</i> virulence factors via outer membrane vesicles
13:30-14:00	Andrew Roe University of Glasgow, Scotland, UK Where am I? D-serine sensing helps drive niche specificity in pathogenic <i>Escherichia coli</i>
14:00-14:30	Fernando Ruiz-Perez University of Virginia, EUA Immunomodulatory serine proteases in pathogens of <i>Enterobacteriaceae</i>
14:30-15:00	John Leong Tufts University School of Medicine, EUA Microbial tools to characterize age-associated innate immune dysfunction

Break

15:15-16:15	Vanessa Sperandio University of Texas Southwestern Medical Center, USA The highs and lows of Bacterial Infections
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Organizers:

Sociedade Brasileira de Microbiologia (SBM)

Luis Caetano M. Antunes (Fundação Oswaldo Cruz - Fiocruz)

Rodrigo T. Hernandez (Instituto de Biociências – UNESP – Botucatu)