

CONFERENCE SCHEDULE

TUESDAY, APRIL 24, 2018

7:00pm Opening Welcome Reception and Cocktail Party

WEDNESDAY, APRIL 25, 2018

8:00am Registration / Coffee Service

SESSION 1: WELCOME AND KEYNOTE SPEAKERS

9:00 **Welcome**

Keith Kaye, MD, MPH; Michigan Medicine

Jaime Lora-Tamayo, MD, PhD; Madrid Hospital Chair

Joaquin Arenas, MD, PhD; Chair, Institute of Research, Hospital 12 de Octubre

Carlos Lumbreras, MD, PhD; Chair, Department of Internal Medicine, Hospital 12 de Octubre

9:15 **Polymyxins in a New Era of XDR Gram-Negatives: Polymyxin Accomplishments in the Last Decade**

David Paterson, MD, PhD

9:45 **State of the Art of Optimizing Polymyxin Therapy: Knowns and Unknowns**

Jian Li, PhD

SESSION 2: AN UPDATE IN CLINICAL TRIALS COMPARING COLISTIN MONOTHERAPY TO COMBINATION THERAPY

10:20 **Colistin Use in Critically-Ill Patients: Lessons From Recent Trials**

Emanuele Durante Mangoni, MD

10:40 **OVERCOME**

Keith Kaye, MD, MPH

11:00 Break and Poster Viewing

SESSION 3: REGULATORY AND INDUSTRY ISSUES AND ACTIONS

11:15 **EMA Actions**

Marco Cavaleri, PhD

11:30 **FDA Strategies**

Sumathi Nambiar, MD, MPH

11:45 **Agricultural and Environment Implications for Polymyxin Use**

Ursula Theuretzbacher, PhD

12:00pm Lunch

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SESSION 4: ORAL PRESENTATIONS (CO-SPONSORED WITH ISAP & EPASG)

1:30 10 Presentations at 8 Minutes with 2 Questions

3:30 Break and Poster Viewing

SESSION 5: WHAT'S NEW IN THE CLINICAL MICROBIOLOGY LABORATORY

4:00 **What's New in Rapid Diagnostics and Susceptibility Testing**
Johan Mouton, MD, PhD

4:20 **EUCAST and CLSI Breakpoints**
Roger Nation, PhD

5:00 *Session Adjourns*

8:30 *Dinner Reception*

THURSDAY, APRIL 26, 2018

8:00am Registration / Coffee Service

SESSION 6: POLYMYXIN RESISTANCE

9:00 **Welcome**
Keith Kaye, MD, MPH

9:00 **MCR-1: The Phantom Menace**
Jianhua Liu, PhD

9:20 **Clinical Impact of Colistin Resistance**
Frederico Perez, MD

9:40 **Current Novel Polymyxin Drug Discovery and Structure-Activity Relationships**
Tony Velkov, PhD

SESSION 7: THE LATEST ADVANCEMENTS IN UNDERSTANDING POLYMYXIN TOXICITIES

10:00 **Modern Pharmacology of Polymyxins: Achievements, Lessons, and Challenges**
Jian Li, PhD

10:20 **Strategies to Decrease Nephrotoxicity**
Jason Pogue, PharmD

10:40 **Emerging Polymyxin Toxicities: It Isn't All About the Kidneys**
Alexandre Zavascki, MD

11:00 Break and Poster Viewing

SESSION 8: COMBATING ANTIBACTERIAL RESISTANCE: NIH AND EU INITIATIVES

11:20 **Transatlantic Partnerships and the NIH**
Dennis Dixon, PhD, and Lanling Zou, MD

11:35 **The European Road Map Against Antimicrobial Resistance**
Ursula Theuretzbacher, PhD

11:50 Lunch

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SESSION 9: POLYMYXIN PERSPECTIVES AROUND THE WORLD

SESSION 9A: SPANISH ROUND TABLE IN COLLABORATION WITH 'SPANISH INFECTIOUS DISEASES SOCIETY'

- 1:00pm **Colistin as the Last Resort Therapy in Extremely Drug Resistant Gram Negative Bacilli Infections: Lessons Learned**
Juan Pablo Horcajada, MD, PhD
- 1:15 **Colistin in the Treatment of Biofilm-Associate Infections: Pre-Clinical and Clinical Evidence**
Oscar Murillo, MD, PhD
- 1:30 **Polymyxins, Microbiology and Epidemiology: The Spanish Perspective**
Luis Martinez, MD, PhD

SESSION 9B: EMERGING POLYMYXIN USE: REPORTS FROM ASIA

- 1:45 **INDIA**
Sumanth Gandra, MD, MPH
- 2:05 **CHINA**
Qiwen Yang, PhD
- 2:25 **THAILAND**
Visanu Thamlikitkul, MD

SESSION 10: NEXT GENERATION PK/PD/TD

- 2:40 **Polymyxin PK/PD: To Infinity and Beyond**
Brian Tsuji, PharmD
- 3:00 **Is There a Therapeutic Window? Colistin or Polymyxin B**
Vincent Tam, PharmD
- 3:20 **TDM: The Next Frontier**
William Couet, PhD
- 3:40 Break

SESSION 11: POLYMYXIN GUIDELINES

- 3:55 **Overview**
- 4:00 **Colistin Dosing**
Roger Nation, PhD
- 4:30 **Polymyxin B Dosing**
Alexandre Zavascki, MD
- 5:00 **Combinations**
George Daikos, MD, Brian Tsuji, PharmD, and Jason Pogue, PharmD
- 5:30 **Aerosolized Use**
Keith Kaye, MD, MPH
- 5:45 **Intrathecal Use**
Ilias Karaiskos, MD, PhD
- 6:00 Round Table Discussion
- 6:15 Course Adjourns