**1st Annual Texas Medical Center Antimicrobial Resistance and Stewardship Conference**

**January 17-19, 2018**

### Day 1 – Wednesday, January 17, 2018

<table>
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<th>Time</th>
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<td>8:00-8:30</td>
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| 8:30-9:15     | Opening Key Note Lecture  
*The Future of Antibiotics*  
*Patrice Courvalin, MD, FACP*  
*Institut Pasteur* |

#### Mechanisms of Antibiotic Resistance and Drug Discovery

**Session 1**

Conveners: Adriana Rosato, PhD and William R. Miller, MD

- **9:15-9:45**  
  *New Insights into Peptidoglycan Synthesis*  
  *Louis Rice, MD*  
  Brown University

- **9:45-10:15**  
  *Anti-toxin Therapies for Staphylococci*  
  *Victor Torres, PhD*  
  New York University

- **10:15-10:45**  
  *Cell Membrane Adaptation Against Antimicrobial Peptides*  
  *Truc T. Tran, PharmD*  
  UTHealth

- **10:45-11:00**  
  Selected abstract for oral presentation

- **11:00-11:30**  
  Break

**Session 2**

Conveners: Tim Palzkill, PhD

- **11:30-12:00**  
  *Carbapenemases and Beyond*  
  *Karen Bush, PhD*  
  Indiana University

- **12:00-12:30**  
  *Innovative Inhibition of Bacterial Resistance Mechanisms*  
  *David Greenberg, MD*  
  UT Southwestern, Dallas

- **12:30-1:00**  
  *Novel Chemical Approaches for β-lactamases*  
  *Maria F. Mojica, PhD*  
  Universidad El Bosque, Colombia

- **1:00-2:30**  
  Poster session and lunch

**Session 3**

Conveners: Julian Hurdle, PhD
### Session 4

**Convener**  
Lynn Zechiedrich, PhD

#### 4:45-5:15

**Anti-virulence Approaches Against C. difficile**  
**Charles Darkoh, PhD**  
UTHHealth School of Public Health

#### 5:15-5:45

**Phage Therapies**  
**Anthony Maresso, PhD**  
Baylor College of Medicine

#### 5:45-6:15

**The Acinetobacter Nightmare: Mechanisms and Clinical Implications**  
**Yohei Doi, MD, PhD**  
University of Pittsburgh

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### Day 2 – Thursday, January 18, 2018

#### 7:30-8:00

Registration

### Diagnostics, Genomics and the Microbiome

#### Session 5

**Conveners**  
Sam Shelburne, MD, PhD and Ed Septimus, MD

#### 8:00-8:30

**Rapid Diagnostics and AMR**  
**Angela Caliendo MD**  
Brown University

#### 8:30-9:00

**Whole Genome Sequencing and AMR**  
**Blake Hanson, PhD**  
UTHHealth School of Public Health

#### 9:00-9:30

**The Origin of Community-Associated MRSA**  
**Ashley Robinson, PhD**  
University of Mississippi

#### 9:30-9:45

Selected abstract for oral presentation

#### 9:45-10:15

Break

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Conveners: Randall Olsen, MD, PhD and Audrey Wanger, PhD

10:15-12:00 Interactive Case-based Session on Rapid Diagnostics
Discussants: Angela Caliendo, MD, David Greenberg, MD, PhD and Tim Peto, MD

12:00-2:00 Poster session and Lunch

Session 7
Conveners: Jose Munita, MD and Jessica Galloway-Peña, PhD

2:00-2:30 Predicting Susceptibilities of M. Tuberculosis with Whole Genome Sequencing
Tim Peto, MD, Oxford University

2:30-3:00 Carbapenemase Epidemics in the USA
Barry Kreiswirth, PhD
Rutgers University

3:00-3:30 International VRE Epidemics
Lorena Diaz, PhD
Universidad El Bosque, Bogota, Colombia

3:30-3:45 Selected abstract for oral presentation

3:45-4:00 Break

Session 8
Conveners: Yousif Shamoo, PhD and Arnold Bayer, MD

4:00-4:30 The Microbiome Now and Beyond
Tor Savidge, PhD
Baylor College of Medicine

4:30-5:00 Microbiome Predicts Clinical Outcomes in Cancer Patients
Jessica Galloway-Peña, PhD
UT MD Anderson Cancer Center

5:00-5:30 Fighting C. difficile
Herbert DuPont, MD
UT Health School of Public Health

5:30-6:30 Key Note Lecture
Helen Boucher, MD
Tufts University School of Medicine in Boston
Tackling Antibiotic Resistance, A Global Priority

Day 3 Friday, January 19, 2018

Improving Antibiotic Stewardship

Session 9
Convener: Ed Septimus

8:30-9:15 Opening Key Note Lecture
Antibiotic Resistance: Lives at Peril
Ramanan Laxminarayan, PhD
Director, Center for Disease Dynamics, Economics and Policy
Washington, D.C.

UAN: 0156-9999-18-041-L01-P
Credit Hours: 0.75 (0.075 CEUs)
Type: Knowledge-based

At the completion of this activity, the pharmacist will be able to:
1. Describe global patterns and trends in antibiotic resistance
2. Discuss key drivers of global antibiotic consumption
3. Identify interventions needed to address the growing challenge of antibiotic resistance

9:15-9:45  Strengthening Antibiotic Stewardship in Nursing Homes: National Initiatives, Local Actions

Nimalie D. Stone, MD, MS
Medical Officer
Centers for Disease Control and Prevention
Atlanta, GA

UAN: 0156-9999-18-004-L01-P
Credit Hours: 0.5 (0.05 CEUs)
Type: Knowledge-based

At the completion of this activity, the pharmacist will be able to:
1. Describe the new antibiotic stewardship program regulatory requirements for nursing homes
2. Define the core elements of antibiotic stewardship for nursing homes
3. Identify strategies a consultant pharmacist can use to support the implementation of antibiotic stewardship in nursing homes

9:45-10:15  Improving Antimicrobial Use in Children through Antimicrobial Stewardship Interventions in the Inpatient and Outpatient Setting

Jason Guy Newland, MD, MEd, FPIDS
Associate Professor of Pediatrics
Washington University in St. Louis
Director of the Antimicrobial Stewardship Program
St. Louis Children’s Hospital
St, Louis, MO

UAN: 0156-9999-18-005-L01-P
Credit Hours: 0.5 (0.05 CEUs)
Type: Knowledge-based
At the completion of this activity, the pharmacist will be able to:

1. Describe the impact of inappropriate antibiotic use on children
2. List effective antimicrobial stewardship activities in pediatrics
3. List the impact of antimicrobial stewardship interventions in children.

10:15-10:45

Asymptomatic Bacteriuria Collaborative Update

Barbara Trautner, MD, PhD
Associate Professor, Infectious Diseases
Director, Clinical Research
Michael E. DeBakey Department of Surgery
Baylor College of Medicine
Houston, Texas

UAN: 0156-9999-18-006-L01-P
Credit Hours: 0.5 (0.05 CEUs)
Type: Knowledge-based

At the completion of this activity, the pharmacist will be able to:

1. Describe how to participate in a learning collaborative for antibiotic stewardship
2. Use tools from our collaborative in their own facilities
3. Troubleshoot barriers to this type of antibiotic stewardship in their own facility

11:15-11:45

Automating Antimicrobial Stewardship

Frank Tverdek, PharmD, BCPS (AQ-ID)
Clinical Pharmacy Manager, Infectious Diseases
UT MD Anderson Cancer Center
Houston, Texas

UAN: 0156-9999-18-007-L01-P
Credit Hours: 0.5 (0.05 CEUs)
Type: Knowledge-based

At the completion of this activity, the pharmacist will be able to:

1. Identify antimicrobial stewardship activities with low barrier to initiate
2. Identify examples of how to leverage an electronic medical record to perform antimicrobial stewardship
3. Discuss the process of automating an antimicrobial stewardship activity
11:45-12:15  Current and Emerging Therapies for the Treatment of Infectious Diseases

Kristi Kuper, Pharm.D., BCPS
Senior Clinical Manager, Infectious Disease
Vizient
Katy, Texas

UAN: 0156-9999-18-008-L01-P
Credit Hours: 0.5 (0.05 CEUs)
Type: Knowledge-based

At the completion of this activity, the pharmacist will be able to:
2. Describe the increased need for new antibiotics
3. Discuss the antibiotics that should be approved for human use in 2018/early 2019

12:15-1:30  Lunch and Poster Session

1:30-2:15  Active Surveillance for C diff and CRE in Houston

Kevin W. Garey, BS, PharmD, MS, FASHP
Professor and Chair
University of Houston
Houston, Texas

UAN: 0156-9999-18-009-L01-P
Credit Hours: 0.75 (0.075 CEUs)
Type: Knowledge-based

At the completion of this activity, the pharmacist will be able to:
1. Relate C. difficile ribotypes to past and future epidemic strains
2. Recommend antibiotic treatment therapy for CRE infections in Houston based on local molecular resistance trends
3. Relate horizontal infection transfer to geographic regions around Houston

2:00-2:30  C-Suite Support for Antimicrobial Stewardship

M. Michael Shabot, MD, FACS, FCCM, FACMI
Executive Vice President and System Chief Clinical Officer
Memorial Hermann Health System
Houston, Texas

UAN: 0156-9999-18-010-L01-P
Credit Hours: 0.5 (0.05 CEUs)
Type: Knowledge-based
At the completion of this activity, the participant will be able to:
1. Discuss the role of antimicrobial stewardship as part of high reliability safe care
2. Describe the role of executive leadership in antimicrobial stewardship programs
3. Manage competing priorities for patient care and institutional resources

2:30 Closing Reception

To receive credit for participation in this live educational session, you must claim your credit via the TSHP Education Portal (http://tshp.wcea.education/) no later than Monday, March 5, 2018. A live event “secret code” will be provided during the session, you must retain this code to claim your credit. A session evaluation must be completed through the online portal for credit to be issued. Access to an Internet enabled computer is required and use of the Mozilla Firefox browser is recommended. Accurate NABP profile and date of birth information is required for successful credit submission. It is the responsibility of the participant to ensure credit has been successfully transferred to their My CPE Monitor Profiles. TSHP is not responsible for loss of credit to participants that do not ensure credit issuance to their My CPE Monitor Profiles by Monday, March 5, 2018.

Intended Audience: This event was designed for pharmacists

Disclosure Statements: The symposium is supported by grants from commercial interests. List of supporting companies will be disclosed at the symposium. Speaker disclosures will be provided in the course syllabus distributed at the symposium.