

SHEA
The Society for Healthcare
Epidemiology of America

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SHEA Spring 2019 Conference
SCIENCE GUIDING PREVENTION



FINAL PROGRAM

Download SHEA Spring 2019 Meeting App
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April 24-26
BOSTON, MASSACHUSETTS
Westin Boston Waterfront

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SCIENCE GUIDING PREVENTION

Dear Colleagues,

On behalf of the Society for Healthcare Epidemiology of America (SHEA) Board of Trustees and the SHEA Spring 2019 Program Committee, welcome to the SHEA Spring 2019 Conference: Science Guiding Prevention in Boston, MA. For the next few days immerse yourself in education and training in infection prevention, healthcare epidemiology, and antibiotic stewardship. We are proud of the breadth of the sessions and thought leadership of the speakers. We intend for you to leave the conference with new ideas to make your infection prevention and antibiotic stewardship practices stronger, improving patient outcomes. SHEA believes education is the basis for fulfilling our vision statement – Safe Healthcare for All. Thank you being part of SHEA Spring.

SHEA Spring 2019 Conference highlights:

- Scientific abstracts on healthcare epidemiology, surveillance, implementation science, and patient safety, and prevention strategies posters during breakfast and lunch breaks with oral presentations
- The 2019 plenaries, open to all attendees
- Networking opportunities during breaks
- Mentorship Networking Breakfast on Wednesday, April 24 (by invitation only)
- Welcome Reception with SHEA President, Hilary Babcock, MD, MPH on Wednesday, April 24
- SHEA Epi Project Competition on Thursday, April 25
- SHEA Education & Research Foundation Dinner on Thursday, April 25 (ticket purchase)
- The Women in Epi Networking Breakfast on Friday, April 26

The next few days are packed with education delivered by leading experts in the field. If you have a spare moment, let us know how we are doing. We would love to have your feedback in real time. Use the hashtag #SHEA2019 to amplify all the great commentary from the meeting. Finally, please do not forget to submit your evaluations after the meeting.

Thank you again for joining us. Enjoy the conference!

Sincerely,



Judy Guzman-Cottrill, DO, FSHEA
Oregon Health and Science University
Doernbecher Children's Hospital



Thomas J. Sandora, MD, MPH, FSHEA
Harvard Medical School
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SHEA's overall goal for SHEA Spring 2019 is for participants to gain valuable knowledge about the latest research and science in healthcare epidemiology, practical skills, and strategies to implement this knowledge, and ongoing connections with other professionals in the field of healthcare epidemiology and infection prevention.

FULL CONFERENCE

At the conclusion of the activity, learners should be able to:

- Review and critique new scientific evidence related to epidemiologic methods and prevention of healthcare-associated infections (HAIs).
- Identify evolving public policy developments and their impact on HAI prevention.
- Compare and contrast differing approaches to controversial aspects of HAI prevention.
- Translate best methods in healthcare epidemiology, antibiotic stewardship, surveillance, prevention, and research into practice.
- Apply and evaluate appropriate antibiotic stewardship practices in acute and non-acute healthcare settings.
- Discuss current best practices in HAI prevention in individual clinical settings including Pediatrics and Long-Term Care.
- Apply practical strategies to effectively communicate healthcare epidemiology, HAI prevention and antibiotic stewardship knowledge and practices to patients, healthcare personnel and policy makers.

TARGET AUDIENCE

This conference is designed for physicians, infection preventionists, healthcare epidemiologists, infectious disease specialists, microbiologists, nurses, pharmacists, and other healthcare professionals interested in healthcare epidemiology, antibiotic stewardship, infection prevention, surveillance, research methods, patient safety, environmental issues and quality improvement.

PRE-CONFERENCE WORKSHOP

At the conclusion of this activity, participants should be able to:

- Review the basic principles of human factors engineering.
- Apply human factors engineering to healthcare related problems.
- Anticipate and mitigate the negative consequences that can occur when human factors are not included in the design of interventions.

SHEA/CDC TRAINING CERTIFICATE COURSE IN HEALTHCARE EPIDEMIOLOGY

At the conclusion of this activity, participants should be able to:

- Describe the process of surveillance for healthcare-associated infections and how to apply surveillance techniques and methods.
- Define modes of transmission and approaches to prevention and control of healthcare-associated infections and antimicrobial-resistant pathogens, as well as other emerging infections in the healthcare setting.
- Define the roles that the environment, cleaning, disinfection, and sterilization play in the cycle of transmission of infections to patients.
- Identify how infection prevention activities align with the disciplines of Healthcare Quality and Safety.
- Apply and define outbreak investigation techniques and evidence-based infection prevention strategies.
- Evaluate the unique approaches to infection prevention among special populations.

- Describe the role of leadership and clinical education in infection prevention efforts.
- Gain a working knowledge of the role of the healthcare epidemiologist in antimicrobial stewardship, occupational health, epidemiology research, the microbiology laboratory, and emergency preparedness.

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

At the conclusion of this activity, participants should be able to:

- Review the function of antimicrobial stewardship programs within healthcare institutions and identify effective strategies for partnering with other programs to champion stewardship
- Describe and evaluate components of effective antimicrobial stewardship programs and plan to implement these in their healthcare settings
- Discuss the role of both process and outcome measures in quantifying the impact of stewardship programs
- Learn to harness pharmacy data, microbiology data, and informatics to support antimicrobial stewardship activities
- Identify concepts from improvement science and change theory to enhance antimicrobial stewardship activities.

ACCREDITATION STATEMENT

The Society for Healthcare Epidemiology of America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

PHYSICIANS

The Society for Healthcare Epidemiology of America designates this live activity for a maximum of 25 *AMA PRA Category 1 Credit(s)*TM, the core conference sessions are designated for 21.25 credit hours and the pre-meeting workshop is an additional 3.75 credit hours. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



INTERNATIONAL PHYSICIANS

The American Medical Association has determined that physicians not licensed in the United States who participate in this continuing medical education activity are eligible for *AMA PRA Category 1 Credit(s)*TM.

ABIM MOC



ABIM MOC: All CME accredited sessions are also available for all attendees to earn American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) Points.

ABIM MOC STATEMENT

Successful Completion of this CME activity enables the participant to earn up to 25 MOC points, the core conference sessions are designated for 21.25 MOC points and the pre-meeting workshop is an additional 3.75 MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) Program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit. SHEA Spring 2019 physician participation information will be shared with ABIM through ACCME PARs.

Please note: SHEA Spring 2019 is currently not offering ABP MOC Points however SHEA will be researching this possibility for future conferences.

NURSES

This continuing nursing education activity was approved by the Virginia Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. Nurses who complete this activity will be awarded a maximum of 21.25 contact hours and the pre-meeting workshop is an additional 3.75 credit hours. Participants will be awarded continuing education commensurate with their participation in the educational activity with submission of an evaluation.

SUCCESSFUL COMPLETION STATEMENT

Participants are expected to claim only those hours spent in the educational activities approved for continuing education credit. Certificates of Attendance are provided to registered attendees based upon completion of the online evaluation. To complete the assessment and evaluation, attendees will need to sign into the Attendee Portal/Meeting App. **Please refer to page 4 for additional information on the evaluation.**

CONTENT VALIDATION STATEMENT

The Society for Healthcare Epidemiology of America accepts the following content validation statements and expects all persons involved in its professional education activities to abide by these statements with regard to any recommendations for clinical care.

All recommendations involving clinical medicine are based on evidence accepted within the profession of medicine as adequate justification for their indications and contradictions in the care of patients; AND/OR All scientific research referred to or reported in support or justification of a patient care recommendation conforms to generally accepted standards of experimental design, data collection, and analysis.

PHARMACISTS

(Credits only available for the SHEA Antibiotic Stewardship Training Course)



The continuing education activities for pharmacists have been developed through a joint providership of ProCE, Inc. and The Society for Healthcare Epidemiology of America. ProCE is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education (CPE). Participants attending the conference CPE activities may earn a maximum of 16.25 contact hours of CPE credit. Note: some of the CPE sessions are being held concurrently. The sessions offering ACPE credit are designated in the Program brochure with a UAN (Universal Activity Number) and hours of CPE credit. The release date for these CPE activities is April 24-26, 2019. Conference registration fees cover the cost of CPE credit.

Statements of completion will be issued at **www.ProCE.com** upon successful completion of the online CPE activity learning assessment(s) and activity evaluation(s). All learning assessment(s) and activity evaluation(s) must be completed no later than **May 24, 2019**. No partial credit will be given for any individual session. Conflict of interest disclosures are required of all faculty and shall be provided to all participants at the conference.

COMMERCIAL SUPPORTERS

The SHEA Spring 2019 Conference: Science Guiding Prevention is supported in part by educational grants from the following companies:

Merck & Co, Inc

Pfizer, Inc.

In accordance with the Accreditation Council for Continuing Medical Education's (ACCME) Standards for Commercial Support for Continuing Medical Education, all faculty and planning partners must disclose any financial relationship(s) or other relationship(s) held within the past 12 months relevant to the content presented. SHEA identifies and manages all conflicts of interest prior to delivering the educational activity to learners.

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PHYSICIANS AND NURSES

CME, CNE, and Attendance Certificates are provided to registered attendees based upon the completion of the online evaluation. To obtain *AMA PRA Category 1 Credits™* or CEU credits, attendees will need to download the Conference Meeting App or visit the attendee portal.

- Once logged in, click on the “Conference Evaluation” button and follow the steps below.
- Select what types of credit(s)/ certificate you wish claim.
- Select the “Evaluate” button for every session you attended. To receive accurate credit, you will need to complete an evaluation for all the sessions you attended.
- Once you have evaluated all sessions, select the “Start” button for the 2019 Overall Conference Evaluation at the top of the page.
- When you are finished with the “Overall Conference Evaluation,” click the “Access Certificates” button to view, download and/or email your certificates.
- **The deadline for claiming credit is June 27, 2019.**

TRACK CERTIFICATE

Within the “Overall Conference Evaluation,” attendees will be asked if they participated in **one** of the Training Courses during the Conference.

Once selected, and upon request, your printed Training Course Certificate of completion will be mailed post event.

ACCESS PRESENTATIONS ONLINE

As a registrant, you are able to access all presentations within the meeting app.

Please note: Presentations are uploaded by presenters. In some cases, this will be after the conference. Some presenters have also chosen not to have their presentation available to attendees.

REQUESTING ABIM MOC POINTS

Physicians who wish to receive ABIM MOC points must complete additional questions in the overall conference survey. A review of your essay responses will be conducted to ensure engagement in the activity. The passing standard for receiving ABIM MOC points is a minimum of 2 to 3 sentences equaling over 150 characters per essay response. The deadline for claiming points is June 27, 2019. A notification email will be sent after the deadline confirming any awarded ABIM MOC Points equal to the amount of CME credits claimed. You will receive notification when the points have been accepted by ABIM and you will be able to view your points within your ABIM profile. If you have any questions related to your ABIM MOC points, please contact Jessica Johnson, Director of Education and Meetings at jjohnson@shea-online.org

PHARMACISTS

CE Activity Evaluation and Credit Instructions

1. To receive CE credit for the activities at this conference, you must complete the post-tests and evaluations online **no later than Friday, May 24, 2019**.
2. Visit www.ProCE.com/evaluation.
3. Select the **Evaluation** button which is listed with the **SHEA Spring 2019 Conference – April 24 – 20, 2019** CE activity.
4. Login to the ProCE CE Center. *NOTE: You will need to sign up for a new account if you have not previously used the ProCE CE Center.*
5. Click the **Enroll Now** button then enter the Attendance Codes for all of the CE sessions you attended. *NOTE: Each session has a unique attendance code.*
6. Take the post-test, complete the evaluation, and claim CE credit. *NOTE: Complete the post-tests, evaluations, and claim CE credit only for the sessions you attended.*
7. If you need assistance or have questions, please contact ProCE at 630-540-2848 or via email at info@proce.com.

ATTENDEE MEETING APP

Download the SHEA Spring 2019 Meeting App today. The app contains everything you need to know about the meeting, at your fingertips:

- All Session Presentations
- Oral Abstract Presentations
- Poster Abstract Presentations
- Presenter/Speaker Information
- Daily Agenda for you to create your own schedule
- Special Events during the conference
- Floor Plans to locate all sessions and events
- General Conference Information
- Access and complete your Conference and Session Evaluations to download your CME, CNE, ABIM MOC and Attendance Certificates.

You can also view the same information online through the SHEA Spring 2019 Attendee Portal at www.sheaspring.org/attendeeportal.

CREDIT TRACKER

Pre-Conference Workshop

Time	Title	CME, CNE, MOC	Credits Earned
Tuesday, April 23			
2:00 - 2:15 p.m.	<i>Workshop Overview and Introductions</i>	0.25	
2:15 - 2:30 p.m.	<i>Case Presentation: Reducing CLABSI</i>	0.25	
2:30 - 3:00 p.m.	<i>Table/Group Discussions</i>	0.5	
3:00 - 3:45 p.m.	<i>Revisiting the Case with a Human Factors Engineering Approach Introduction to Human Factors Engineering: Perspective on Meaningful Improvement</i>	0.75	
4:00 - 4:30 p.m.	<i>Human Factors in Healthcare: Real-World Examples</i>	0.5	
4:30 - 5:00 p.m.	<i>Reverse Engineering: How to Prevent Solutions from Becoming Problems</i>	0.5	
5:00 - 5:30 p.m.	<i>Application</i>	0.5	
5:30 - 6:00 p.m.	<i>Group Discussion</i>	0.5	

Full Conference Sessions

Time	Title	CME, CNE, MOC	Credits Earned
Wednesday, April 24			
8:00 - 9:30 a.m.	<i>Opening Plenary: Teach Me How to Do That</i>	1.5	
10:00 - 12:00 p.m.	<i>Antibiotic Stewardship Globe Trotters</i>	2	
	<i>Interesting Cases in Infection Prevention</i>		
1:30 - 2:30 p.m.	<i>Pro/Con: Publicly Reported HAI Outcomes: Beneficial or Bogus?</i>	1	
2:45 - 4:00 p.m.	<i>Won't You Be My Mentor?</i>	1.25	
	<i>Where are We Now?</i>		
4:15 - 5:45 p.m.	<i>Going Where the Action Is: Infection Prevention Concerns in Ambulatory Settings</i>	1.5	
Thursday, April 25			
8:00 - 9:30 a.m.	<i>Culture - Why it Matters</i>	1.5	
10:00 - 12:00 p.m.	<i>Putting the Fun in Unfunded: Regulatory Requirements in Post-Acute & Long-Term Care Settings</i>	2	
	<i>Worries with Water</i>		
1:30 - 2:30 p.m.	<i>Plenary: Antibiotic Stewardship Outside of Healthcare</i>	1	
2:45 - 4:00 p.m.	<i>Sepsis...A Seat at the Table</i>	1.25	
	<i>What's New in SSI Prevention?</i>		
4:15 - 5:45 p.m.	<i>Tackling the Fecal Patina: It Takes More than a Mop</i>	1.5	
Friday, April 26			
8:00 - 9:30 a.m.	<i>Ebola 5 Years Later: Applying Lessons Learned from the Biocontainment Units to the Ward</i>	1.5	
	<i>Qualitative and Mixed-Methods Research Strategies with a Practical Twist for Infection Prevention</i>		
10:00 - 12:00 p.m.	<i>HAI in Pediatrics 2019</i>	2	
1:30 - 2:30 p.m.	<i>Pro/Con: Is It Time to Change the Dress Code? Contact Precautions for MRSA and VRE in Pediatrics</i>	1	
	<i>Joint APIC Session: SSI Prevention Strategies: IP in the OR</i>		
2:45 - 4:00 p.m.	<i>Pro/Con: Diagnostic Stewardship for C. difficile - Are We Building Our Own Latrine?</i>	1.25	
4:15 - 5:15 p.m.	<i>Closing Plenary: The Importance of Diversity in Our Partnerships</i>	1.0	

SHEA/CDC Training Course in Healthcare Epidemiology

Time	Title	CME, CNE, MOC	Credits Earned
Wednesday, April 24			
10:15 – 11:15 a.m.	<i>Healthcare Epidemiology: Introduction to an Emerging Field</i>	1	
11:15 – 12:00 p.m.	<i>Transmission of Infectious Agents in Healthcare Settings</i>	0.75	
1:30 – 2:30 p.m.	<i>The Compendium Strategies for Preventing HAI's</i>	1	
2:45 – 3:15 p.m.	<i>Practical Strategies for Surveillance</i>	0.5	
3:15 – 4:00 p.m.	<i>Environment and Cleaning</i>	0.75	
4:15 – 4:45 p.m.	<i>Sterilization & Disinfection</i>	0.5	
4:45 – 5:45 p.m.	<i>The Science of Safety</i>	1	
Thursday, April 25			
8:00 – 9:00 a.m.	<i>NHSN Measures: Learning Risk Adjustment and Assessing Prevention Impact</i>	1	
9:00 – 9:30 a.m.	<i>SHEA/CDC Outbreak Response Training Program</i>	0.5	
10:00 – 10:45 a.m.	<i>Approach to Epidemic/Outbreak Investigation</i>	0.75	
10:45 – 11:15 a.m.	<i>Problem Session: Outbreak in the OR</i>	0.5	
11:15 – 12:00 p.m.	<i>Unique Aspects of Pediatric Infection Control</i>	0.75	
2:45 – 3:45 p.m.	<i>Post-Acute Care and Long-Term Care: Changing the National Landscape and Infection Prevention</i>	1	
3:45 – 4:45 p.m.	<i>Bad Bugs: An Overview of Antibiotic Resistance</i>	1	
5:00 – 5:45 p.m.	<i>Overview of Antibiotic Stewardship</i>	0.75	
Friday, April 26			
8:00 – 8:45 a.m.	<i>Leadership and Communication Skills</i>	0.75	
8:45 – 9:30 a.m.	<i>The Hospital Epidemiologist as a Clinical Educator</i>	0.75	
10:00 – 11:00 a.m.	<i>Occupational Infection Prevention</i>	1	
11:00 – 12:00 p.m.	<i>The Role of the Laboratory in Healthcare Epidemiology</i>	1	
1:30 – 2:00 p.m.	<i>How to Read a Study & Perform Research</i>	0.5	
2:00 – 2:30 p.m.	<i>Business of Infection Prevention</i>	0.5	
2:45 – 3:15 p.m.	<i>Regulatory & Emergency Preparedness</i>	0.5	
3:15 – 4:00 p.m.	<i>Putting It All Together</i>	0.75	
5:30 – 6:00 p.m.	<i>Group Discussion</i>	0.5	

SHEA Antibiotic Stewardship Training Course CE

Time	Title	CPE Credits	ACPE UAN	Attendance Code (Only required for CPE)	Credits Earned
Wednesday, April 24					
10:00 – 12:00 p.m.	<i>Breakout Session: Ready, Set, Go: Antibiotic Stewardship in Action: General Acute Care Stewardship</i>	2	0221-9999-19-135-L04-P		
	<i>Breakout Session: Ready, Set, Go: Antibiotic Stewardship in Action: Special Populations</i>		0221-9999-19-136-L04-P		
1:30 – 2:00 p.m.	<i>Here and Now: The Impact of Drug Shortages on Antibiotic Stewardship</i>	0.5	0221-9999-19-137-L04-P		
2:00 – 2:30 p.m.	<i>The Steward's Achilles Heel: Pharmacokinetics/ Pharmacodynamics</i>	0.5	0221-9999-19-138-L01-P		
2:45 – 3:30 p.m.	<i>An Update on Duration of Therapy and Therapeutic Monitoring: Our Role as Stewards</i>	0.75	0221-9999-19-139-L01-P		
3:30 – 4:00 p.m.	<i>Tackling Liability Issues in Antibiotic Stewardship</i>	0.5	0221-9999-19-140-L03-P		
4:15 – 5:45 p.m.	<i>Making the Data Talk and Translating It into Action</i>	1.5	0221-9999-19-141-L04-P		
Thursday, April 25					
8:00 – 8:45 a.m.	<i>The Second Achilles Heel: Microbiology for the Steward</i>	0.75	0221-9999-19-142-L01-P		
8:45 – 9:30 a.m.	<i>Own the Test, Don't Let the Test Own You: Rapid Diagnostics and Stewardship</i>	0.75	0221-9999-19-143-L01-P		
10:00 – 10:45 a.m.	<i>Challenging Cases: Gram Negative Infections</i>	0.75	0221-9999-19-144-L01-P		
10:45 – 11:15 a.m.	<i>Challenging Cases: Gram Positive Infections</i>	0.5	0221-9999-19-145-L01-P		
11:15 a.m. – 12:00 p.m.	<i>Antibiotic Allergies: The Gift that Keeps on Giving</i>	0.75	0221-9999-19-146-L01-P		
2:45 – 3:15 p.m.	<i>Telemedicine Opportunities in ASP: Thinking Outside the Box</i>	0.5	0221-9999-19-147-L04-P		
3:15 – 4:00 p.m.	<i>Stewardship Case Studies in Long Term Care</i>	0.75	0221-9999-19-148-L04-P		
4:15 – 5:00 p.m.	<i>The Never Events: Managing Provider and Patient Expectations</i>	0.75	0221-9999-19-149-L04-P		
5:00 – 5:45 p.m.	<i>Pro/Con: Human vs Machine - Most Bang for Your Buck?</i>	0.75	0221-9999-19-150-L04-P		
Friday, April 26					
10:00 – 11:00 a.m.	<i>Case Study: Stewardship and C. difficile Infection – Where are we now?</i>	1	0221-9999-19-151-L01-P		
11:00 – 11:30 a.m.	<i>Is the Frontline the Next Frontier of ASP?</i>	0.5	0221-9999-19-152-L04-P		
11:30 a.m. – 12:00 p.m.	<i>Case Study: Adult Case: Interventions to Improve Management of Urinary Tract Infections</i>	0.5	0221-9999-19-153-L01-P		
1:30 – 2:00 p.m.	<i>There's an App for That: Role of Decision Support Tools & Informatics</i>	0.5	0221-9999-19-154-L04-P		
2:00 – 2:30 p.m.	<i>Case Study: Developing ASP in Ambulatory Care</i>	0.5	0221-9999-19-155-L04-P		
2:45 – 4:00 p.m.	<i>Transitions of Care</i>	1.25	0221-9999-19-156-L01-P		

SHEA MENTORSHIP BREAKFAST *(Invited Only)*

Wednesday, April 24, 7:00 – 7:50 a.m., *Commonwealth Ballroom*

SHEA Mentors and Mentees will gather as the kickoff to the SHEA Mentorship Program. This Program is designed to create a strong networking community; providing and enhancing the SHEA membership experience at all levels (e.g. student, fellow, junior faculty and practitioners). The mentoring program seeks to cultivate supportive and mutually rewarding relationships between the mentee and mentor that can be carried forward beyond SHEA Spring 2019. As the mentee seeks advice and support with career development and goal achievement, the mentor will provide guidance and help the mentee set and attain goals, as well as offer encouragement. Mentors have the satisfaction of sharing their experience and wisdom. As in any teaching relationship, the teacher often benefits from new insights and rejuvenated enthusiasm. This breakfast is open only to registered SHEA Mentors, SHEA Mentees, and SHEA Leaders.

Mentors

Mayar Al Mohajer, MD, MBA, CPHQ
 Muhammad Ashraf, MBBS
 Meghan Baker, MD, ScD
 Noleen Bennett, PhD
 Susan Bleasdale, MD
 Lou Ann Bruno-Murtha, DO
 Kristina Bryant, MD
 Michael Calderwood, MD, MPH
 David Calfee, MD, MS
 Bernard Camins, MD, MSc
 Mary Catanzaro, RN, BSMT, CIC
 Minjung Cho, RN
 Philip Chung, MS, PharmD
 Maria Claudia Stockler de Almeida, MD, PhD
 Elaine Cloutman-Green, PhD, FRCPath
 Rajesh Damodaran,
 Kristin Dascomb, MD, PhD
 Mamta Desai, BS, MBA
 Marci Drees, MD, MS
 Neil Fishman, MD
 Susan Fletcher-Gutowski, MS, BSMT, CFFPH, CIC
 Scott Fridkin, MD
 Cecilia Fumberg, MD
 Kathleen Gase, MBA, MPH, CIC
 Jim Gauthier, MLT, CIC
 Sarah Haessler, MD
 Joan Hebden, MS, RN, CIC
 Lauri Hicks, DO
 Susy Hota, MD, MSc
 Vincent Hsu, MD, MPH
 Kevin Hsueh, MD
 Nicole Iovine, MD, PhD
 Jesse Jacob, MD
 Nkwan Jacob Gobte, BNS, MPH
 Waleed Javaid, MD
 Robin Jump, MD, PhD
 JaHyun Kang, PhD, MPH
 Keith Kaye, MD, MPH
 Hong Bin Kim, MD
 Amy Beth Kressel, MD, MS
 Tsun Sheng Ku, MD
 Kristi Kuper, PharmD, BCPS
 Barbara Lamb, MD, MPH
 Grace Lee, MD, MPH
 Surbhi Leekha, MBBS, MPH
 Matt Lnam, MD, MS
 Monica Mahoney, PharmD, BCPS, AQ-ID, BCIDP
 Anurag Malani, MD

Paul Mann, BSc,BS, M(ASCP), CIC
 Supriya Mannepilli, MBA,MBBS,MD
 Lisa Maragakis, MD,MPH
 Richard Martinello, MD
 Trini Mathew, MD, MPH
 Aaron Milstone, MD MHS
 Bassel Molaeb, MPH, CIC, FAPIC
 Thuzar Myint, Dr
 Chris Nyquist, MD, MSPH
 Keiko Okita, MD
 Belinda Ostrowsky, MD, MPH
 April Palmer, MD
 Helene Paxton, MS,MT(ASCP),PhD,CIC
 Trish Perl, MD, MSc
 Clare Rock, MD MS
 Sharon Salmon, BN, MPH, PhD
 Julia Sammons, MD, MSCE
 Mary Beth Saunders, DO, MPH
 Josh Schaffzin, MD, PhD
 Edward Septimus, MD
 Gita Shah, MD
 Jana Shaw, MD,MPH,MS
 Andressa Silveira,
 Graham Snyder, MD, SM
 Kyoung-Ho Song, MD, PhD
 Xiaoyan Song, PhD, MBBS
 Keith St John, MS, CIC, FAPIC
 Eddie Stenehjem, MD, MSc
 Michael Stevens, MD, MPH
 Angela Sukstorf, MD, MS
 Arnefelina S. Tamayo Tamayo, BSN, MSN, MAN, RN
 Kavita Trivedi, MD
 August Valenti, MD
 David Warren, MD, MPH
 David Weber, MD, MPH
 Sharon Wright, MD, MPH
 Shanta Zimmer, MD

Mentees

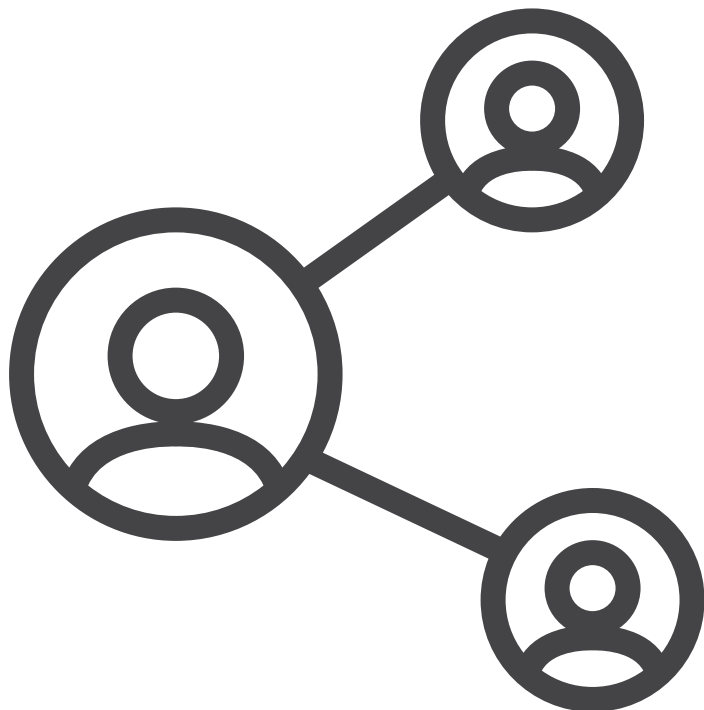
Ahmed Abdul Azim, MD
 Nicolas Abella, DNP, MBA, RN, BSN, CCRN
 Sonali Advani, MD, MPH
 Carlos Agudelo, MD, MSc
 Syed Ahmad, MD
 Laila Alawdah, MBBS
 Mohammed Alsaheed, MD
 Sarah Altamimi, MD
 Ahmed Babiker, MBBS
 Sarah Baron, MD, MS
 Rachana Bhattarai, BVSc&AH, MS, PhD, CIC
 Tanaya Bhowmick, MD
 Ana C. Blanchard, MDCM, MSc, FRCPC
 Erin Boswell, MD
 Christina Brandenburg, MPH
 Andrew Bratsman, BS
 Audrey Brezak, MPH
 Rachel Britt, PharmD
 Peggy Brown, MPH, CIC
 Julianne Burns, MD
 Luz Caicedo, BS, MPH
 Amy Chang, MD, PharmD
 Shih-Ni Chang, PhD Candidate
 Songting Chen, Master
 Ana Circa, MD
 Kimberly Claeys, PharmD
 Maggie Collison, MD
 Jesse Couk, MD
 Thara Damodaran, MD
 Lana Dbeibo, MD
 Annabelle de St. Maurice, MD, MPH
 Esteban DelPilar, MD
 Erika Dierix, PharmD
 Michelle Doll, MD, MPH
 Shara Epstein, MD
 Larissa Esteves,
 Baevin Feeser, MPH
 Kap Sum Foong, MD
 Kahoru Fukuoka, MD
 Shipra Goel, MBBS, MD, DNB
 Michi Goto, MD, MSCI
 Lindsey Gottlieb, MD
 Swathi Gowtham, MD
 Zita Guerrero, BSN, RN, MSHS, CCHP
 Keisha Gustave, B.Ed, BScN
 Dip IPC
 Valeria Midori Gutoski Yuki,
 Karen Ha, MD
 Ahmed Hamdi, MD
 Shaina Hecht, MD
 Jessica Howard-Anderson, MD
 Wenzhi Huang, Master

Holly Jessop, MS, MSPH, PhD
 Sheetal Kandiah, MD, MPH
 Mirji Kang, MD
 Murphy Kathleen, MD
 Sophie Katz, MD
 Miseo Kim, RN
 Jieun Kwak, RN
 Jason Kwong, MBBS, BMedSci, FRACP, PhD
 Sarah Labuda, MD, MPH
 Beatriz Larru Martinez, MD, PhD
 Matthew Lee, MD
 Rachael Lee, MD
 Annick Lenglet, Bsc. MSc. MAE
 Vivian Leung, MD
 Jessie Leyse, MD, MPH
 Christina Liscynesky, MD
 Deborah Lockhart, BSc, BDS, MFDS, RCSEd, FRCPath, PhD
 Catherine Ludden, BSc, PhD
 Zoe Lynch, BSN, RN, PHN, CIC
 Theresa Madaline, MD
 Dayana Maita, MD
 Nelius Makandu, BSN
 Gladys Martinez, BS
 Preeti Mehrotra, MD, MPH
 Alfredo Mena Lora, MD
 M. Nael Mhaisen, MD
 Vidya Mony, DO
 Supriya Narasimhan, MD
 Nosheen Nasir,
 Bhagyashri Navalkale, MD
 Liesel Nelson, MLS (ASCP)
 Kevin O'Callaghan, MB, BCh, BAO
 Luke Onuorah, MD, MPH
 Shahana Parveen, MSS
 Senthuri Patamalingam, BSc, MPH
 Priti Patel, MD, MPH
 Dana Pepe, MD, MPH
 Jacob Pierce, MD
 Kristin Privette, MPH
 Danielle Rankin, MPH, CIC
 Barry Rittmann, MD
 Kylie Robb, MHSM, CICIP-P
 Candace Rogers, MSN, RN, CIC
 Elie Saade, MD, MPH
 Rushika Saksena, MBBS, MD
 Aki Sakurai, MD
 Sarimer Sanchez, MD
 Sarah Schaefer,

Jonathan Schouest, MPH, CIC, CPHQ
 Gregory Schrank, MD MPH
 Kate Schultz, RN, MPH
 Jessica Seidelman, MD
 Kristy Shaeer, BA, PharmD, MPH, BCIDP, AAHIVP
 Sima Sharara, MD
 Katy Short, MPH
 Anna Sick-Samuels, MD, MPH
 Xiang Ying Jean Sim, MBBS, Mmed
 Alison Simms, MHS, CIC
 Jacob Smith, MD, MPH
 Suwannee Srisatidnarakul, RN, MSN, CIC
 Stephanie Sterling, MD MPH
 Paula Strassle, MPSH
 Hiroyuki Suzuki, MD
 Elizabeth Swanson, DO
 Susanna Tan, MD
 Rudy Tedja, DO
 Nisha Thampi, MD, MSc
 Nicole Vissichelli, MD
 Gregory Weston, MD, MSCR
 Zanthia Wiley, MD
 Kerry Williams Tuckett, Master's IPC
 Michael Yarrington, MD
 Matthew Ziegler, MD, MSCE

NEW! TARGETED NETWORKING BREAKS

New for 2019, networking breaks to enhance attendee interaction with each other and SHEA leadership. All events will take place in the Grand Ballroom Foyer from 9:30 – 10:00 a.m. unless otherwise noted.



SHARE YOUR THOUGHTS AT THE SHEA SPRING INTO ACTION CENTER

Share your thoughts at the Spring Into Action Center! Visit the graffiti wall in the Grand Ballroom Foyer to share your thoughts and feedback in response to core questions! The questions change every day, so be sure to visit throughout the entire conference!

All your responses will be shared with SHEA Leadership and represent an important way for you to provide valuable feedback for future SHEA plans. Thanks in advance for your thoughtful participation!

WEDNESDAY - DISCOVER SHARED INTERESTS

Utilize the first Networking Break of SHEA Spring 2019 to connect you with fellow attendees. Grab coffee and get to know those working to advance healthcare epidemiology, antibiotic stewardship, and infection prevention with you in:

- Research/Publication
- Pediatrics
- Long-Term Care
- Community-Based Care
- International Practice

THURSDAY - PACCARB DISCOVERY AND FSHEA RECOGNITION

PACCARB DISCOVERY

The PACCARB is charged with providing recommendations to the Secretary of Health and Human Services (HHS) on issues related to antibiotic resistance through a One Health perspective. As such, their 5 reports, to date, emphasize that the health of people is connected to the health of animals and the environment. Come learn about what we do and how we help inform the U.S. Government's policy process. Also, check us out online at www.hhs.gov/oash/carb.

FELLOW OF SHEA RECOGNITION

Fellows of SHEA are an elite group of members that have achieved this special recognition in the field of healthcare epidemiology through either the academic or clinical tracks. This year, we decided to dedicate a networking break for them, to provide an opportunity for those members to network with each other and provides an additional recognition opportunity to those that apply to and are accepted as a Fellow of SHEA. This fellows networking break will be held in the Foundation Lounge (Room: Commonwealth Ballroom C).

FRIDAY - SHEA LEADERSHIP MEET & GREET

Every year, attendees point out that for them, attending SHEA Spring feels like "coming home". You're invited to join the SHEA Board of Trustees and SHEA Executive Director at the Membership Booth to say hello, give feedback, ask questions, chat, and sip a coffee – the format is yours. Reach out and connect with us. We look forward to seeing you there.

POSTER LUNCH PRESENTATIONS

Selected abstract posters will be presented, during lunch, each day of the conference from noon to 1:30 p.m. in the Exhibit/Poster Hal. There will be time during these lunch sessions to explore the posters and meet with the authors. The top **thirty-five** abstracts selected by the review committee are identified with a "SHEA Abstract Award" ribbon.



POSTER TOPICS

Wednesday, April 24

- CAUTI
- CLABSI
- *C. diff*
- Disinfection/Sterilization
- Environmental Cleaning
- Long-Term Acute Care
- Pediatrics
- SSI

Thursday, April 25

- Antibiotic Stewardship
- Implantation Science
- Diagnostic/Microbiology

Friday, April 26

- Hand Hygiene
- Long Term Care
- MDR-GNR
- MRSA/VRE
- Outbreaks
- Occupational Health
- Surveillance/Public Health

SHEA EPI COMPETITION BREAKFAST

Thursday, April 25, 6:30 – 7:50 a.m.,
Grand Ballroom

Join us on Thursday morning for the annual SHEA Epi Project Competition. Funded by the SHEA Research and Education Foundation, this competition will award up to \$20,000 in grants to early investigators in the field of healthcare epidemiology research. Winning proposals will be carefully chosen among a pool of finalists competitively selected prior to the competition. These finalists will deliver oral presentations based on their proposals. An anonymous panel of judges will evaluate and score the finalists' presentations based on how the proposed research project will shape our understanding of transmission of healthcare-associated infections and identify the best prevention methods and implementation science.

The judges will deliberate, and the winner will be announced at the April 25 afternoon plenary session.

The finalists are:
Jason P. Burnham, MD
Lauren Dutcher, MD, MS
Dustin R. Long, MD
Gregory Schrank MD, MPH
Michael Yarrington, MD

Interact with the Speaker:
How to use ARS

WEBSITE ADDRESS: shea.cnf.io

Step 1: Enter the website URL in your browser



Step 2: Choose a Session



Step 3: Respond to Polls when they Appear



Respond to Polls when they appear

You can also access the ARS Site through the Conference Meeting App! When in the App, navigate to the left side panel, click ARS Link, and you will be directed to this site.



Goldman



Lee



Wright

5TH ANNUAL SHEA EDUCATION AND RESEARCH FOUNDATION DINNER

Thursday, April 25, 6:00 – 9:30 p.m., *Spirit, Boston Harbor Cruise*

The SHEA Education & Research Foundation is hosting the annual Foundation Dinner during SHEA Spring 2019. We invite you to join your fellow colleagues for a delightful evening for fun, entertainment, and thought-provoking presentations! This year features presentations on explore the topic of integrating patient safety and quality with infection prevention and antibiotic stewardship. The pairing of the perspectives and stories of **Drs. Don Goldman and Grace Lee**, with moderator **Dr. Sharon Wright** will make for an engaging event! This is a ticketed event. If you did not purchase a ticket in advance, a limited number of tickets are available for purchase at Registration until 5:00 p.m. Wednesday, April 24.

Please note: The Harbor is walkable from the hotel and no transportation will be provided. SHEA Staff will be guiding the walking way starting in the Westin Lobby. Please arrive no later than 6:45 p.m. for boarding. No refund will be provided to those who miss the boat's departure.



CONSIDER A DONATION TO SHEA'S EDUCATION & RESEARCH FOUNDATION

SHEA is committed to providing members what they need to be leaders in their facilities — now and into the future. Membership dues cover only a small percentage of what SHEA needs to provide these valuable tools and opportunities. We need the help and commitment from all members to continue to recruit and transform SHEA members into SHEA leaders, and to help train the next generation of healthcare epidemiologists.

Please visit www.shea-online.org/Foundation/Donate.aspx to find out how to make an online tax-deductible donation or email lbrady@shea-online.org to make your donation.



SHEA WOMEN IN EPI BREAKFAST

Friday, April 26, 6:30 – 7:50 a.m.
Commonwealth Ballroom

Women in the field of Healthcare Epidemiology are encouraged to attend a Women's only breakfast during the conference. Women are increasingly entering the field of healthcare epidemiology but have few opportunities to meet and discuss the challenges. This event will feature a speaker on the unique challenges women face when discussing and negotiating compensation. Additionally, it will allow for a facilitated discussion from within similar career paths of what has worked and what has not worked, to share lessons learned and role play ideas. This breakfast will be a chance to connect with your peers and hear from SHEA women leaders and gain confidence around this important topic. We hope to see all the women attendees there!

GINA PUGLIESE SCHOLARSHIP AWARDEES

The Gina Pugliese Scholarship was established by SHEA to promote the training of a non-physician infection preventionist (IP) who has shown outstanding interest and leadership in the field or works in a resource limited setting. SHEA established this scholarship in the memory of Gina Pugliese, RN, MS, a prominent IP and leader in the field of healthcare epidemiology. Ms. Pugliese was a founding faculty member of the SHEA/CDC Training Certificate Course in Healthcare Epidemiology and co-chair for fifteen years.



Keisha Gustave

IN MEMORIAM GINA PUGLIESE, RN, MS (1948-2019)

With great sadness, SHEA notes the loss of Gina Pugliese, a founding-Editor of ICHE and long-term Editorial Board member, and committed contributor to SHEA. Throughout her career, Gina helped shape the practice of Infection Control, bringing innovation and leadership to the field. Her gentle advice and tireless efforts to make healthcare settings a safer place for patients and staff will be greatly missed.

BILL RUTALA SCHOLARSHIP AWARDEES

The Bill Rutala Scholarship was established by SHEA to promote the training of a non-physician interested in the research of healthcare-associated infections. SHEA established this scholarship in honor of William Rutala, MS, MPH, PhD a prominent SHEA leader the field of healthcare epidemiology research. Dr. Rutala was the SHEA Lectureship awardee in 2012 and has worked tirelessly researching areas such as disinfection, sterilization, cross-infection, healthcare-associated infections, outbreaks, and antibiotic-resistant pathogens.



Andrea L. Ankrum, MS, MS, MT(ASCP), CIC



Paula D. Strassle, MSPH



Elaine Cloutman-Green, PhD

JOHNATHAN FREEMAN SCHOLARSHIP AWARDEES

The Jonathan Freeman Scholarship was established by SHEA to promote the training of outstanding infectious disease fellows who demonstrate interest in the field of healthcare epidemiology. The society established the scholarship in the memory of Jonathan Freeman, MD, MPH, a teacher and researcher in the field of healthcare epidemiology dedicated to improving the delivery of healthcare through the prevention of nosocomial infections. Dr. Freeman was a founding faculty member who for a decade taught the epidemiology and statistics track of the course.



Ana C. Blanchard, MD, CM, FRCPC



Rebecca Same, MD



Jessica Seidelman, MD



Ahmed Babiker, MBBS



Kap Sum Foong, MD



Aki Sakurai, MD

SPEAKER READY ROOM

Quincy

Tuesday, April 23, 1:00 – 5:30 p.m.

Wednesday April 24, 6:30 a.m. – 5:30 p.m.

Thursday, April 25, 6:30 a.m. – 5:30 p.m.

Friday, April 26, 6:30 a.m. – 4:00 p.m.

Quincy serves as the speaker ready room for presenters to review presentations as well as check for any last-minute issues. Professional audiovisual staff will be available in the speaker ready room to provide assistance. Speakers are required to arrive at the room they are presenting in,

30 minutes before their session starts to meet with the moderator of the session.

Please note: Any changes made to your presentation needs to be uploaded one day before your session in the Speaker Ready Room. We recommend any changes made day of to be mentioned verbally during your presentation.

SESSION CHANGES

SHEA will display a message board in the registration area (Grand Ballroom Foyer), which will display daily session changes.

POSTER VIEWING HOURS

Posters are available for viewing in the Exhibit/Poster Hall. Viewing hours are listed below.

Wednesday April 24, 11:30 a.m. – 7:00 p.m.

Thursday, April 25, 7:00 a.m. – 6:00 p.m.

Friday, April 26, 7:00 a.m. – 1:30 p.m.

Posters will only have presentations during lunch Wednesday through Friday from 12:00 – 1:30 p.m.

SHEA PUBLIC HEALTH SCHOLARSHIPS AWARDEES

The SHEA Education & Research Foundation (SHEA/ERF) established SHEA/ERF Public Health Scholarships to promote the training and advancement of public health professionals who work in various capacities related to infection prevention and antibiotic stewardship within public health systems. The creation of these scholarships demonstrates a commitment by SHEA/ERF to strengthen relationships between SHEA members who serve as leaders healthcare infection prevention/ antibiotic stewardship teams and public health professionals. Additionally, SHEA/ERF is committed to improving awareness and expertise on infection prevention, HAIs, and antibiotic stewardship of professionals who serve at the public health level. The scholarships are a part of a larger investment the SHEA/ERF is making to focus on Public Health and the role they play in both infection and antibiotic stewardship.



Rachana Bhattarai,
PhD, MS, CIC, Arizona
Department of Health
Services
Phoenix, AZ



Allison Gosbin, BSN,
RN, CIC, Eau Claire
City-County Health
Department
Eau Claire, WI



Holly Jessop, PhD, MS,
California Department of
Public Health
Richmond, CA



Sarah Labuda, MD,
MPH, Arkansas
Department of
Health
Little Rock, AR



Meghan Maloney, MPH,
Connecticut Department
of Public Health
Hartford, CT



Julie Paoline, MA, CPHA,
CIC, Pennsylvania
Department of Health
Brookhaven, PA



Kristin Privette, MPH
Philadelphia Dept. of
Public Health
Philadelphia, PA



Danielle Rankin,
MPH, CIC, Florida
Department of
Health
Orlando, FL

REGISTRATION

Grand Ballroom Foyer

Tuesday, April 23, 1:00 – 6:15 p.m.

Wednesday April 24, 6:00 a.m. – 6:00 p.m.

Thursday, April 25, 6:30 a.m. – 5:30 p.m.

Friday, April 26, 6:30 a.m. – 4:15 p.m.

INTERNET CONNECTION

Wireless connection is provided in meeting rooms at the Westin and Convention Center.

Westin WiFi

Username: **westin_conference**

Password: **SHEAspring2019**

Convention Center WiFi

No Password required. Connect to:

BCEC Wireless Network

SHEA FOUNDATION DONOR LOUNGE

Commonwealth Ballroom C

New this year, there is a lounge for anyone who donated \$100 or more to SHEA's Education and Research Foundation. In the lounge, you can relax, charge your devices, and meet other SHEA donors. Lounge hours are below.

Wednesday April 24, 9:30 a.m. – 4:00 p.m.

Thursday, April 25, 9:30 a.m. – 4:00 p.m.

Friday, April 26, 9:30 a.m. – 4:00 p.m.

INTERNATIONAL LOUNGE

Commonwealth Ballroom A

This is a lounge for all International attendees to mingle and get acquainted with one another. Lounge hours are below.

Wednesday April 24, 9:30 a.m. – 4:00 p.m.

Thursday, April 25, 9:30 a.m. – 4:00 p.m.

Friday, April 26, 9:30 a.m. – 4:00 p.m.

INTERNATIONAL AMBASSADORS PROGRAM WINNERS

In its eleventh year, the International Ambassadors Program (IAP) builds collaborative relationships between U.S. and international healthcare professionals with expertise in healthcare epidemiology and infection prevention. The International Ambassadors Program seeks candidates with 5 to 20 years of experience in order to allow for those more advanced in their career to attend as well. Since 2009, SHEA has partnered with 3M to benefit the international community of healthcare professionals dedicated to infection prevention through our International Ambassadors Program.



Songting Chen,
Master
China



Catherine Ludden,
BSc, PhD
United Kingdom



Kerry Williams,
Master
St. Kitts



Shipra Goel,
MBBS, MD, DNB
India



Wenzhi zuang,
Master
China



Annick Lenglet,
BSc, MSc, MAE
The Netherlands



Sharon Salmon,
RN, MPH, PhD
Singapore



Noleen Bennett,
PhD
Australia



Kahoru Fukuoka,
MD
Japan



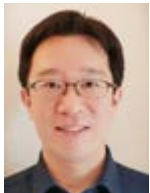
Nosheen Nasir,
MBBS, MRCP, FCPS
(Med), FCPS (ID),
MSc, EB, Pakistan



Kylie Robb, MHSM,
CIC-P
Australia



Rushika Saksena,
MD
India



Kyoung-Ho
Song, MD,
PhD
Republic of
Korea



Arnefelina Tamayo,
BSN, RN, MSN,
MAN
Philippines



Shahana Parveen,
MSS
Bangladesh



Nelius Makandu,
BSN
Kenya



Bassel Molaeb,
MPH, CIC, FAPIC
Saudi Arabia



Carlos Agudelo,
MD, MSc
Colombia

INTERNATIONAL RESEARCH GRANT WINNERS

The SHEA Education and Research Foundation, with the support of the SHEA External Affairs Committee, awarded three \$5,000 research grants to International Ambassador Program Alumni. The goal of these grants is to identify, support, and foster novel research projects in healthcare epidemiology in international settings through our International Ambassador network.

Congratulations to these inaugural awardees.



Angela Chow,
MBBS, MMed,
Grad Dip, MS, PhD
Singapore



Anup Warriar, DNB,
CTH, CIC, MBBS
India



Angela
Dramowski,
MBChB, FCPaed,
MMed
South Africa

SCHEDULE AT A GLANCE

TUESDAY, APRIL 23

1:00 – 6:15 p.m.	Registration Open	Grand Ballroom Foyer
1:00 p.m. – 5:30 p.m.	Speaker Ready Room Open	Quincy
2:00 – 6:00 p.m.	Pe-Conference Workshop: Human Factors Engineering for Infection Control	Convention Center 253 A

WEDNESDAY, APRIL 24

6:00 a.m. – 6:00 p.m.	Registration Open	Grand Ballroom Foyer
6:30 a.m. – 5:30 p.m.	Speaker Ready Room Open	Quincy
9:30 a.m. – 4:00 p.m.	SHEA Foundation Donor Lounge	Commonwealth Ballroom C
9:30 a.m. – 4:00 p.m.	International Lounge	Commonwealth Ballroom A
● 7:00 – 7:50 a.m.	Mentorship Breakfast	Commonwealth Ballroom
● 8:00 – 9:30 a.m.	Show Me How to Do That! Partners Outside the Infection Prevention Department	Grand Ballroom
● 9:30 – 10:00 a.m.	Networking Break	Grand Ballroom Foyer
● 10:00 a.m. – 12:00 p.m.	Interesting Cases in Infection Prevention	Grand Ballroom
● 10:00 a.m. – 12:00 p.m.	Antibiotic Stewardship Globe Trotters	Convention Center 254
● 10:00 – 10:15 a.m.	Course Overview	Convention Center 253 A
● 10:15 – 11:15 a.m.	Healthcare Epidemiology: Introduction to an Emerging Field	Convention Center 253 A
● 11:15 a.m.–12:00 p.m.	Transmission of Infectious Agents in Healthcare Settings	Convention Center 253 A
● 10:00 a.m. – 12:00 p.m.	Ready, Set, Go: Antibiotic Stewardship in Action: General Acute Care Stewardship	Convention Center 253 B
● 10:00 a.m. – 12:00 p.m.	Ready, Set, Go: Antibiotic Stewardship in Action: Special Populations	Convention Center 252
● 12:00 – 1:30 p.m.	Networking Lunch with Poster Presentations	Galleria
● 1:30 – 2:30 p.m.	Pro/Con: Publicly Reported HAI Outcomes: Beneficial or Bogus?	Convention Center 254
● 1:30 – 2:30 p.m.	Oral Abstract Session: Dealing, Dabbling, and Delving into Devices	Convention Center 252
● 1:30 – 2:30 p.m.	The Compendium Strategies for Preventing HAI's	Convention Center 253 A
● 1:30 – 2:00 p.m.	Here and Now: The Impact of Drug Shortages on Antibiotic Stewardship	Convention Center 253 B
● 2:00 – 2:30 p.m.	The Steward's Achilles Heel: Pharmacokinetics/Pharmacodynamics	Convention Center 253 B
● 2:30 – 2:45 p.m.	Networking Break	Grand Ballroom Foyer
● 2:45 – 4:00 p.m.	Won't You Be My Mentor?	Convention Center 252
● 2:45 – 4:00 p.m.	Where are We Now?	Convention Center 254
● 2:45 – 3:15 p.m.	Practical Strategies for Surveillance	Convention Center 253 A
● 3:15 – 4:00 p.m.	Environment and Cleaning	Convention Center 253 A
● 2:45 – 3:30 p.m.	An Update of Duration of Therapy and Therapeutic Monitoring: Our Role as Stewards	Convention Center 253 B
● 3:30 – 4:00 p.m.	Tackling Liability Issues in ASP	Convention Center 253 B
● 4:15 – 5:45 p.m.	Going Where the Action Is: Infection Prevention Concerns in Ambulatory Settings	Convention Center 254
● 4:15 – 5:45 p.m.	Oral Abstract Session: Menacing Microbes	Convention Center 253 B
● 4:15 – 5:45 p.m.	Making the Data Talk and Translating It into Action	Convention Center 252
● 4:15 – 4:45 p.m.	Sterilization & Disinfection	Convention Center 253 A
● 4:45 – 5:45 p.m.	The Science of Safety	Convention Center 253 A
● 5:45 – 7:00 p.m.	Welcome Reception #SHEAMembershipMatters	Galleria

● Plenaries	● Oral Abstract Sessions	● Full Conference Sessions
● SHEA/CDC Training Certificate Course in Healthcare Epidemiology	● Meals/Networking Breaks	
● SHEA Antibiotic Stewardship Training Course		

SCHEDULE AT A GLANCE

THURSDAY, APRIL 25

	6:30 a.m. – 5:30 p.m.	Registration Open	Grand Ballroom Foyer
	6:30 a.m. – 5:30 p.m.	Speaker Ready Room Open	Quincy
	9:30 a.m. – 4:00 p.m.	SHEA Foundation Donor Lounge	Commonwealth Ballroom C
	9:30 a.m. – 4:00 p.m.	International Lounge	Commonwealth Ballroom A
●	6:30 – 7:50 a.m.	7th Annual Epi Competition Breakfast	Grand Ballroom
●	8:00 – 9:30 a.m.	Culture - Why it Matters	Convention Center 254
●	8:00 – 9:30 a.m.	Oral Abstract Session: Stewardship, Surgical Sites, and Shots, Oh My!	Convention Center 252
●	8:00 – 9:00 a.m.	NHSN Measures: Learning Risk Adjustment and Assessing Prevention Impact	Convention Center 253 A
●	9:00 – 9:30 a.m.	SHEA/CDC Outbreak Response Training Program (ORTP)	Convention Center 253 A
●	8:00 – 8:45 a.m.	The Second Achilles Heel: Microbiology for the Steward	Convention Center 253 B
●	8:45 – 9:30 a.m.	Own the Test, Don't Let the Test Own You: Rapid Diagnostics and Stewardship	Convention Center 253 B
●	9:30 – 10:00 a.m.	Networking Break	Grand Ballroom Foyer
●	10:00 a.m. – 12:00 p.m.	Putting the Fun in Unfunded: Regulatory Requirements in Post-Acute & Long-Term Care Settings	Convention Center 252
●	10:00 a.m. – 12:00 p.m.	Worries with Water	Convention Center 254
●	10:00 – 10:45 a.m.	Approach to Epidemic/Outbreak Investigation	Convention Center 253 A
●	10:45 – 11:15 a.m.	Problem Session: Outbreak in the Operating Room	Convention Center 253 A
●	11:15 a.m. – 12:00 p.m.	Unique Aspects of Pediatric Infection Control	Convention Center 253 A
●	10:00 – 10:45 a.m.	Challenging Cases: Gram Negative Infections	Convention Center 253 B
●	10:45 – 11:15 a.m.	Challenging Cases: Gram Positive Infections	Convention Center 253 B
●	11:15 a.m. – 12:00 p.m.	Antibiotic Allergies: The Gift that Keeps on Giving	Convention Center 253 B
●	12:00 – 1:30 p.m.	Networking Lunch with Poster Presentations	Galleria
●	1:30 – 2:30 p.m.	Partnering with Non-Profits to Improve Antibiotic Stewardship: The Pew Charitable Trusts	Grand Ballroom
●	2:30 – 2:45 p.m.	Networking Break	Grand Ballroom Foyer
●	2:45 – 4:00 p.m.	Sepsis...A Seat at the Table	Convention Center 254
●	2:45 – 4:00 p.m.	What's New in SSI Prevention?	Convention Center 252
●	2:45 – 3:15 p.m.	Telemedicine Opportunities in ASP: Thinking Outside the Box	Convention Center 253 B
●	3:15 – 4:00 p.m.	Stewardship Case Studies in Long Term Care	Convention Center 253 B
●	2:45 – 3:45 p.m.	Post-Acute Care and Long-Term Care: Changing the National Landscape and Infection Prevention	Convention Center 253 A
●	3:45 – 4:45 p.m.	Bad Bugs: An Overview of Antibiotic Resistance	Convention Center 253 A
●	4:15 – 5:45 p.m.	Tackling the Fecal Patina: It Takes More than a Mop	Convention Center 254
●	4:15 – 5:45 p.m.	Oral Abstract Session: Big Bad Bacteria - MDR GNR	Convention Center 252
●	4:15 – 5:00 p.m.	The Never Events: Managing Provider and Patient Expectations	Convention Center 253 B
●	5:00 – 5:45 p.m.	Pro/Con: Human vs Machine – Most Bang for Your ASP Buck?	Convention Center 253 B
●	5:00 – 5:45 p.m.	Overview of Antibiotic Stewardship	Convention Center 253 A
●	6:00 – 9:30 p.m.	Foundation Dinner (extra ticket purchase required)	Boston Harbor Cruise

- Plenaries
- SHEA/CDC Training Certificate Course in Healthcare Epidemiology
- SHEA Antibiotic Stewardship Training Course
- Oral Abstract Sessions
- Meals/Networking Breaks
- Full Conference Sessions

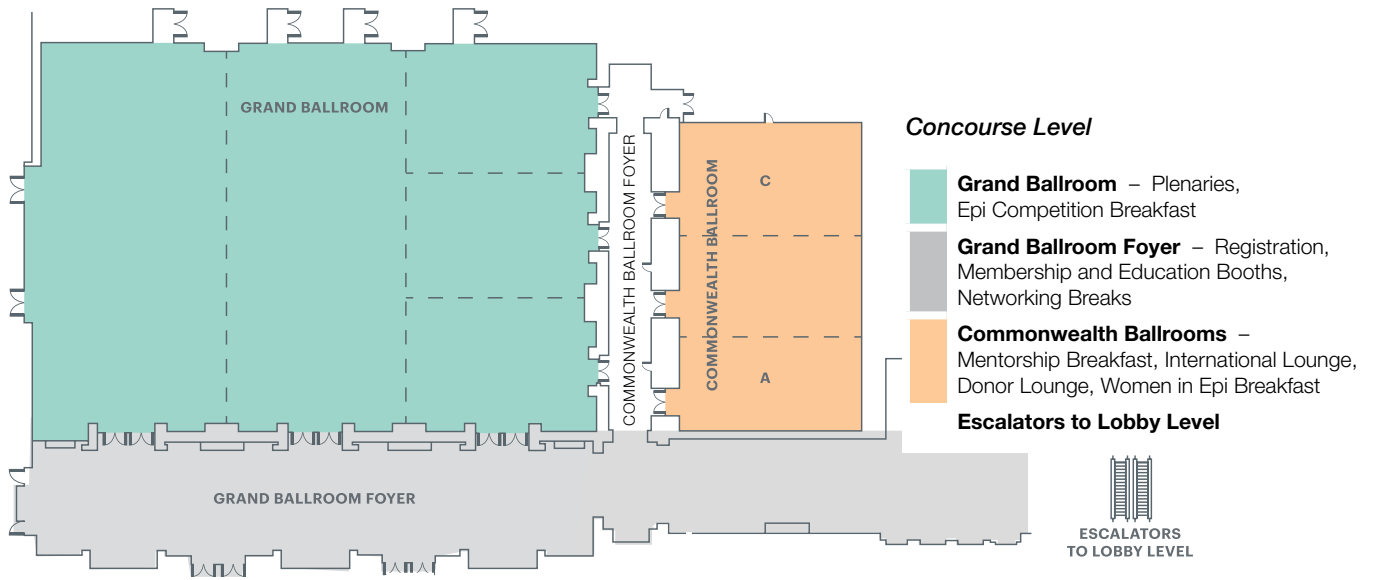
SCHEDULE AT A GLANCE

FRIDAY, APRIL 26

	6:30 a.m. – 4:15 p.m.	Registration Open	Grand Ballroom Foyer
	6:30 a.m. – 4:00 p.m.	Speaker Ready Room Open	Quincy
	9:30 a.m. – 4:00 p.m.	SHEA Foundation Donor Lounge	Commonwealth Ballroom C
	9:30 a.m. – 4:00 p.m.	International Lounge	Commonwealth Ballroom A
●	6:30 – 7:50 a.m.	Women in Epi Breakfast	Commonwealth Ballroom
●	7:00 – 7:50 a.m.	Poster Viewing Breakfast	Galleria
●	8:00 – 9:30 a.m.	Ebola 5 Years Later: Applying Lessons Learned from the Biocontainment Units to the Ward	Convention Center 254
●	8:00 – 9:30 a.m.	Qualitative and Mixed-Methods Research Strategies with a Practical Twist for Infection Prevention	Convention Center 252
●	8:00 – 9:30 a.m.	Oral Abstract Session: Antimicrobial Stewardship in Action	Convention Center 253 B
●	8:00 – 8:45 a.m.	Leadership and Communication Skills	Convention Center 253 A
●	8:45 – 9:30 a.m.	The Hospital Epidemiologist as a Clinician Educator	Convention Center 253 A
●	9:30 – 10:00 a.m.	Networking Break	Grand Ballroom Foyer
●	10:00 a.m. – 12:00 p.m.	HAI in Pediatrics 2019	Convention Center 254
●	10:00 a.m. – 12:00 p.m.	Oral Abstract Session: <i>C.difficile</i> and Outbreaks	Convention Center 252
●	10:00 – 11:00 a.m.	Occupational Infection Prevention	Convention Center 253 A
●	11:00 a.m. – 12:00 p.m.	The Role of the Laboratory in Healthcare Epidemiology	Convention Center 253 A
●	10:00 – 11:00 a.m.	Case Study: Stewardship and <i>C.difficile</i> Infection	Convention Center 253 B
●	11:00 – 11:30 a.m.	Is the Frontline the next Frontier of ASP?	Convention Center 253 B
●	11:30 a.m. – 12:00 p.m.	Case Study: Adult Case – Fighting Asymptomatic Bacteriuria	Convention Center 253 B
●	12:00 – 1:30 p.m.	Networking Lunch with Poster Presentations	Galleria
●	1:30 – 2:30 p.m.	Joint SHEA/APIC Session – SSI Prevention Strategies: IP in the OR	Convention Center 252
●	1:30 – 2:30 p.m.	Pro/Con: Is It Time to Change the Dress Code? Contact Precautions for MRSA and VRE in Pediatrics	Convention Center 254
●	1:30 – 2:00 p.m.	How to Read a Study & Perform Research	Convention Center 253 A
●	2:00 – 2:30 p.m.	Business of Infection Prevention: Promoting Growth of a Program	Convention Center 253 A
●	1:30 – 2:00 p.m.	There's an App for That: Role of Decision Support Tools & Informatics	Convention Center 253 B
●	2:00 – 2:30 p.m.	Case Study: Developing ASP in Ambulatory Care	Convention Center 253 B
●	2:30 – 2:45 p.m.	Networking Break	Grand Ballroom Foyer
●	2:45 – 4:00 p.m.	Pro/Con: Diagnostic Stewardship for <i>C.Diff</i> - Are We Building Our Own Latrine?	Convention Center 254
●	2:45 – 4:00 p.m.	Oral Abstract Session: Top Abstract Awards	Convention Center 252
●	2:45 – 4:00 p.m.	Transitions of Care	Convention Center 253 B
●	2:45 – 3:15 p.m.	Regulatory & Emergency Preparedness	Convention Center 253 A
●	3:15 – 4:00 p.m.	Putting It All Together	Convention Center 253 A
●	4:15 – 5:15 p.m.	The Importance of Diversity in Our Partnerships	Grand Ballroom

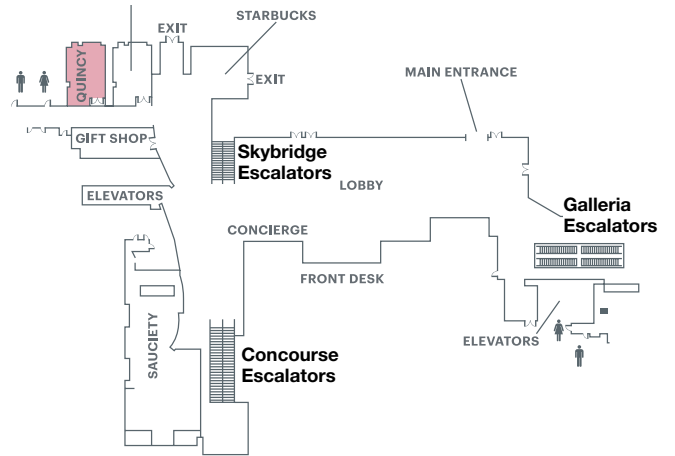
● Plenaries	● Oral Abstract Sessions	● Full Conference Sessions
● SHEA/CDC Training Certificate Course in Healthcare Epidemiology	● Meals/Networking Breaks	
● SHEA Antibiotic Stewardship Training Course		

Westin Boston Waterfront

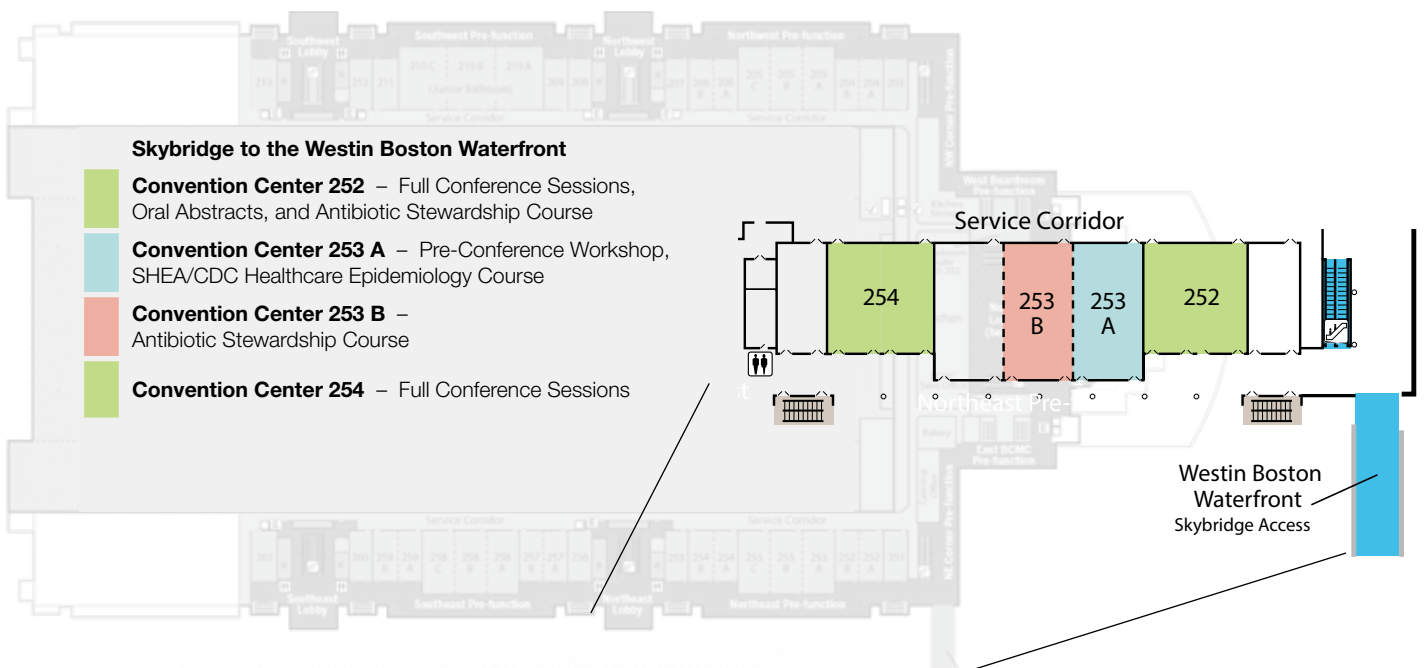


Lobby Level

- Quincy** – Speaker Ready Room
- Access to Galleria** – Lunch with Posters



Convention Center



HUMAN FACTORS ENGINEERING FOR INFECTION CONTROL

Moderators: Jesse Jacob, MD, Marin Schweizer, PhD,
Matthew Linam, MD, MS, Sarah Krein, PhD, RN

All workshop sessions will be located in the Convention Center 253 A.

REGISTRATION OPEN

1:00 – 6:15 p.m. *Grand Ballroom Foyer*

WORKSHOP OVERVIEW AND INTRODUCTIONS

2:00 – 2:15 p.m. *Convention Center 253 A*

Speaker(s): Matthew Linam, MD, MS

CASE PRESENTATION: REDUCING CLABSI

2:15 – 2:30 p.m.

Speaker(s): Ayse Gurses, PhD, MS, MPH

TABLE/GROUP DISCUSSIONS

2:30 – 3:00 p.m.

Attendees will work collaboratively in their discussion groups to identify causes for the process failures and develop potential interventions that could result in improvement.

REVISITING THE CASE WITH A HUMAN FACTORS ENGINEERING APPROACH INTRODUCTION TO HUMAN FACTORS ENGINEERING: PERSPECTIVE ON MEANINGFUL IMPROVEMENT

3:00 – 3:45 p.m.

Speaker(s): Ayse Gurses, PhD, MS, MPH

Learning Objectives:

- Define the concept of human factoring engineering (HFE)
- Review how HFE complements standard quality improvement approaches by using a system perspective
- Apply HFE tools to a challenging problem in healthcare epidemiology and infection prevention

BREAK 3:45 – 4:00 p.m.

Coffee will be located in the Westin. Please enjoy across the Sky Bridge.

HUMAN FACTORS IN HEALTHCARE: REAL-WORLD EXAMPLES

4:00 – 4:30 p.m.

Speaker(s): Nasia Safdar, MD, PhD

Learning Objectives:

- Adapt HFE principles when resources are limited to real world healthcare challenges
- Appreciate the complexities of applying HFE principles in healthcare

REVERSE ENGINEERING: HOW TO PREVENT SOLUTIONS FROM BECOMING PROBLEMS

4:30 – 5:00 p.m.

Speaker(s): Frank Drews, PhD

Learning Objectives:

- Discuss why process improvement interventions sometimes become impractical to implement
- Develop strategies to improve intervention design by anticipating potential unintended consequences or “pushback” to needed change

APPLICATION

5:00 – 5:30 p.m.

Break into groups to discuss how human factors engineering principles might be applied to real-world infection prevention problems:

- CLABSI
- CAUTI
- Antibiotic Stewardship
- Hand Hygiene
- PPE Design and Use

GROUP DISCUSSION

5:30 – 6:00 p.m.

Each group will present to the room their solutions to the presented problem.

MENTORSHIP BREAKFAST (INVITE ONLY)

7:00 – 7:50 a.m. *Commonwealth Ballroom*

OPENING PLENARY: SHOW ME HOW TO DO THAT! PARTNERS OUTSIDE THE INFECTION PREVENTION DEPARTMENT

8:00 – 9:30 a.m. *Grand Ballroom*

Moderators: Judy Guzman-Cottrill, DO & Tom Sandora, MD, MPH

Speaker(s):

The Importance of Collaboration – **Hilar Babcock, MD, MPH**

Human Factors Engineers as Prevention Partners – **Frank Drews, PhD**

Learning Objectives:

- Recognize the importance of collaborating with external partners in infection prevention and antibiotic stewardship
- Discuss real-world examples where external partnerships can strengthen infection prevention efforts
- Describe human factors engineering and its application to infection prevention

NETWORKING BREAK

9:30 – 10:00 a.m. *Grand Ballroom Foyer*

FULL CONFERENCE

INTERESTING CASES IN INFECTION PREVENTION

10:00 a.m. – 12:00 p.m. *Grand Ballroom*

Moderators: Geneva Wilson, MPH & Belinda Ostrowsky, MD, MPH

Speaker(s):

- Case 1: Maternal/Child Case – **Latania Logan, MD, MS**
- Case 2: Long-Term Care Case – **Thomas Talbot, MD, MPH**
- Case 3: A Stewardship Predicament – **Belinda Ostrowsky, MD, MPH**
- Case 4: MDRO prevention in Nursing homes. Is it possible? – **David Nace, MD, MPH**

Learning Objectives:

- Describe successful strategies to prevent Carbapenem-resistant Enterobacteriaceae (CRE) in children
- Identify the pros and cons of post-operative prophylaxis in specific high-risk patient groups
- Describe the crucial stakeholders in a successful antibiotic stewardship program
- Given the IPC limitations in the context of nursing homes, determine the interventions that are likely to be successful

ANTIBIOTIC STEWARDSHIP GLOBE TROTTERS

10:00 a.m. – 12:00 p.m. *Convention Center 254*

Moderators: Arjun Srinivasan, MD & Hitoshi Honda, MD, PhD

Speaker(s):

Antimicrobial Resistance in India- Challenges and Opportunities – **Anju Kagal, MD**

CDC's Efforts to Promote Antibiotic Stewardship Beyond the United States – **Rachel Smith, MD**

Escapades as a Science Envoy for the US State Dept – **Michael Osterholm, MPH, PHD**

Learning Objectives:

- Describe MDROs colonization in India and ongoing efforts to address this burden
- Discuss CDC's efforts to promote appropriate antibiotic use outside of the U.S.
- Describe the duties of a U.S. Department Science Envoy and discuss your direct involvement with the need for and promotion of antibiotic stewardship outside of the U.S.

SHEA/CDC TRAINING COURSE

Track Chairs: Lauri Hicks, DO, and Geeta Sood, MD

COURSE OVERVIEW

10:00 – 10:15 a.m. *Convention Center 253 A*

Speaker(s):

Lauri Hicks, DO
Geeta Sood, MD, ScM

Learning Objectives:

- Orientation to course materials
- Overview of course structure

HEALTHCARE EPIDEMIOLOGY: INTRODUCTION TO AN EMERGING FIELD

10:15 – 11:15 a.m. *Convention Center 253 A*

Speakers(s): Trish Perl, MD, MSc

Learning Objectives:

- Obtain a broad overview of the importance of basic concepts in infection prevention

TRANSMISSION OF INFECTIOUS AGENTS IN HEALTHCARE SETTINGS

11:15 a.m. – 12:00 p.m. *Convention Center 253 A*

Speaker(s): Michael Bell, MD

Learning Objectives:

- *Discuss modes of transmission for important healthcare pathogens*
- *Evaluate methods for interruption of transmission of pathogens in healthcare settings*
- *Discuss how to implement effective methods to prevent transmission*
- *Overview of the modes of transmission of pathogens*
- *Describe purpose and types of isolation precautions, air handling, personal protective equipment, and other ways of preventing transmission of pathogens in the healthcare setting*

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

Track Chairs: Kristy Kuper, PharmD, and Priya Nori, MD

READY, SET, GO: ANTIBIOTIC STEWARDSHIP IN ACTION: GENERAL ACUTE CARE STEWARDSHIP

10:00 a.m. – 12:00 p.m. *Convention Center 253 B*

Speaker(s):

Overview and Introduction – **Kristi Kuper, PharmD**

Using Antibiotic Timeouts (ATOs) as a Stewardship Mechanism – **Luke Schulz, PharmD**

Using Bundles as a Stewardship Mechanism – **Anurag Malani, MD**

Syndromic Stewardship – **Kerry LaPlante, PharmD**

Learning Objectives:

- *Describe national and state activities that impact the landscape for antibiotic stewardship*
- *Discuss why antibiotic time outs, bundles syndromic interventions are effective stewardship strategies*
- *Discuss how to customize specific interventions based on local needs*
- *Describe effective implementation practices*

READY, SET, GO: ANTIBIOTIC STEWARDSHIP IN ACTION: SPECIAL POPULATIONS

10:00 a.m. – 12:00 p.m. *Convention Center 252*

Speaker(s):

Overview and Introduction – **Priya Nori, MD**

Antibiotic Stewardship in Solid Organ and Hematology Oncology Transplant patients – **Monica Mahoney, PharmD**

Pediatric Stewardship: Developing Local Guidelines in the Setting of Limited Published Evidence – **Pranita Tamma, MD**



Antibiotic Stewardship in Critical Care – **Chanu Rhee, MD, MPH**



Learning Objectives:

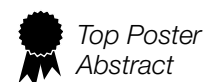
- *Describe national and state activities that impact the landscape for antibiotic stewardship*
- *Explain how to conduct a needs assessment for expanding stewardship activities in previously untapped areas*
- *Discuss unique challenges and rewards of focused stewardship in special populations*
- *Discuss the scalability of your program and resource needs*
- *Define handshake stewardship and its benefit in the pediatric population*

NETWORKING LUNCH WITH POSTER PRESENTATIONS

12:00 – 1:30 p.m. *Galleria*

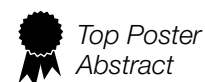
- 202 **Impact of Pre-test Questionnaires on Rate of Healthcare Facility Onset - *C. difficile* infection**
Young-Gwang Jeong, Geisinger Medical Center; Ashka Patel, Geisinger Medical Center; Eva O’Connell, Geisinger Medical Center; Swathi Gowtham, Geisinger Health; Taesung Kwon, Geisinger Medical Center
- 203 ***C. Diff*-erent Results: Partnering with the Microbiology Lab on Stewardship of *C. difficile* PCR Tests**
John Farrell, University of Illinois College of Medicine; **Alexander Bowers**, OSF St. Francis Medical Center
- 204 **RCT of the Effectiveness of Chlorine Impregnated Hospital Curtains in Resisting Contamination**
Geneva Wilson, University of Iowa; Daniel Diekema, University of Iowa Carver College of Medicine; Linda Boyken; Marin Schweizer, University of Iowa; Eli Perencevich, University of Iowa, Carver College of Med; Virgil Jackson; Christine Petersen; Mireia Puig-Asensio, University of Iowa Hospitals & Clinics; Alexandre Marra, University of Iowa Hospital and Clinics
- 207 **Mortality and LOS in Critically Ill Patients with Bloodstream Infections in the Dominican Republic**
David De Luna, Pontificia Universidad Catolica Madre y Maestra (PUCMM); Yori Roque, Pontificia Universidad Católica Madre y Maestra (PUCMM); Alfredo Mena Lora, University of Illinois at Chicago; Brinia Cabrera
- 211 **Attempting to Overcome Barriers Related to Daily CHG Bathing: A Product Assessment on a BMT Unit**
Chad Nix, Oregon Health and Science University; Malinda Burt; Sarah Espe; Jessa Sweany; Molly Hale; Nancy Burnett; Deborah Eldredge
- 215  **World Health Organization (WHO) Surgical Safety Checklist: 9-Year Experience With Sustained Decrease on Surgical Site Infection (SSI) Rates**
Silvia Fonseca, Hospital Sao Francisco; Maria Freitas; Ivana Lucca; WOE CHAN; Viviane Vegas; Flavio Reis; Tiago Oliveira; Hava Almeida; Magda Souza; Francini Alecrim; Jeniffer Ramos
- 217  **Outcomes, Length of Stay, and Costs of Hospital Acquired Central Line Associated Bloodstream Infections in a Pediatric Oncology and Transplant Center**
Hana Hakim, St. Jude Children’s Research Hospital; Craig Gilliam, St Jude Children’s Research Hospital; Megan Elliot; Apurva Rathi, student; James Hoffman; Caleb Lester; Patricia Flynn
- 223 **Centralized Cleaning of Durable Medical Equipment—MAGIC Project, a Partnership between Patient Care, EVS, and Infection Prevention & Control**
Krista Rietberg, Harborview Medical Center; Nathanael Napolitano, Harborview Medical Center; Vanessa Makarewicz, UW Medicine- Harborview Medical Center; John Lynch; Michelle McIntosh; Manny Dent, UW Harbor View Hospital; Katrina Dulitz, Harborview Medical Center; Chloe Bryson-Cahn, University of Washington
- 225 **What Percent of *Clostridium Difficile* Positive Tests in an Inpatient Facility Represent Actual Disease?**
Christian Donato Santana, Jackson Memorial Hospital, University of Miami Miller School of Medicine; Richard Ellison, University of Massachusetts Medical School; Ming Da Qu; Ivy Mwangi; Shannon Stock; Ashwini Mallad

- 227 **Ultrasound Use and Probe Disinfection in the Ambulatory Setting: Barriers and Facilitators to Standardization**
Daniel Shirley, University of Wisconsin School of Medicine and Public Health; **Angela Ai**, University of Wisconsin School of Medicine and Public Health; Nasia Safdar, University of Wisconsin, Madison; Laura Anderson
- 228 **Reduction in Bacterial Contamination and Central Line Associated Bloodstream Infections using the BD MaxZero® Needleless Connector**
Donna Schora, NorthShore University HealthSystem; Parul Patel, NorthShore University HealthSystem; Ruby Barza, NorthShore University HealthSystem; Kathleen Wilson, Northshore University HealthSystem; Jignesh Patel, Northshore UniversityHealth System; Vesna Nunez, NorthShore University Health System; Heidi Krasner; Paulette Espina-Gabriel; Kamaljit Singh, Rush Presbyterian St Lukes
- 229  **Rates and Causative Pathogens of Surgical Site Infections Attributed to Liver, Kidney, and Heart Transplant Procedures, 2015 – 2017**
Nora Chea, Centers for Disease Control and Prevention (CDC); Liang Zhou; Mathew Sapiano; Lauren Epstein, CDC; Alice Guh; Jonathan Edwards, Centers for Disease Control and Prevention; Shelley Magill, Centers for Disease Control and Prevention
- 230  **Central Line Insertion Practices Reported to the National Healthcare Safety Network—2012 through 2017**
Shannon Novosad, CDC; Lucy Fike; Katherine Allen-Bridson; Ronda Sinkowitz-Cochran; Maggie Dudeck, Centers for Disease Control and Prevention; David Kuhar
- 234 **Direct Feedback and Electronic Health Record Alerts to Reduce Inappropriate *Clostridioides difficile* Testing in Pediatric Patients on Laxatives**
Ariya Chau, UC Irvine /Children’s Hospital of Orange County; Jasjit Singh, Children’s Hospital of Orange Cty; Wendi Gornick, ChOC Childrens Hospital
- 237 **Stethoscope as A Potential Carrier of Multi-Drug Resistant Bacterial Pathogens?; Preliminary Data of Quasi-Experimental Study**
Raeseok Lee, Division of Infectious Diseases, Department of Internal Medicine, The Catholic University of Korea; Sung Jin Jo, Department of Laboratory Medicine, College of Medicine, The Catholic University of Korea; Bo Kyung Ko, The Catholic University of Korea, Yeouido St. Mary’s hospital; Yun Jeong Park, The Catholic University of Korea, Yeouido ST. Mary’s Hospital; Min A Choi, The catholic university of korea yeouido St. Mary’s hospital; Su-Mi Choi; Songyi Han
- 240 **Recombinant Tissue Plasminogen Activator for the Prevention of Central Line-associated Bloodstream Infection in Patients on Hemodialysis**
Muhammad Yasser Alsafadi, Baylor College of Medicine; Mayar Al Mohajer, Baylor College of Medicine; Ashlee Weekley, Baylor St. Luke’s Medical Center; Julia Thomas; Jennifer McCarty; Ryan Gibbons; Norma Ferrer-Pilarta; Katherine Timmins



- 244 **Understanding the Gaps in Flexible Endoscope Reprocessing Practices in Ambulatory Surgical Centers**
 Kate Tyner, Nebraska ICAP, Nebraska Medicine; **Muhammad Salman Ashraf**, University of Nebraska Medical Center; Regina Nailon; Teresa Fitzgerald; Margaret Drake; Terry Micheels; Mark Rupp, Univ of Nebraska Medical Center; Michelle Schwedhelm; Maureen Tierney, Nebraska DHHS
- 248 **Primary Payer Status and the Risk of Surgical Site Infection Following Colorectal Surgery**
Todd Lucas, CDC; John Jernigan, Centers for Disease Control and Prevention; Sujan Reddy, CDC; James Baggs, CDC; Sophia Kazakova, CDC; Sarah Yi, Centers for Disease Control and Prevention; Kelly Hatfield
- 255 **Impact of Pre-Operative Chlorhexidine Gluconate (CHG) Application Methods on Pre-Operative CHG Skin Concentration.**
Bobby Warren, Duke Center for Antimicrobial Stewardship and Infection Prevention; Deverick Anderson, Duke Center for Antimicrobial Stewardship and Infection Prevention; David Warren, Washington University School of Medicine; Candace Miller, Washington University; Tracy Habrock, Washington University School of Medicine; Alicia Nelson, DUMC; Jahnnavi Bongu, Wash U
- 257 **The Little Things Matter – How Peer Audits Contribute to CLABSI Prevention**
Lauren DiBiase, UNC Health Care; Emily Sickbert-Bennett, UNC Health Care; Lisa Teal; Shelley Summerlin-Long
- 265 **Kinetics of Procalcitonin in Hospitalized Children Receiving Antibiotic Therapy for Bacterial Infections**
Sophie Katz, Vanderbilt University Medical Center; Ritu Banerjee; Jennifer Crook; Rendie McHenry; Andras Szeles; Natasha Halasa
- 272 **Effect of a Bundled Intervention to Reduce *C. difficile* Infection in Acute Care Hospitals**
Surbhi Leekha, University of Maryland, Baltimore; Natalia Blanco, School of Medicine University of Maryland; Gwen Robinson; Daniel Morgan, University of Maryland School of Medicine; Emily Heil, University of Maryland School of Pharmacy; Lucy Wilson; Rebecca Perlmutter; Clayton Brown; Daniel Lemkin; Heavner Mojdeh
- 282 **Association of Hospital-Onset *Clostridioides difficile* Infection and Antibiotic Use Rates in U.S. Acute Care Hospitals, 2012-2017: Ecologic Analysis**
Sophia Kazakova, CDC; James Baggs, CDC; Sarah Yi, Centers for Disease Control and Prevention; Kelly Hatfield; Alice Guh; Sujan Reddy, CDC; John Jernigan, Centers for Disease Control and Prevention
- 287 **Reducing Central Line-Associated Bloodstream Infections in a Tertiary Care Neonatal Intensive Care Unit: a Quality Improvement Initiative**
Marie-Astrid Lefebvre, Montreal Childrens Hospital, McGill University Health Centre; Géraldine Schaaack; Martine Chagnon; Martine Claveau; Martine Lafond; Jesse Papenburg; Chantal Perpète; Elissa Remmer; Michal Stachura, MUHC; Thérèse Perreault
- 295 **Examining Clinicians' Rationale for Ordering *Clostridioides difficile* Testing in Patients Receiving Laxatives**
Shardul Rathod, Yale University; L. Scott Sussman, Yale New Haven Health; Marwan M. Azar; Nitu Kashyap; Eric M. Tichy; Dayna McManus, Yale-New Haven Hospital; David Peaper; Richard Martinello, Yale University; Jeffrey Topal
- 297 **Effect of Tooth Brushing and Mouthwash with 0.12% Chlorhexidine Gluconate for the Prevention of Postoperative Pneumonia in Pediatric Patients.**
 Samantha Daniela Moreno Herrera, Hospital Infantil de México Federico Gómez; **Priscila González-Rubio Aguilar**; Veronica Ávalos Arenas; Nancy Anahí Vega Gudiño; Mónica Villa Guillén; Diana Moyao-García; Rodolfo Fragoso Ríos; Vicente Cuairán Ruidíaz; Arturo Castro Díaz; Daniela De la Rosa Zamboni
- 301 **Evaluation of Existing Bedside Scoring Models for Recurrent *Clostridioides difficile* Infection**
Robert Orellana, The Ohio State University; Julie Mangino, The Ohio State University; Kurt Stevenson, Ohio State University Wexner Medical Center; Erica Reed, The Ohio State University Wexner Medical Center
- 303 **Use of Academic Detailing for *Clostridioides difficile* Diagnostic Stewardship**
Ahmed Abdul Azim, Beth Israel Deaconess Medical Center; Preeti Mehrotra, BIDMC; Sharon Wright, Beth Israel Deaconess Medical Center
- 304 **Performance of Urinalysis Tests in Predicting Urinary Tract Infections among a Large Pediatric Population**
Shih-Ni Chang, Big Data Center, China Medical University Hospital; Hsiu-Yin Chiang, Big Data Center, China Medical University Hospital; Chin-Chi Kuo
- 305 **Universal Screening for *C. difficile* at an Urban Academic Center: Impact on LabID Events and Lessons Learned**
Maggie Collison, University of Chicago; Jessica Ridgway, University of Chicago; Cynthia Murillo; Rachel Marrs, University of Chicago Medicine; Emily Landon; Kathleen Beavis; Allison Bartlett, University of Chicago Comer Childrens Hospital; Vera Tesic, University of Chicago
- 307 **A Best Practice Alert to Reduce Inappropriate Testing for *Clostridium Difficile* in the Setting of Prior Laxative Use**
Paul Jacob, Vanderbilt University Medical Center Division of Infectious Disease; Thomas Talbot, Vanderbilt University School of Medicine; Joseph LeGrand, Vanderbilt University Medical Center, Health IT
- 308 **Epidemiology of Antifungal Utilization in Hospitalized Children in the United States**
Lourdes Eguiguren, Stanford University; Brian Lee, Children's Mercy Hospitals and Clinics; Jason Newland, Washington University; Adam Hersh; Matthew Kronman; Jeffrey Gerber; Grace Lee, Stanford Children's Health; Hayden Schwenk, Stanford University School of Medicine
- 313 **Impact of Fluoroquinolone restriction on *Clostridium difficile* infections with the fluoroquinolone resistant BI/NAP1/027 Strain**
 Jennifer Cadnum, Cleveland VA Medical Center; **Sarah Redmond**; Brigid Wilson, Northeast Ohio VA Healthcare System; Sandra Y Silva, Case Western Reserve University; Curtis Donskey, Cleveland VA Medical Center
- 315 **Effect of a Health Education Campaign on Patient Understanding of Appropriate Antibiotic Use**
 Marion Davis, Atrium Health; Tsai-Ling Liu; Crystal Connor; **Lisa Davidson**, Atrium Health; Casey Stephens, Atrium Health; Traci Yates; Ryan Burns; Yheneko Taylor; Melanie Spencer; Hope Brooks; Waylon Howard; William Anderson
- 316 **Hospital Fluoroquinolone Use is a Predictor of *Clostridium difficile* Infection Due to Fluoroquinolone-Resistant Ribotype 027 Strains**
Sandra Y Silva, Case Western Reserve University; Brigid Wilson, Northeast Ohio VA Healthcare System; Sarah Redmond; Curtis Donskey, Cleveland VA Medical Center
- 319 **Hospital-Acquired Bloodstream Infections in Extracorporeal Membrane Oxygenation and Ventricular Assist Device Therapy**
Ryan Miller, Cleveland Clinic Foundation; Thomas Fraser, Cleveland Clinic Foundation; Belinda Jordan; Joanne Sitaras, Cleveland Clinic
- 320 **Evaluating the Accuracy of Sampling Strategies for Fluorescent Gel Monitoring of Patient Room Cleaning**
Clare Rock, The Johns Hopkins University; Ayse Gurses, Johns Hopkins University; Aaron Milstone, Johns Hopkins University; Lisa Maragakis, Johns Hopkins University School of Medicine; Sara Cosgrove, Johns Hopkins University School of Medicine; Bryce Small; Yea-Jen Hsu; Anping Xie; Verna Scheeler, Johns Hopkins University School of Medicine; Mark Haft, Johns Hopkins University School of Medicine; Polly Trexler

- 321 **Mitigating an Annual Seasonal Increase in *C. difficile* with a Strategic Screen and Isolate Protocol**
Katherine Linsenmeyer, VA Boston Healthcare System; Kalpana Gupta, VA Boston HCS and Boston University; Judith Strymish, VA Med Ctr - West Roxbury; Stephen Brecher, VA Boston HCS
- 324 **Is Adenosine Triphosphate Bioluminescence Effective in Identifying Bacterial Growth or Residual Multi-Drug Resistant Organisms in a Hospital Setting?**
Gladys Martinez, Michigan Medicine; Laraine Washer, Univ of Michigan Med Ctr; Carey Dombekki; Nicole Nomides; Amanda Valyko; Kristen Gibson; Marco Cassone, University of Michigan; Lona Mody, University of Michigan
- 331 **Transitioning Care of Central Lines: Gaps in Knowledge Among Patients Being Discharged with Peripherally-Inserted Central Catheters (PICCs)**
Susanna Tan, University of California Irvine School of Medicine, VA Long Beach Healthcare System; Shruti Gohil, UC Irvine Div Infectious Diseases; Susan Huang, University of California Irvine School of Medicine; Yesenia Martinez, UCI School of Medicine; Michelle Tsukamoto; Jennifer Yim, UC Irvine Health; Shereen Nourollahi, UC Irvine; Debbie Thompson, UCI Health
- 334 **Halting Transmission of a Methicillin-Sensitive *Staphylococcus aureus* Strain in a Level 3 Neonatal Intensive Care Unit**
Krystina Woods, Mount Sinai West; Deena Altman; Angela Gabasan, Mount Sinai West Hospital; Deborah Schwing, Mount Sinai West; Barbara Smith, Mount Sinai St. Luke's; Colleen Beckford; Camille Hamula; Irina Oussenko; Melissa Smith; Mitchell Sullivan; Harm van Bakel; Lisa Eiland; Bernard Camins, Mount Sinai Health System; Emilia Mia Sordillo, Icahn School of Medicine, Mount Sinai Health System
- 336 **Susceptibility of *Candida albicans* to Chlorohexidine (CHG) and In Vitro Selection of CHG Resistance: Potential Implications for Clinical Practice**
Kylie Huitsing, Henry Ford Hospital; Mary Beth Perri; Varidhi Nauriyal; George Alangaden, Henry Ford Health System
- 337 **Effectiveness of Disinfectant Wipes in Reducing *Candida auris* on Surfaces**
Jessica Kumar, Cleveland Stokes VA Hospital; Jennifer Cadnum, Cleveland VA Medical Center; Annette Jencson; Thirveen Sankar Chittoor Mana; Heba Alhmidi; Curtis Donskey, Cleveland VA Medical Center
- 338 **Characteristics and Blood Stream Infection Rates of Pediatric Hemodialysis Outpatient Facilities, National Healthcare Safety Network, 2014 – 2016**
Taylor Guffey, CDC; Priti Patel, Centers for Disease and Control; Duc Nguyen, Centers for Disease Control and Prevention; Ibironke Apata; Bradley Warady; Alicia Neu; Mark Weng; Cheri Grigg
- 345  **The Effect of *Clostridium difficile* Testing Stewardship Interventions on the Diagnosis of Hospital-Onset *Clostridium difficile* Infections**
Minji Kang, University of California San Diego; Randy Taplitz; Shira Abeles; Robert El-Kareh; Elizabeth Nyheim; Sharon Reed; Frank Myers; Francesca Torriani, UC San Diego Health
- 354 **Revising Urinalysis Reflex Criteria Reduces Catheter-Associated Urinary Tract Infection Rates**
Geehan Suleyman, The University of Toledo Medical Center; Ann Keegan, University of Toledo Medical Center; Melissa Ahrens; Kenneth Fry, University of Toledo Medical Center; Mark Eckhart, University of Toledo Medical Center
- 357 **Reducing Hospital Onset *Clostridium difficile* Infections in a Community Hospital with Ultraviolet C Light Disinfection**
Shawn Mueller, Medstar Union Memorial Hospital; Calvin Williams, Medstar Union Memorial Hospital; Debbie Huber; Tamasin Adams
- 358  **Impact of a Multidisciplinary Team on Reducing Hospital-acquired *Clostridioides difficile* Infections at an Academic Medical Center**
Bhagyashri Navalkele, University of Mississippi Medical Center; Xiaoming Hester, UMMC; Sheila Fletcher; Lisa Stempak, University of Mississippi Medical Center; Regina Galloway; Jason Parham, University of Mississippi Medical Center; Myrtle Tate; Barbara Inman, University of Mississippi Medical Center; Jeff Dunaway
- 364 **Improving Appropriate Testing for *Clostridium difficile* Infection: A Diagnostic Stewardship Quality Improvement Project at Sanford Children's Hospital Fernando**
Bula Rudas, Sanford Children's Hospital; Archana Chatterjee, Univ of S. Dakota - Sanford School of Medicine



Top Poster
Abstract

FULL CONFERENCE

PRO/CON: PUBLICLY REPORTED HAI OUTCOMES: BENEFICIAL OR BOGUS?

1:30 – 2:30 p.m. *Convention Center 254*

Moderators: David Calfee, MD, MS & Sharon Wright, MD, MPH

Speaker(s):

Public Reporting of HAIs has Led to Significantly Improved Patient Care – **Marion Kainer, MD, MPH**

Public Reporting of HAIs Diverts Resources – **Grace Lee, MD, MPH**

Learning Objectives:

- Review which HAI's are publicly reportable, how they are defined, and ways in which reported data affect hospital reimbursement and ratings
- Learn the difference between surveillance definitions and clinical definitions of infection. Is it appropriate to publicly report infections using data derived from surveillance definitions?
- Discuss the relative importance of harm from HAI's that are measured and reported and harm from non-measured causes that may receive fewer resources
- Discuss whether reported rates of HAI's are good surrogate markers for a hospital's overall quality

ORAL ABSTRACT SESSION: DEALING, DABBLING, AND DELVING INTO DEVICES

1:30 – 2:30 p.m. *Convention Center 252*

Moderators: Clare Rock, MD, MS & Martha Muller, MD, MPH

349 **Risk Factors for Non-Device Associated Urinary Tract Infections**

Paula Strassle, University of North Carolina at Chapel Hill; Emily Sickbert-Bennett, UNC Health Care; Lauren DiBiase, UNC Health Care; Michael Klompas, Harvard Medical School; Jennifer Lund; Paul Stewart; David Weber, University of North Carolina at Chapel Hill

499 **DeCATHlons, Device-alternatives, Decision Support Bundles, and Denominators: a SURly Success**

Melissa Bronstein, MPA BSN RN CIC FAPIC, System Director Infection Prevention, Rochester Regional Health; Kelly Vore; Julie Giles; Balazs Zsenits; Dawn Riedy; Jose Alcantara; Carlos Sosa; Roberto Vargas; Deborah Stamps, EdD, MSA, MS, GNP, RN, NE-BC, VP quality and Patient Safety, Rocehster Regional Health; Emil Lesho, DO, Infectious Diseases Physician/Healthcare Epidemiologist, Rochester Regional Health

546 **The SAFER Lines Project: A Mobile-App Telemedicine Approach to CLABSI Prevention in Nursing Homes**

Shruti Gohil, MD, MPH, UC Irvine Div Infectious Diseases; Shereen Nourollahi, MS, Clinical Research Coordinator, UC Irvine; Bardia Bahadori, BS, Tufts University School of Medicine; Thomas Tjoa, MPH, Statistician, University of California at Irvine; Mohamad Alsharif; Michael Torres; Justin Chang; Syma Rashid; Raveena Singh; Raheeb Saavedra, AS, University of California Irvine School of Medicine; Marlene Esteves; Christine Baesu, BS, University of California Irvine School of Medicine; Steven Tam; Susan Huang, MD; MPH, Professor and Hospital Epidemiologist, University of California Irvine School of Medicine

119 **Novel Risk Factors for Central-Line Associated Bloodstream Infections in Critically Ill Children**

Charlotte Woods-Hill, Children's Hospital of Philadelphia; Julia Sammons, The Childrens Hospital of Philadelphia; Lakshmi Srinivasan; Emily Schriver, CHOP; Tanya Haj-Hassan, Children's Hospital of Philadelphia; Orysia Bezpalko, Children's Hospital of Philadelphia

SHEA/CDC TRAINING COURSE

THE COMPENDIUM STRATEGIES FOR PREVENTING HAI'S

1:30 – 2:30 p.m. *Convention Center 253 A*

Speaker(s): Deborah Yokoe, MD, MPH

Learning Objectives:

- Identify priority recommendations of Compendium of Strategies to prevent healthcare-associated infections in acute-care settings and associated resources
- Identify practical methods and tools to meet basic and advanced recommendations

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

HERE AND NOW: THE IMPACT OF DRUG SHORTAGES ON ANTIBIOTIC STEWARDSHIP

1:30 – 2:00 p.m. *Convention Center 253 B*

Speaker(s): Kristi Kuper, PharmD

Learning Objectives:

- Discuss the multiple reasons for critical antibiotic and IV solution shortages
- Discuss general strategies and innovative strategies that institutions have employed to address drug shortages
- Discuss the long-term outlook for the availability of antibiotic and IV solutions

THE STEWARD'S ACHILLES HEEL: PHARMACOKINETICS/ PHARMACODYNAMICS

2:00 – 2:30 p.m. *Convention Center 253 B*

Speaker(s): Kerry LaPlante, PharmD

Learning Objectives:

- Review the pharmacokinetics and pharmacodynamic properties of different antibiotic agents and their application to selection of appropriate dosing based on host, pathogen, syndrome
- Discuss therapeutic monitoring of agents such as vancomycin, aminoglycosides, antifungals
- Discuss pros of pharmacy led therapeutic monitoring
- Discuss the role of extended interval infusion protocols

NETWORKING BREAK

2:30 – 2:45 p.m. *Grand Ballroom Foyer*

FULL CONFERENCE

WON'T YOU BE MY MENTOR?

2:45 – 4:00 p.m. *Convention Center 252***Moderators:** Jessie Leyse, MD, MPH & Jacob Smith, MD, MPH**Speaker(s):**Mentorship and Sponsorship: The Differences and How to Find Them – **Sarah Haessler, MD**

Mentor-Mentee Relationships: Duel Chat –

Vineet Chopra, MD, MSc & Valerie Vaughn, MD, MSc**Learning Objectives:**

- Review the difference between mentorship and sponsorship and how each type of relationship impacts career development
- Learn how to identify potential mentors and mentees, how to set expectations for the relationship, and how to cultivate a productive experience for both the mentor and mentee.
- Learn from an actual mentor-mentee pair how their relationship has evolved over time to serve the needs of each person

WHERE ARE WE NOW?

2:45 – 4:00 p.m. *Convention Center 254***Moderators:** Belinda Ostrowsky, MD, MPH & Joe Perz, DrPH, MA**Speaker(s):**2019 CDC Update on Emerging Pathogens and Multidrug-Resistant Organism Trends in the United States – **Maroya Walters, MSc, PhD**The Antibiotic Resistance Lab Network: We Are Here for You – **Marion Kainer, MD, MPH**State Healthcare-associated Infection Programs: Friend or Foe – **Judy Guzman-Cottrill, DO****Learning Objectives:**

- Characterize emerging and concerning Multidrug-Resistant Organism threats in the United States
- Describe how the Antibiotic Resistance Laboratory Network can support detection of emerging antibiotic resistance threats
- Discuss the role that State Healthcare-associated Infection Programs can play in detecting and responding to antibiotic resistance threats

SHEA/CDC TRAINING COURSE

PRACTICAL STRATEGIES FOR SURVEILLANCE

2:45 – 3:15 p.m. *Convention Center 253 A***Speaker(s):** Kathleen Gase, MBA, MPH, CIC**Learning Objectives:**

- Identify core components of an HAI surveillance program
- Select optimal methods for collection and analysis of surveillance data
- Correlate relationship between surveillance and prevention activities
- Evaluate surveillance findings and incorporate into effective intervention plans

ENVIRONMENT AND CLEANING

3:15 – 4:00 p.m. *Convention Center 253 A***Speaker(s):** Philip Carling, MD**Learning Objectives:**

- Review the evidence implicating the environment as a source of healthcare associated infections
- Describe the role of environmental cleaning to disrupt the cycle of transmission
- Outline the evidence behind the various available strategies to disinfect the environment including chemical agents, and UV lights
- Discuss methods for measuring cleanliness

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

AN UPDATE OF DURATION OF THERAPY AND THERAPEUTIC MONITORING: OUR ROLE AS STEWARDS

2:45 – 3:30 p.m. *Convention Center 253 B***Speaker(s):** Shira Doron, MD**Learning Objectives:**

- Review most up to date evidence behind the concept of "shorter is better"
- Review disease states where duration remains controversial, unknown, or where longer duration may still be needed
- Discuss the role of biomarkers as a tool for de-escalation or cessation of antibiotic therapy (procalcitonin, ESR, CRP)

TACKLING LIABILITY ISSUES IN ASP

3:30 – 4:00 p.m. *Convention Center 253 B***Speaker(s):** Neil Fishman, MD**Learning Objectives:**

- Identify legal concepts that are applicable to the practice of ASP
- Define the nature and extent of medical-legal risk in the practice of ASP
- Discuss approaches for risk management in ASP
- Discuss medical-legal issues implicit in diagnostic stewardship, and other indirect patient services provided by ASP (e.g. handling positive patient culture post discharge)

FULL CONFERENCE

GOING WHERE THE ACTION IS: INFECTION PREVENTION CONCERNS IN AMBULATORY SETTINGS

4:15 – 5:45 p.m. *Convention Center 254*

Moderators: Susan Bleasdale, MD & Marci Drees, MD, MS

Speaker(s):

Moving the Needle through National Initiatives to Reduce Infections in Dialysis Patients – **Priti Patel, MD**

Overcoming Infection Prevention Challenges in Dental Settings – **Marc Meyer, BPharm**

Ambulatory Surgery and Specialty Clinics: Measuring and Improving – **Joe Perz, DrPH, MA**

Learning Objectives:

- *Identify unique challenges associated with infection prevention in ambulatory settings*
- *Describe effective local and national strategies to improve infection prevention*

ORAL ABSTRACT SESSION: MENACING MICROBES

4:15 – 5:45 p.m. *Convention Center 253 B*

Moderators: Gabriela Andujar-Vasquez, MD & W Charles Huskins, MD, MSc

27 **Tracking Newborns Enrolled in the New York State Zika Pregnancy and Infant Registry (NYSZPIR)**
Zahra S Alaali, New York State Department of Health; Pauline Santos, New York State Department of Health; Nicole Longcore, NYS Department of Health, Division of Epidemiology; Viola Glaze, NYS Department of Health; Nina Ahmad

220 **Repeated Prevalence Surveys for Candida auris and Carbapenemase-Producing Organisms in a Ventilator-Capable Skilled Nursing Facility, Chicago 2018**
Massimo Pacilli, Chicago Department of Public Health; Janna Kerins, Chicago Department of Public Health; Whitney Clegg, Chicago Department of Public Health; Hira Adil, Chicago Department of Public Health; Sarah K. Kemble, Chicago Department of Public Health; Shannon Xydis, Chicago Department of Public Health; Elizabeth Soda, Centers for Disease Control and Prevention; Snigdha Vallabhaneni, Centers for Disease Control and Prevention; Maroya Walters, Centers for Disease Control and Prevention; Stephanie R. Black, Chicago Department of Public Health

226 **Geographic Distribution and Spatial Clustering of Fluoroquinolone-Resistant Enterobacteriaceae at Outpatient Settings of VHA System; 2000-2017**
Michihiko Goto, University of Iowa/Iowa City VAMC; Rajeshwari Nair, The University of Iowa, Department of Internal Medicine; Eli Perencevich, University of Iowa, Carver College of Med; Margaret Carrel

228 **Factors Associated with Candida auris Colonization among Residents of Nursing Homes with Ventilator Units – New York, 2016 – 2018**
Belinda Ostrowsky, Centers for Disease Control and Prevention, Montefiore/Albert Einstein Medical Center; Rossow John; Robert McDonald; Todd Lucas, CDC; Stephen Perez; Kaitlin Forsberg, CDC; IHRC, Inc.; Karen Alroy; Kate Woodworth, CDC; Jacobs Slifka Kara, Centers for Disease Control and Prevention; Snigdha Vallabhaneni, Centers for Disease Control and Prevention; Ronald Jean Denis; Karen Southwick; Rosalie Giardina; Jane Greenko; Richard Erazo; Eleanor Adams; Monica Quinn; Sudha Chaturvedi; Debra Blog

247 **Carbapenemase Production among the Less Common Enterobacteriaceae Genera – 10 U.S. Sites, 2018**

Alicia Shugart, Centers for Disease Control and Prevention; Maria Karlsson; Ann Valley, Wisconsin State Laboratory of Hygiene-Antibiotic Resistance Lab Network; Garrett Mahon; Jennifer Huang, Centers for Disease Control; Megan Lasure, Wisconsin State Laboratory of Hygiene; Annastasia Gross; Brittany VonBank; Elisabeth Vaeth; Richard Brooks; Tyler Maruca, MD Dept of Health; David Torpey; Drew Francis; Rachana Bhattarai, Arizona Department of Health Services; Marion Kainer, Tennessee Dept. of Health; Allison Chan; Heather Dubendris, NC DHHS; Shermalyn Greene, NC SLPH; Sara Blosser; DJ Shannon; Kelly Jones; Brenda Brennan; Sophey Hun, Washington State Public Health Laboratories; Marisa D'Angeli, Washington State Department of Health; Maureen Tierney, Nebraska DHHS; Alexander Kallen, Centers for Disease Control and Prevention; Maroya Walters, Centers for Disease Control and Prevention; Caitlin Murphy

282 **Carbapenem-Resistant Pseudomonas aeruginosa with a Novel Resistance Mechanism Among Persons Receiving Outpatient Urology Care, New York 2018**

Sarah Kogut, New York State Department of Health; Jane Greenko; Rosalie Giardina; Eleanor Adams; Emily Lutterloh; Elizabeth Nazarian, Wadsworth Center-NYS DOH; Kimberlee Musser; Emily Snavelly, New York State Department of Health Wadsworth Center; Wolfgang Haas; Belinda Ostrowsky, Centers for Disease Control and Prevention, Montefiore/Albert Einstein Medical Center; Shaheda Iftikhar, suffolk County Department of health Services; Lauren Barlow

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

MAKING THE DATA TALK AND TRANSLATING IT INTO ACTION

4:15 – 5:45 p.m. *Convention Center 252*

Speaker(s):
Elizabeth Dodds-Ashely, PharmD & Kavita Trivedi, MD

Learning Objectives:

- *Discuss key metrics that can be used to measure the impact of an antibiotic stewardship program*
- *Discuss current status of AU measuring and reporting via CDC-NHSN's AU module; pros and cons and current status (academic centers, community or critical access hospitals)*
- *Describe how to synthesize and present data alone and in combination to tell the story*
- *Describe unique challenges for measuring antibiotic stewardship across multiple sites or within a health system*

SHEA/CDC TRAINING COURSE

STERILIZATION & DISINFECTION

4:15 – 4:45 p.m.

Convention Center 253 A

Speaker(s): William Rutala, MD, PhD**Learning Objectives:**

- Describe the Spaulding classification scheme for disinfection of patient care items
- Discuss the advantages and disadvantages of the various chemical agents and mechanical processes used to disinfect medical equipment
- Describe available methods for sterilization and the types of indicators used to ensure the process was effective
- Outline the controversies surrounding the reprocessing of endoscopes and disinfection of other complex medical instruments

THE SCIENCE OF SAFETY

4:45 – 5:45 p.m.

Convention Center 253 A

Speaker(s): Keith Kaye, MD, MPH**Learning Objectives:**

- Describe what culture of safety is and represents and how it overlaps with healthcare epidemiology
- Cite the roles of healthcare quality and patient safety departments
- Define the ways in which infection prevention and Antibiotic stewardship interact with hospital quality and patient safety
- Relate the importance of leadership in leading safety efforts in healthcare
- Relate strategies for communicating safety and quality issues to the C-suite, to providers and patients

Recognize healthcare epidemiology as a career pathway towards healthcare quality and patient safety

**WELCOME RECEPTION
#SHEAMEMBERSHIPMATTERS**

5:45 – 7:00 p.m.

Galleria

This Welcome Reception is open to all attendees. Please join SHEA President, Hilary Babcock, MD, MPH, and other attendees to mingle, meet, network, visit with poster presenters, and hear about why SHEA membership matters.

**7TH ANNUAL EPI COMPETITION
BREAKFAST**

6:30 – 7:50 a.m.

Grand Ballroom

FULL CONFERENCE

CULTURE - WHY IT MATTERS

8:00 – 9:30 a.m.

Convention Center 254

Moderators: Susy Hota, MD, MSc & Michelle Doll, MD, MPH

Speaker(s):

A Culture of Safety in 2019: An Organizational Perspective with Examples of Success – **Vineet Chopra, MD, MSc**

Burnout: How It's Created and How it Impacts Safety Culture – **Keith Kaye, MD, MPH**

A Culture of Safety and HAIs: What Does the Data Show? – **Barbara Braun, PhD**

Presenteeism: Drivers, Consequences, Solutions – **Gonzalo Bearman, MD, MPH**

Learning Objectives:

- Review the organizational framework for a safety of culture with examples of implementation and success
- Discuss the impact of a culture of safety on HAI efforts and outcomes
- Review the drivers and impact of healthcare worker burnout on safety and hospital acquired infections
- Define factors that drive healthcare workers to work when ill and explore strategies that minimize presenteeism

ORAL ABSTRACT SESSION: STEWARDSHIP, SURGICAL SITES, AND SHOTS, OH MY

8:00 – 9:30 a.m.

Convention Center 252

Moderators: Sonali Advani, MD, MPH & David Banach, MD

178 **An Evaluation of Antimicrobial-Prescribing in Patients Seen Across 4 Emergency Departments in the Veterans Health Administration**

Rajeshwari Nair, The University of Iowa, Department of Internal Medicine; **Eli Perencevich**, University of Iowa, Carver College of Med; **Daniel Livorsi**, University of Iowa, Department of Internal Medicine; **Matthew Smith**; **Irisa Mahaparn**; **Bruce Alexander**

267 **The Impact of Patient-Reported Penicillin or Cephalosporin Allergy on Surgical Site Infections**

Jessica Seidelman, Duke University; **Rebekah Moehring**, Duke University Medical Center; **Deverick Anderson**, Duke Center for Antimicrobial Stewardship and Infection Prevention; **David Weber**, University of North Carolina at Chapel Hill; **Sarah Lewis**

364 **A Machine Learning Derived Clinical Decision Support Tool for the Management of Uncomplicated Urinary Tract Infection**

Sanjat Kanjilal, Massachusetts General Hospital / Brigham & Women's Hospital; **David Sontag**; **Michael Oberst**; **Sooraj Boominathan**, Massachusetts Institute of Technology; **Helen Zhou**, Carnegie Mellon University; **David Hooper**, Massachusetts General Hospital

433 **Implementation of a Mandatory Influenza Vaccine Policy: A 10-year Experience**

Eimear Kitt, Children's Hospital of Philadelphia; **Susan Coffin**, Children's Hospital of Philadelphia; **Julia Sammons**, Children's Hospital of Philadelphia; **Sharon Burt**; **Susan Price**

473 **Automated Surveillance for Surgical Site Infection Prevention Process Metrics**

Jorge Salinas, University of Iowa; **Jeffrey Kritzman**; **Rita Malloy**; **Tatiana Izakovic**; **Jean Pottinger**; **Beth Hanna**; **John Cromwell**; **Daniel Diekema**, University of Iowa Carver College of Medicine; **Michael Edmond**, University of Iowa Hospitals and Clinics

474 **The Path of Least Resistance: Prescriber Perceptions of Fluoroquinolones, Extended-Spectrum Cephalosporins and Clostridium difficile Infection**

Julia Szymczak, University of Pennsylvania; **Brandi Muller**; **Nikitha Shakamuri**; **Keith Hamilton**, Hospital of the University of Pennsylvania; **Jeffrey Gerber**; **Ebbing Lautenbach**, **Perelman School of Medicine**, University of Pennsylvania

SHEA/CDC TRAINING COURSE

NHSN MEASURES: LEARNING RISK ADJUSTMENT AND ASSESSING PREVENTION IMPACT

8:00 – 9:00 a.m.

Convention Center 253 A

Speaker(s):

Jonathan Edwards, MStat

Margaret Dudeck, BS, MPH

Learning Objectives:

- Summarize decisions on how to prioritize surveillance efforts
- Identify analytical methods for assessing temporal changes in infection rates
- Indicate the role of risk adjustment when analyzing infection rate data
- Identify methods of analysis for assessing intervention effectiveness
- Assess, interpret, and summarize data that are imprecise
- Using NHSN to understand and benchmark your hospital's data

SHEA/CDC OUTBREAK RESPONSE TRAINING PROGRAM (ORTP)

9:00 – 9:30 a.m.

Convention Center 253 A

Speaker(s): Judy Guzman-Cottril, DO

Learning Objectives:

- Describe resources that are available to prepare for and support outbreak response
- Discuss key steps involved in preparing your facility for the next high-consequence pathogen infection

SHEA ANTIBIOTIC STEWARDSHIP
TRAINING COURSETHE SECOND ACHILLES HEEL:
MICROBIOLOGY FOR THE STEWARD

8:00 – 8:45 a.m. Convention Center 253 B

Speaker(s): Pranita Tamma, MD**Learning Objectives:**

- Discuss the fundamental principles of microbiologic testing relevant to antibiotic stewardship
- Describe how to incorporate susceptibility testing cascades, synergy testing, and susceptibility testing of newer antibiotic agents into your program
- Discuss the crucial partnership between stewardship and microbiology for maximum productivity
- Describe how you harness your electronic medical record to improve diagnostic stewardship of microbiologic testing
- Discuss how to affect the culture or culturing – a behavioral approach

OWN THE TEST, DON'T LET THE TEST
OWN YOU: RAPID DIAGNOSTICS AND
STEWARDSHIP

8:45 – 9:30 a.m. Convention Center 253 B

Speaker(s): Daniel Morgan, MD, MS**Learning Objectives:**

- Describe commonly used rapid diagnostic tests (RDTs) in clinical microbiology
- Discuss emerging RDTs and their pros/cons and feasibility
- Describe strategies to improve diagnostic stewardship
- Discuss how to make the business case for new technology

NETWORKING BREAK

9:30 – 10:00 a.m. Grand Ballroom Foyer

FULL CONFERENCE

PUTTING THE FUN IN UNFUNDED:
REGULATORY REQUIREMENTS IN
POST-ACUTE & LONG-TERM CARE
SETTINGS

10:00 a.m. – 12:00 p.m. Convention Center 252

Moderators: Barbara Trautner, MD, PhD &
Carolee Estelle, MD**Speaker(s):**UnFUNded Fun with Drugs: Antibiotic Stewardship in
Nursing Homes – **Robin Jump, MD, PhD**Implementing Infection Control and Prevention in PA/LTC
Settings in 2019 – **Curtis Donskey, MD**Engineering a Plan for Legionella in Long-Term Care –
Laura Cooley, MD, MPHTMaWhat's Needling You? Vaccinations for PA/LTC Residents –
David Nace, MD, MPH**Learning Objectives:**

- Describe recent developments associated with implementation of effective antibiotic stewardship and infection prevention and control programs in PA/LTC settings
- Detail the requirements for the specialized training required for the Infection Prevention and Control Officer for Phase 3 of the Reform of Requirements
- Interpret and respond to the requirement to reduce Legionella risk in healthcare facility water system in PA/LTC settings.
- Recognize the rationale for and support successful strategies to vaccinate residents of PA/LTC settings

WORRIES WITH WATER

10:00 a.m. – 12:00 p.m. Convention Center 254

Moderators: David Henderson, MD &
Noleen Bennett, PhD**Speaker(s):**

From plumbing to patients: Introduction –

Joseph Perz, DrPH, MASink traps, hopper covers and bad bugs –
Tara Palmore, MDApplying HACCP to water – **Dale Krageschmidt, PhD**From plumbing to patients: Strategies and tools –
Joseph Perz, DrPH, MA**Learning Objectives:**

- Review how water related organisms can threaten patient safety in the healthcare environment.
- Learn about strategies and tools to identify and mitigate water related infection risks in your facility.

SHEA/CDC TRAINING COURSE

APPROACH TO EPIDEMIC/OUTBREAK
INVESTIGATION

10:00 – 10:45 a.m. Convention Center 253 A

Speaker(s): Arjun Srinivasan, MD**Learning Objectives:**

- Identify and define an outbreak
- Illustrate how to perform an outbreak analysis
- Analyze how to manage and control an outbreak
- Indicate methods to find and investigate cases in an outbreak investigation
- Recognize when a formal risk factor study is needed and how to select the appropriate study design (e.g., case control vs. cohort) for an outbreak investigation
- Recognize when and how to communicate with facility administrators, risk management, public affairs, clinical staff and patients/families about the need for, progress of, and outcome of an outbreak investigation
- Review the potential role of molecular typing of microbial isolates in an outbreak investigation

PROBLEM SESSION: OUTBREAK IN THE OPERATING ROOM

10:45 – 11:15 a.m. *Convention Center 253 A*

Speaker(s): Arjun Srinivasan, MD

Learning Objectives:

- *Apply the lessons of outbreak investigation to a real-world example*
- *Identify some of the practical issues that arise when doing an outbreak investigation*

UNIQUE ASPECTS OF PEDIATRIC INFECTION CONTROL

11:15 a.m. – 12:00 p.m. *Convention Center 253 A*

Speaker(s): Thomas Sandora, MD, MPH

Learning Objectives:

- *Identify risk factors for healthcare-associated infections that are unique to children*
- *Discuss common pediatric infections and how to prevent them*
- *Define unique aspects of infection control in special populations, including neonatal intensive care units*
- *Describe pediatric modifications to typical infection prevention strategies*

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

CHALLENGING CASES: GRAM NEGATIVE INFECTIONS

10:00 – 10:45 a.m. *Convention Center 253 B*

Speaker(s): Monica Mahoney, PharmD

Learning Objectives:

- *Identify common mechanisms of resistance for different bug/drug combinations among Gram negative pathogens*
- *Discuss novel therapeutic targets and agents for resistant Gramnegative infections*
- *Discuss updates in MICs and breakpoints and pros and cons of using these as a guide for antibiotic selection*

CHALLENGING CASES: GRAM POSITIVE INFECTIONS

10:45 – 11:15 a.m. *Convention Center 253 B*

Speaker(s): Ghinwa Dumyati, MD

Learning Objectives:

- *Identify common mechanisms of resistance for different bug/drug combinations among Gram positive pathogens*
- *Discuss alternative therapies such as aminoglycoside sparing options and long acting lipoglycopeptides*
- *Discuss how to utilize breakpoints as a guide for therapy*
- *Discuss updates in management of complicated Gram positive infections, such as enterococcal endocarditis and in IV drug use (in lieu of the rising opioid epidemic)*

ANTIBIOTIC ALLERGIES: THE GIFT THAT KEEPS ON GIVING

11:15 a.m. – 12:00 p.m. *Convention Center 253 B*

Speaker(s): Kimberly Blumenthal, MD, MSc


Learning Objectives:

- *Discuss what is known about the prevalence of reported antibiotic allergies in the community and in the hospital*
- *Discuss adverse consequences of alternative treatments, including MRSA and C. difficile infections*
- *Define how to engage non-allergists into your allergy assessment program*
- *Describe innovative strategies (such as smartphone technology) to demystify allergies*

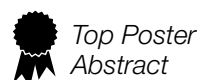
NETWORKING LUNCH WITH POSTER PRESENTATIONS

12:00 – 1:30 p.m.

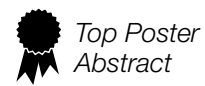
Galleria

- 200 **Evaluation of the Management of Skin and Soft tissue Infections in the Inpatient Setting**
Jennifer Emberger, VCU Medical Center; Khine Sann; Roy Sabo, Virginia Commonwealth University; Daniel Tassone; Michael Stevens, Virginia Commonwealth University School of Medicine; Leroy Vaughan, Veterans Affairs-Hunter Holmes McGuire Medical Center; **John Markley**, Virginia Commonwealth University Medical Center/Hunter Holmes McGuire VA Medical Center
- 201 **Implementation and Impact of Real-time Audit and Feedback on All Positive Blood Cultures**
Pamela Bailey, Virginia Commonwealth University Health System; Barry Rittmann, Virginia Commonwealth University; Roy Sabo, Virginia Commonwealth University; Leroy Vaughan, Veterans Affairs-Hunter Holmes McGuire Medical Center; Daniel Tassone; Amy Pakyz, Virginia Commonwealth University; Michael Stevens, Virginia Commonwealth University School of Medicine; John Markley, Virginia Commonwealth University Medical Center/Hunter Holmes McGuire VA Medical Center
- 206 **Characteristics of Inappropriate Ambulatory Antibiotic Use in a Large Midwest Health System**
Paul Carson, North Dakota State University; Liton Deb Chandra; Connor Schweitzer, University of North Dakota; Austin Hewitt, University of North Dakota School of Medicine and Health Sciences; Levi Schlosser, North Dakota State University; Jeff Rotar; Haimanot Berhane; Ross Crosby; Nathan Leedahl
- 214 **Implementation of a Multiplex PCR-based Molecular Test to Improve Patient Outcomes in Bacteremia: A System-Wide Approach**
Nancy Vuong, Memorial Hermann Memorial City Medical Center; Shivani Patel; Truc Tran; Patti Romeril, Memorial Hermann; Audrey Wanger
- 216 **Antimicrobial Usage in Tennessee Hospitals using the NHSN Antimicrobial Use and Resistance Module Antimicrobial Use Option**
Christopher Evans, TN Department of Health; Marion Kainer, Tennessee Dept. of Health; Meghana Parikh; Pamela Talley, Tennessee Department of Health; **Youssoufou Ouedraogo**, Tennessee Department of Health
- 218 **Integration of a New Rapid Diagnostic Test with Antimicrobial Stewardship in a Community Hospital**
Ioana Chirca, University Hospital; Adrienne Albrecht, University Hospital; Christa Pardue; David King; Ashni Patel, University of Virginia Health System
- 219 **Surgical Specialty and Facility Type Are Predictors of Implementation of Evidence-Based Surgical Prophylaxis Guidelines in Ambulatory Surgery**
 **Westyn Branch-Elliman**, VA Boston Healthcare System; Howard Gold, Beth Israel Deaconess Medical Center; Steven Pizer; Elise Dasinger; Hassen Abdulkerrim; Amy Rosen; Martin Charns; Mary Hawn; Kamal Itani; Hillary Mull
- 222 **Using Human Factors Engineering Principles to Develop Implementation Tools for Infection Control Practices**
Mary Jo Knobloch, William S Middleton Memorial Veterans Hospital and University of Wisconsin, Dept of Medicine; Nasia Safdar, University of Wisconsin, Madison; **Abigail Purfuerst**; Ann Schoofs Hundt; Pascale Carayon; Jackson Musuuza; Linda McKinley, Madison VA Hospital; Michelle Zimbric, Infectious Disease, Department of Medicine, School of Medicine and Public Health

- 235 **Dentists' perception of antimicrobial prescription for dental procedures in Japan**
Hitoshi Honda, Tokyo Metropolitan Tama Medical Center; Yasuaki Tagashira, Tokyo Metropolitan Tama General Medical Center
- 241 **Duplicative Urine Cultures in Hospitalized Patients: An Opportunity for Diagnostic Stewardship**
Satish Munigala; Melanie Yarbrough; Ronald Jackups; Carey-Ann Burnham; David Warren, Washington University School of Medicine; **Kap Sum Foong**, Washington University in St. Louis
- 245 **Use of Antibiotics without a Prescription in the United States**
Larissa Grigoryan, Baylor College of Medicine; George Germanos; Roger Zoorob; Shivanki Juneja; Jean Raphael; Michael Paasche-Orlow; **Barbara Trautner**, Baylor College of Medicine
- 246 **Clinical Impact of Automated Method for Identification and Susceptibility Testing of Bacterial Culture Isolates**
Valeria Midori Gutoski Yuki, Pontificia Universidade Católica do Paraná; Patricia Rocha; Ariadne Decarli; Felipe Tuon; Laís Nascimento; Larissa Esteves, PUCPR
- 249 **Improving Antimicrobial Stewardship Programs in Small Community Hospitals through an Assessment and Feedback Model**
Philip Chung, Nebraska Medicine, Nebraska Antimicrobial Stewardship Assessment and Promotion Program; Kate Tyner, Nebraska ICAP, Nebraska Medicine; Scott Bergman; Terry Micheels; Mark Rupp, Univ of Nebraska Medical Center; Michelle Schwedhelm; Maureen Tierney, Nebraska DHHS; Muhammad Salman Ashraf, University of Nebraska Medical Center; Trevor Van Schooneveld, University of Nebraska Medical Center, College of Medicine
- 256 **Utility of Mycobacterium Tuberculosis PCR in Ruling Out Active Disease and Its Impact on Isolation Requirements in a Low Prevalence Setting**
Ahmed Hamdi, Mayo Clinic; Omar Abu Saleh; Madiha Fida; Nancy Wengenack
- 258 **Use of a Novel Metric for Inter-Facility Comparison of Antimicrobial Consumption across Academic Medical Centers**
 **Barry Rittmann**, Virginia Commonwealth University; Andrew Noda, Virginia Commonwealth University Health System; Jihye Kim, VCU Health; Kimberly Lee, VCU Medical Center; Amy Pakyz, Virginia Commonwealth University; John Markley, Virginia Commonwealth University Medical Center/Hunter Holmes McGuire VA Medical Center; Emily Godbout, Children's Hospital of Richmond at VCUHS; Michelle Doll, Virginia Commonwealth University; Gonzalo Bearman, Virginia Commonwealth University VCUHS Epidemiology and Infection Control; Michael Stevens, Virginia Commonwealth University School of Medicine
- 259 **Diagnostic Error and Antibiotic Use in Patients Treated for Pneumonia: A Multi-Hospital Case Review**
Valerie Vaughn, University of Michigan Medical School; Vineet Chopra, University of Michigan Health System; Tejal Gandhi, University of Michigan Medical School; Latoya Kuhn, VA Ann Arbor Healthcare System; Steven Bernstein, Michigan Medicine; Allison Weinmann, Henry Ford Health System; Scott Kaatz, Henry Ford Hospital; Scott Flanders, Michigan Medicine; Smita Kohli, Henry Ford Hospital; Suzanne Winter, University of Michigan



- 261 **Infection Preventionists and Infectious Disease Specialists: A Collaborative Approach to Antimicrobial Stewardship**
Sandra Forsyth, Intermountain Healthcare; Sharon Sumner, Intermountain Medical Center; Katreena Merrill
- 263 **Antimicrobial Stewardship Targets in an Outborn, Surgical Neonatal Intensive Care Unit**
Isabelle Viel-Thériault, Children’s Hospital of Eastern Ontario; Erika Bariciak; Nicole Le Saux, Childrens Hospital of Eastern Ontario; Amisha Agarwal, CHEO; Nisha Thampi, Childrens Hospital of Eastern Ontario
- 268 **Factors Influencing the Facility-Level Measures of Antibiotic Utilization in Nursing Homes**
John Ziegler, University of Wisconsin School of Medicine and Public Health; Christopher Crnich, University of Wisconsin; James Ford, University of Wisconsin-Madison; Mozhdeh Bahrainian, University of Wisconsin
- 269 **Description of Antibiotic Use in U.S. Nursing Homes Using Electronic Health Record Data-2017**
Sarah Kabbani, Centers for Disease Control and Prevention; Stanley Wang; Danielle Palms; Laura Ditz; Theresa Rowe; David Hyun, The Pew Charitable Trusts; Nancy Chi; Nimalie Stone, CDC; Lauri Hicks, Centers for Disease Control and Prevention
- 274 **A disease-specific antibiogram is recommended for acute uncomplicated cystitis (AUC)**
Frances Ue, Cambridge Health Alliance/ Harvard Medical School; Lou Ann Bruno-Murtha, Cambridge Health Alliance; Rebecca Osgood
- 275 **Spinal Cord Injury Provider Knowledge and Attitudes Towards Antibiotic Stewardship for Bacteriuria: Mixed Methods Analysis**
Felicia Skelton-Dudley, Center for Innovations in Quality, Effectiveness and Safety, Houston VA; Larissa Grigoryan, Baylor College of Medicine; Sarah May, Baylor College of Medicine; Lindsey Martin; Ivy Poon; S. Ann Holmes; Barbara Trautner, Baylor College of Medicine
- 276 **Cumulative Regional and Statewide Antibiogram Using WHONET and National Healthcare Safety Network (NHSN) Antimicrobial Resistance (AR) Module Data**
Sandra A. Peña, Epidemiologist, Tennessee Department of Health; Matthew Estes, Tennessee Department of Health; Christopher Evans, TN Department of Health; Nora Cox, Tennessee Department of Health; Pamela Talley, Tennessee Department of Health; Marion Kainer, Tennessee Dept. of Health
- 277 **Antibiotic-Associated Adverse Drug Events in Hospitalized Children**
Rebecca Same, Johns Hopkins University Division of Pediatric Infectious Diseases; Pranita Tamma, Johns Hopkins; Joe Amoah; Matthew Kronman; Adam Hersh
- 281 **Pharmacist-Driven Vancomycin Stewardship Initiative Utilizing Staphylococcus aureus Nasal Polymerase Chain Reaction Assays in Pneumonia Patients**
Samantha Loutzenheiser, Cleveland Clinic Medina Hospital; Michelle Poole; Andrea Pallotta; Kyle Stitch
- 285 **Improving Quality of Care in Skilled Nursing Facilities: Outcomes from a Pilot Antimicrobial Stewardship Program**
 Amy Duckro, Kaiser Permanente, Colorado; **Dwight Paulson**, Kaiser Permanente Colorado; Thomas Delate
- 286 **Influence of Vancomycin Therapeutic Drug Monitoring Strategy on Acute Kidney Injury**
Katie Wallace, University of Kentucky HealthCare; Derek Forster, University of Kentucky School of Medicine; Eric Gregory, The University of Kansas Health System; David Burgess, University of Kentucky College of Pharmacy; Thein Myint; Donna Burgess; Sarah Cotner; Chris Ullum; Yan Xu; Nannan Li; Jeremy VanHoose
- 289 **Analysis of Antimicrobial Approval Call Volume Following Meropenem Restriction at an Academic Medical Center**
Kimberly Lee, VCU Medical Center; Barry Rittmann, Virginia Commonwealth University; Andrew Noda, Virginia Commonwealth University Health System; Emily Godbout, Children’s Hospital of Richmond at VCUHS; John Markley, Virginia Commonwealth University Medical Center/Hunter Holmes McGuire VA Medical Center; Amy Pakyz, Virginia Commonwealth University; Jihye Kim, VCU Health; Michelle Doll, Virginia Commonwealth University; Gonzalo Bearman, Virginia Commonwealth University VCUHS Epidemiology and Infection Control; Michael Stevens, Virginia Commonwealth University School of Medicine
- 291 **Ambulatory Antibiotic Prescribing Practices in South Carolina: Rates by Gender and Resident’s Location**
Mariam Younas, Palmetto Health University of South Carolina Medical Group/ University of South Carolina School of Medicine; Julie Royer; Hana Rac, University of South Carolina College of Pharmacy; Sharon B. Weissman, USC; Katie S. Waites; Julie A. Justo; Brandon Bookstaver; Linda Bell; Majdi Al-Hasan, University of South Carolina
- 292 **Just in Time: Impact of Electronic Stewardship on Hospital-associated Clostridium difficile infections**
Barbara Lambl, North Shore Medical Center; Nathan Kaufman; Bruce Beckwith; Camden P. Bay; Mitchell Rein; Marc Rubin
- 296 **Variation in Provider-Specific Antibiotic Use among Hospitalists: Experience Matters**
Zanthia Wiley, Emory; Jesse Jacob, Emory University; Scott Fridkin, Emory Healthcare and Emory University; Ashley Jones; Julianne Kubes, Emory Healthcare
- 299 **The Impact of Formulary Restriction on Relative Carbapenem Use in the Emergency Department at an Academic Medical Center**
Kevin Ganesh, VCU health Department of Medicine; Andrew Kirk; John Markley, Virginia Commonwealth University Medical Center/ Hunter Holmes McGuire VA Medical Center; Amy Pakyz, Virginia Commonwealth University; Jihye Kim, VCU Health; Emily Godbout, Children’s Hospital of Richmond at VCUHS; Andrew Noda, Virginia Commonwealth University Health System; Kimberly Lee, VCU Medical Center; Michelle Doll, Virginia Commonwealth University; Gonzalo Bearman, Virginia Commonwealth University VCUHS Epidemiology and Infection Control; Michael Stevens, Virginia Commonwealth University School of Medicine
- 306 **Implications of Measuring Chlorhexidine Gluconate (CHG) Skin Concentrations Among Medical Intensive Care Unit (MICU) Patients Receiving CHG Bathing**
Yoona Rhee, Rush University Medical Center; Andrew T Simms, Rush University Medical Center; Karen Lolans, RUMC; Pamela Bell; Arthur Baker, Duke University School of Medicine; Shruti Gohil, UC Irvine Div Infectious Diseases; Chanu Rhee, Harvard Medical School and Harvard Pilgrim Health; Naasha Talati; David Warren, Washington University School of Medicine; Sharon Welbel; Meghan Baker, Partners; Thelma Dangana, Rush University Medical Center; Thelma Majalca; Heilen Bravo; Michael Schoeny; Candice Cass; Alicia Nelson, DUMC; Pam Tolomeo, University of Pennsylvania Perelman School of Medicine; Robert Wolf, Harvard Medical School; Michael Lin, Rush University Medical Center; Rachel Yelin; Mary Hayden, Rush University Medical Center
- 310 **Antimicrobial Stewardship in Immunocompromised Patients: Management of Febrile Neutropenia at Stanford University**
Amy Chang, Stanford University; Stanley Deresinski, Private Practice; Marisa Holubar; Aruna Subramanian; Bruno Medeiros; Lena Meng; Emily Mui, Stanford Health Care; Michaela Leidke



- 311 **Intervention on antibiotic prophylaxis in pediatric dental surgery at a children's hospital**
Keiko Okita, Tokyo Metropolitan Children's Hospital; Junichi Suwa; Hiroshi Higuchi; Kotaro Araki; Yuta Aizawa, Niigata University Graduate School of Medical and Dental Sciences; Kahoru Fukuoka, Tokyo Metropolitan Children's Medical Center; Kiyokazu Ogata; Yuho Horikoshi, Tokyo Metropolitan Children's Medical Center; Takemi Murai
- 312 **Effect of Geographic Distance from Central Laboratory on Urinary Specimen Contamination**
Michael Yarrington, Duke University Medical Center; Rebekah Moehring, Duke University Medical Center; Chris Polage; Yuliya Lokhnygina
- 317 **Tailored Antibiotic Duration with Machine Learning in Hospitalized Community Acquired Pneumonia (CAP) Patients**
 **Christopher Josef**, Emory; Russell Jeter; Shamim Nemati; Chad Robichaux, Emory University; Scott Fridkin, Emory Healthcare and Emory University; **Max Adelman**, Emory University
- 323 **Analysis of Multi-Year Trends in Adherence to Institutional Criteria for the Use of Intravenous Vancomycin in a Community-Based Teaching Hospital**
Curtis Collins, St. Joseph Mercy Health System; **Anurag Malani**, St. Joseph Mercy Health System; Michael Kwiatkowski, Bronson Methodist Hospital; Emily Han; Scott Kollmeyer; Deven Millay; Johnny Chang
- 326 **Antibiotic Transitions between Hospital to Nursing Home: How Safe is It?**
 **Drew Dickinson**, Yale School of Public Health; Susan Huang, University of California Irvine School of Medicine; Syma Rashid; Thomas Tjoa, University of California at Irvine; Diane Kim
- 327 **Targeted Infection Prevention Efforts Associated with Significant Reduction in Infections in 2 years in a Large Hospital System**
Kristin Dascomb, Intermountain Healthcare; Eddie Stenehjem, Intermountain Healthcare; Cherie Frame, Intermountain Healthcare; Bert Lopansri; Russ Osguthorpe; Shannon Phillips; Crissy Elliott; Caroline Taylor; Janette Orton
- 330 **Performance of Simplified, Symptom-based Case Definitions for Surgical Site Infection (SSI) Surveillance in Resource-limited Settings**
Matthew Westercamp, Centers for Disease Control and Prevention; Rachel Smith, Centers for Disease Control and Prevention; Maggie Dudeck, Centers for Disease Control and Prevention; Katherine Allen-Bridson; Rebecca Konnor; Benjamin J. Park
- 333 **When is a Control Not a Control?**
Eric Lofgren, Washington State University
- 339 **That's Intense... Creation of an Intensive Care Unit-specific Antibiogram to Drive Stewardship Recommendations for Critical Care**
Polina Trachuk, Montefiore Medical Center; Francis Wadskier Montagne, Montefiore Medical Center; Priya Nori, Montefiore Medical Center/Einstein College of Medicine; Yi Guo; Uzma Sarwar
- 340 **Back Table Perfusate Fluid Culturing Does Not Reduce Infections or Mortality in Liver Transplant Patients, and Leads to Increased Antimicrobial Usage**
Peter Volpe, University of Pittsburgh Medical Center; Brooke Decker, VA Pittsburgh; Deanna Buehrle; Cornelius J. Clancy; Minh H. Nguyen
- 342 **Impact of Stepwise Intervention for Reducing Duration of Antibiotic Therapy by a Pharmacist and Infectious Disease Physicians**
Dahye Kim, Department of Pharmacy, Seoul National University Bundang Hospital, Seongnam, Korea; Eu Suk Kim, Seoul National University Bundang Hospital; Euni Lee, Seoul National University; Eunsook Lee; Hyungwook Namgung; Hyung-sook Kim; Hyunju Lee; Song Mi Moon; Kyoung-Ho Song; Hong Bin Kim, Seoul National University Bundang Hospital; Jun-won Seo, Seoul National University
- 347 **Relative Carbapenem Use for a Burn ICU at an Academic Medical Center**
Jacob Pierce, VCU Medical Center; Michael Stevens, Virginia Commonwealth University School of Medicine; John Markley, Virginia Commonwealth University Medical Center/Hunter Holmes McGuire VA Medical Center; Andrew Kirk; Amy Pakyz, Virginia Commonwealth University; Kimberly Lee, VCU Medical Center; Michelle Doll, Virginia Commonwealth University; Andrew Noda, Virginia Commonwealth University Health System; Gonzalo Bearman, Virginia Commonwealth University VCUHS Epidemiology and Infection Control; Emily Godbout, Children's Hospital of Richmond at VCUHS
- 350 **Integrating Antibiotic Stewardship into Graduate Medical Education: Time for a Mandate**
 Emil Lesho, Rochester Regional Health;
- 351 **Maryrose Laguio-Vila**
 **Impact of Cascade Reporting of Antimicrobial Susceptibility on the Consumption of Fluoroquinolone Antibiotics at a Veterans Affairs Medical Center**
Nicole Vissichelli, Virginia Commonwealth University Health System; Jane Cecil; Chris Einspahr; Betty Forbes; Emily Hill; Michael Stevens, Virginia Commonwealth University School of Medicine; Daniel Tassone; Leroy Vaughan, Veterans Affairs-Hunter Holmes McGuire Medical Center; John Markley, Virginia Commonwealth University Medical Center/Hunter Holmes McGuire VA Medical Center
- 355 **Effect of a Multilayer Model of Pharmacy Participation in Antimicrobial Stewardship in the ED of a Large Academic Medical Center**
Vinh Pham, NYU Langone Health; Teresa Lubowski, IPRO; Lisa Anzisi; Yanina Dubrovskaya; Jaishvi Eapen, NYU Langone Medical Center
- 356 **Antibiotic Prescribing in Outpatient Dental Practice: Opportunities for Antibiotic Stewardship**
David Banach, University of Connecticut School of Medicine; Ethan Cope; Zachary Ward; Steven Lepowsky
- 359 **Empiric Antibiotic Use in United States Children's Hospitals: a Novel Opportunity for Antibiotic Stewardship**
Kathleen Chiotos, Children's Hospital of Philadelphia; Lauren D'Arinzo; Eimear Kitt, Children's Hospital of Philadelphia; Rachael Ross; Jeffrey Gerber
- 361 **Meta-analysis of Efficacy of Definitive Therapy of Beta-lactams versus Vancomycin for Methicillin-Susceptible Staphylococcus aureus Bacteremia**
Khalid Eljaaly, King Abdulaziz University; Sarah Almalki, King Abdul-aziz University; Rahaf Almelabi; Raghad Alsaedi; Khadijah Alamari
- 362 **Outpatient Fluoroquinolone Prescribing Patterns Before and After FDA Warning**
Andrew Bratsman, Baylor College of Medicine; Larissa Grigoryan, Baylor College of Medicine; Rory Laubscher; Stacey Rose; Kristen Mathias, Baylor College of Medicine

PLENARY

PARTNERING WITH NON-PROFITS TO IMPROVE ANTIBIOTIC STEWARDSHIP: THE PEW CHARITABLE TRUSTS

1:30 – 2:30 p.m. *Grand Ballroom*

Moderators: Judy Guzman-Cottrill, DO & Tom Sandora, MD, MPH

Speaker(s):

One-on-One Interview: How The “Antibiotic Resistance Project” Supports the Work We Do – **Allison Aubrey, MS & David Hyun, MD**

Learning Objectives:

- Recognize why antibiotic stewardship became a priority for The Pew Charitable Trusts
- Describe how the Antibiotic Resistance Project supports the goals of an Antibiotic Stewardship Program

NETWORKING BREAK

2:30 – 2:45 p.m. *Grand Ballroom Foyer*

FULL CONFERENCE

SEPSIS...A SEAT AT THE TABLE

2:45 – 4:00 p.m. *Convention Center 254*

Moderators: Edward Septimus, MD & Kavita Trivedi, MD

Speaker(s):

Case Study: Understanding Sepsis Management using the QI Lens – **Chanu Rhee, MD, MPH**

Aligning AS and Sepsis Management Goals – **Samir Kadri, MD**

Learning Objectives:

- Discuss challenges and controversies associated with sepsis quality improvement efforts and future directions, including the potential role of the infectious disease and healthcare epidemiology community
- Describe the epidemiology of antibiotic resistance and antibiotic use in sepsis across the U.S.
- Discuss nuances in antibiotic prescribing for sepsis and finding the balance between sepsis management and antibiotic stewardship

WHAT'S NEW IN SSI PREVENTION?

2:45 – 4:00 p.m. *Convention Center 252*

Moderators: Westyn Branch-Elliman, MD, MMSc & Rajeshwari Nair, PhD, MBBS, MPH

Speaker(s):

Behind Closed Doors: What Surgeons are Doing to Prevention Infections and the Evidence to Support It – **Deborah Yokoe, MD, MPH**

Too Many Open Doors: The Association between OR Traffic and SSI – **Trish Perl, MD, MSc**

Public Reporting and Hospital Payment Incentives: Are They Holding Providers and Hospitals Accountable for SSI? – **Michael Calderwood, MD, MPH**

Learning Objectives:

- Describe some areas of controversy around SSI and the available evidence behind these interventions:
 - a. Topical antibiotics and antibiotic impregnated cement
 - b. Surgical wound irrigation with antibiotic or antiseptic solutions
 - c. Impact of frequent door openings on SSI risk
 - d. Other controversial interventions
- Describe how frequent door openings and noise in the operating room can lead to SSIs and interventions to promote calm in the OR
- List how SSIs are publicly reported
- Assess the evidence for or against an association between public reporting and SSI rates

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

TELEMEDICINE OPPORTUNITIES IN ASP: THINKING OUTSIDE THE BOX

2:45 – 3:15 p.m. *Convention Center 253 B*

Speaker(s):

More than Just Phoning It In: Tele-Stewardship for PA/LTC Settings – **Robin Jump, MD, PhD**

Calling All Hospitals: Tele-Antimicrobial Stewardship for Acute Care and Health Systems – **Nathan Shively, MD**

Learning Objectives:

- Describe various ways of utilizing telemedicine to enhance ASP in all care settings
- Discuss strengths and weaknesses of off-site ASP via telemedicine
- Discuss medical-legal issues in telemedicine

STEWARDSHIP CASE STUDIES IN LONG TERM CARE

3:15 – 4:00 p.m. *Convention Center 253 B*

Speaker(s):

Public Health Perspective – **Ghinwa Dumyati, MD**

Academic Medical Center Perspective – **Shira Doron, MD**

Learning Objectives:

- Review a case-based format, describe most common syndromes encountered in long term care in need of stewardship intervention due to inaccurate diagnosis or inappropriate treatment
- Describe best use of limited resources to implement stewardship in long term care and establish antibiotic use and microbiologic testing best practices
- Discuss how to share stewardship expertise with long term care facility partners

SHEA/CDC TRAINING COURSE

POST-ACUTE CARE AND LONG-TERM CARE: CHANGING THE NATIONAL LANDSCAPE AND INFECTION PREVENTION

2:45 – 3:45 p.m. *Convention Center 253 A*

Speaker(s): Nimalie Stone, MD, MS

Learning Objectives:

- Describe the differences in infrastructure for clinical care and infection prevention in post-acute and long-term care settings compared with acute care hospitals
- Describe the gaps and challenges in implementing infection prevention and antibiotic stewardship programs in post-acute and long-term care settings
- Highlight the national initiatives which are driving surveillance and prevention activities in this setting

BAD BUGS: AN OVERVIEW OF ANTIBIOTIC RESISTANCE

3:45 – 4:45 p.m. *Convention Center 253 A*

Speaker(s): Geeta Sood, MD, ScM

Learning Objectives:

- Review how to identify organisms and resistance mechanisms of epidemiologic significance
- Describe the most common antibiotic resistance processes and genes
- Identify risk factors for developing resistance
- Discuss transmission of drug-resistant organisms

FULL CONFERENCE

TACKLING THE FECAL PATINA: IT TAKES MORE THAN A MOP

4:15 – 5:45 p.m. *Convention Center 254*

Moderators: Bernard Camins, MD, MSc & Jessica Howard-Anderson, MD

Speaker(s):

The role of Human Factors Engineering in *Clostridium difficile* prevention – **Ayse Gurses, PhD, MS, MPH**

Emerging Prevention Strategies for *Clostridium difficile* – What Does the Future Hold? – **Erik Dubberke, MD, MSPH**

Learning Objectives:

- Develop strategies to partner with bedside nursing to reduce *Clostridium difficile* rates
- Analyze the role of human factors and systems in *C. difficile* prevention efforts
- Identify emerging next generation prevention strategies for *Clostridium difficile*

ORAL ABSTRACT SESSION: BIG BAD BACTERIA – MDR GNR

4:15 – 5:45 p.m. *Convention Center 252*

Moderators: Ana Maria Vaughan, MD, MPH & Thomas Fraser, MD



Research Scholar Award: Improving Blood Culture Ordering Practices in Hospitalized Adult Patients

Valeria Fabre, MD, Johns Hopkins University; Alejandra Salinas, BS, Research Program Coordinator, Johns Hopkins University School of Medicine; Karen Carroll, MD, Microbiology Laboratory Director, Johns Hopkins University School of Medicine; Aaron Milstone, MD, Associate Professor, Johns Hopkins University; Sara Cosgrove, MD; MS, Professor of Medicine; Medical Director, Department of Antimicrobial Stewardship, Johns Hopkins University School of Medicine

216 **Epidemiology of Extended-Spectrum Beta-Lactamase-Producing Enterobacteriaceae in Five U.S. Emerging Infections Program Sites, 2017**

Hannah E. Reses, Centers for Disease Control and Prevention; Isaac See, Centers for Disease Control and Prevention; Sarah J. Janelle; Kyle Schutz; Wendy Bamberg; Paulina A. Rebolledo; Chris Bower, Georgia Emerging Infections Program; Rebekah Blakney; Jesse Jacob, Emory University; Erin C. Phipps; Kristina G. Flores; Ghinwa Dumyati, University of Rochester; Hannah Kopin, University of Rochester; Rebecca Tsay; Marion Kainer, Tennessee Dept. of Health; Daniel Muleta; Benji Byrd-Warner, Tennessee Department of Health; Shelley Magill, Centers for Disease Control and Prevention; Davina Campbell; Maria Karlsson; Nadia Duffy, Centers for Disease Control and Prevention

239 **Transmission of OXA-23-Producing Carbapenem-Resistant Acinetobacter baumannii Through Lung Transplantation**

Ana Bardossy, Centers for Disease Control and Prevention; Pallavi Annambhotla, Centers for Disease Control and Prevention; Sridhar Basavaraju; Dana Pepe, 1) Connecticut Department of Public Health, 2) Yale School of Medicine, 3) LEAP Fellow, IDSA/SHEA/PIDS; Meghan Maloney, Connecticut Department of Public Health, Healthcare Associated Infections & Antimicrobial Resistance Program; Emily Snavely, New York State Department of Health Wadsworth Center; Wolfgang Haas; Elizabeth Nazarian, Wadsworth Center-NYS DOH; Kimberlee Musser; Maroya Walters, Centers for Disease Control and Prevention; Lauren Epstein, CDC

266 **Reassessing the Need for Contact Precautions for Extended Spectrum β -Lactamase Organisms**

Lindsey Gottlieb, Icahn School of Medicine at Mount Sinai; Gopi Patel, Icahn School of Medicine at Mount Sinai; Sarah Schaefer, Mount Sinai; Emily Walits

373 **Risk Factors Associated with Carbapenemase-Producing Enterobacteriales (CPE) Positivity in the Hospital Wastewater Environment**

Stacy Park, University of Virginia; Amy Mathers; Shireen Kotay; Katie Barry; Kasi Vegesana; Sarah Dudley, Katy Short, Fraser Health; Elizabeth Brodtkin, Fraser Health Authority; Alexandra Jude; Anne Brownlee, Fraser Health Authority; Benjamin Mack

512 **Hospital's Experience with Preventing Nosocomial Transmission of Carbapenemase-Producing Enterobacteriaceae During a Community Outbreak**

Katy Short, Fraser Health; Elizabeth Brodtkin, Fraser Health Authority; Alexandra Jude; Anne Brownlee, Fraser Health Authority; Benjamin Mack

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

THE NEVER EVENTS: MANAGING PROVIDER AND PATIENT EXPECTATIONS

4:15 – 5:00 p.m. *Convention Center 253 B*

Speaker(s): Andrew Morris, MD, SM

Learning Objectives:

- Identify clinical conditions misdiagnosed as infections in which a stewardship intervention to eliminate antibiotic use is appropriate
- Discuss communication strategies for both patients and providers that promote appropriate antibiotic use
- Describe successful strategies for managing patient and provider expectations in the inpatient and outpatient settings

PRO/CON: HUMAN VS MACHINE – MOST BANG FOR YOUR ASP BUCK?

5:00 – 5:45 p.m. *Convention Center 253 B*

Speaker(s):

Human – **Andrew Morris, MD, SM**

Machine – **Luke Schulz, PharmD**

Learning Objectives:

- Describe key financial metrics that can be used to measure success of an ASP
- Describe how to synthesize and present data alone and in combination to tell the story
- Discuss effective ways to use financial data to drive change or enhance existing programs
- Discuss how to translate susceptibility data into dollars and sense

SHEA/CDC TRAINING COURSE

OVERVIEW OF ANTIBIOTIC STEWARDSHIP

5:00 – 5:45 p.m. *Convention Center 253 A*

Speaker(s): Lauri Hicks, DO

Learning Objectives:

- Define and discuss the rationale for antibiotic stewardship
- Characterize antibiotic use in the United States and opportunities for improvement
- Describe strategies and interventions to improve antibiotic prescribing practices
- Discuss national initiatives to encourage and enhance antibiotic stewardship

5TH ANNUAL SHEA EDUCATION AND RESEARCH FOUNDATION DINNER

(TICKETED EVENT)

6:00 – 9:30 p.m. The Spirit, a Boston Harbor Cruise

Please note: The Harbor is walkable from the hotel and no transportation will be provided. SHEA Staff will be guiding the walking way starting in the Westin Lobby. Please arrive no later than 6:45 p.m. for boarding. No refund will be provided to those who miss the boat's departure.

WOMEN IN EPI BREAKFAST

6:30 – 7:50 a.m. *Commonwealth Ballroom*

POSTER VIEWING BREAKFAST

7:00 – 7:50 a.m. *Galleria*

FULL CONFERENCE

EBOLA 5 YEARS LATER: APPLYING LESSONS LEARNED FROM THE BIOCONTAINMENT UNITS TO THE WARD

8:00 – 9:30 a.m. *Convention Center 254*

Moderators: Clare Rock, MD, MS & Susan Bleasdale, MD

Speaker(s):

Ebola Preparedness: A Systemic Review – **Marin Schweizer, PhD**

Human Factors Engineering to Improve Healthcare Worker Safety During Patient Care – **Jesse Jacob, MD**

Can Disinfecting PPE Reduce Microbial Contamination? – **Ayse Gurses, PhD, MS, MPH**

Learning Objectives:

- Identify the impact of Ebola preparedness on HCW knowledge and compliance with isolation precautions.
- Integrate human factors engineering approaches into effective infection prevention interventions
- Evaluate approaches, including disinfection, to reduce cross-contamination during PPE doffing, during routine patient care.

QUALITATIVE AND MIXED-METHODS RESEARCH STRATEGIES WITH A PRACTICAL TWIST FOR INFECTION PREVENTION

8:00 – 9:30 a.m. *Convention Center 252*

Moderators: Molly Harrod, PhD & Sarah Krein, PhD, RN

Speaker(s):

Data Collection Using Structured and Unstructured Methods, Moving From What To Why – **Sarah Krein, PhD, RN & Lindsay Visnovsky, PhD, MS**

Beautiful Data, What We Learn From Different Types Of Data And Making The Data Speak – **Sarah Krein, PhD, RN**

Learning Objectives:

- Identify different strategies for collecting data to improve infection prevention practices and the pros and cons of these different strategies
- Describe ways of combining and presenting different types of data to better inform infection prevention activities

ORAL ABSTRACT SESSION: ANTIMICROBIAL STEWARDSHIP IN ACTION

8:00 – 9:30 a.m. *Convention Center 253 B*

Moderators: Kevin Hsueh, MD & Muhammad Salman Ashraf, MBBS

201 **Identifying Predictive Clinical factors for Antimicrobial Use in a Hospital Inpatient Population**

Derek Yee, Washington University School of Medicine; Kevin Hsueh, Washington University School of Medicine

258 **Fluoroquinolone Use at Hospital Discharge: A New Target for Antimicrobial Stewardship Efforts**

Hiroyuki Suzuki, University of Iowa Hospitals and Clinics; Eli Perencevich, University of Iowa, Carver College of Med; Bruce Alexander; Brice Beck; Michihiko Goto, University of Iowa/Iowa City VAMC; Brian Lund; Rajeshwari Nair, The University of Iowa, Department of Internal Medicine; Daniel Livorsi, University of Iowa, Department of Internal Medicine

265 **Epidemiology of Antibiotic Prescribing for Urinary Tract Infection in Nursing Home Residents**

Nicola Thompson, Centers for Disease Control and Prevention; Austin Penna, Centers for Disease Control and Prevention; Taniece Eure; Wendy Bamberg; Grant Barney; Devra Barter; Paula Clogher; Malini DeSilva; Erin Epton, California Department of Public Health, Healthcare-Associated Infections Program; Linda Frank, California Emerging Infections Program; Deborah Godine, California Emerging Infections Program; Lourdes Irizarry; Marion Kainer, Tennessee Dept. of Health; Linda Li; Ruth Lynfield; J.P. Mahoehney; Joelle Nadle, California Emerging Infections Program; Valerie Ocampo, Oregon Health Authority; Susan Ray; Sarah Shrum; Marla Sievers, New Mexico Department of Health; Lucy Wilson; Alexia Zhang, Oregon Health Authority; Nimalie Stone, CDC; Shelley Magill, Centers for Disease Control and Prevention; Lewis Perry

328 **Descriptive Epidemiology of Outpatient Nurse Practitioner and Physician Assistant Antibiotic Prescriptions in Retail Walk-In Clinics**

Jillian Hayes, Vanderbilt University Medical Center; Thomas Talbot, Vanderbilt University School of Medicine; George Nelson, Vanderbilt University School of Medicine; Whitney Nesbitt, Vanderbilt University Medical Center; Patty Wright; Clay Smith, Vanderbilt University Medical Center

498 **Variability in Antibiotic Prescribing in a Large Urgent Care Network**

Eddie Stenehjem, Intermountain Healthcare; Adam Hersh; Naresh Kumar, Intermountain Healthcare; Valoree Stanfield; Raj Srivastava; Anthony Wallin; Matthew Samore, University of Utah School of Medicine; Jeff Sorensen

501 **Improving Antibiotic Use in Nursing Homes Through Delayed Action Protocols and Antibiotic Review: Results of a Multi-Center Controlled Clinical Trial.**

Christopher Crnich, University of Wisconsin; James Ford, University of Wisconsin-Madison; Edmond Ramly; DaRae Coughlin; Mozhddeh Bahrainian, University of Wisconsin; Grace Welham; Therese Van Male; Gulsum Anderson; Stacey Saracco; Svetlana Bondar, University of Wisconsin-Madison; Tola Ewers, University of Wisconsin-Madison; David Nace, University of Pittsburgh Institute on Aging

SHEA/CDC TRAINING COURSE

LEADERSHIP AND COMMUNICATION SKILLS

8:00 – 8:45 a.m. Convention Center 253 A

Speaker(s): Hilary Babcock, MD, MPH

Learning Objectives:

- Discuss Agenda development, Inclusiveness, Action and follow up
- Review responsibility, task management and feedback mechanisms
- Identify the importance of collaboration with other hospital groups/teams and stakeholders
- Recognize the basics of effective communication
- Indicate basic skills for effective negotiation
- Demonstrate how to speak to the financial impacts and cost-effectiveness of proposed interventions

THE HOSPITAL EPIDEMIOLOGIST AS A CLINICIAN EDUCATOR

8:45 – 9:30 a.m. Convention Center 253 A

Speaker(s): Thomas Sandora, MD, MPH

Learning Objectives:

- Distinguish principles of adult learning necessary to effectively teach and to design educational interventions
- Identify the forums and tools for effective delivery of education including didactic lectures, small-group case-based discussions, and one-on-one instruction
- Classify the target audience and be able to vary teaching modalities & methods based on audience, level of training and knowledge base
- Identify mechanisms for delivering education including unit-level training, hands-on skills demonstration, computer-based modules, and simulation
- Assess the stage of the learner, ensure topic is meaningful and relevant to learner's work, articulate goals, encourage active learner involvement, and provide feedback

NETWORKING BREAK

9:30 – 10:00 a.m. Grand Ballroom Foyer

FULL CONFERENCE

HAI IN PEDIATRICS 2019

10:00 a.m. – 12:00 p.m. Convention Center 254

Moderators: Julia Sammons, MD & Ana Marie Vaughan, MD, MPH

Speaker(s):

CAUTI: P is for Prevention – **Susan Coffin, MD, MPH**

SSI – **Ann-Christine Nyquist, MD, MSPH**

Preventing Healthcare Associated Viral Infections Outside the Hospital – **Matthew Linam, MD, MS**

HICPAC – **Kristina Bryant, MD**

Learning Objectives:

- Discuss current strategies to prevent CAUTIs in children
- Discuss current strategies to prevent SSIs in children

- Discuss the role clinical care algorithms for neonatal sepsis have in antibiotic and diagnostic stewardship in neonates.
- Discuss recent updates to HICPAC guidelines and how they will impact pediatrics

ORAL ABSTRACT SESSION: C. DIFFICILE AND OUTBREAKS

10:00 a.m. - 12:00 p.m. Convention Center 252

Moderators: Pamela Bailey, DO & Kemper Alston, MD, MPH

245 **Patients with Healthcare-Associated *Clostridium difficile* Infection Are Often Colonized with the Infecting Strain on Admission by Whole Genome Sequence**

Jennifer Cadnum, Cleveland VA Medical Center; Melany Gonzalez-Orta; Carlos Saldana, Cleveland Clinic; Annette Jenson; Chetan Jinadatha, Central Texas Veterans Health Care System; **Curtis Donskey**, Cleveland VA Medical Center

339 **Provider Interpretation of PCR+/Toxin- Results and Prescribing Practices after a Change to Two-Step *Clostridioides difficile* Testing**

Matthew Lee, Beth Israel Deaconess Medical Center; Preeti Mehrotra, BIDMC; Howard Gold, Beth Israel Deaconess Medical Center; Sharon Wright, Beth Israel Deaconess Medical Center

358 **Assessing the Impact of an Electronic Medical Record Intervention to Reduce Inappropriate Testing for Hospital-Onset *Clostridioides difficile***

Jessica Howard-Anderson, Emory University; Mary Elizabeth Sexton, Emory University School of Medicine; Chad Robichaux, Emory University; Jesse Jacob, Emory University; Jay Varkey; Zanthia Wiley, Emory; Benjamin Albrecht, Emory University Hospital; Ashley Jones

374 **Epidemiology of primary and recurrent pediatric *Clostridioides difficile* in Canada, 2015-2017**

Nisha Thampi, Childrens Hospital of Eastern Ontario; George Golding; Kelly Baekyung Choi, Public Health Agency of Canada; Jeannette Comeau, Dalhousie University; Joanne Embree; Sarah Khan; Bonita Lee; Marie-Astrid Lefebvre, Montreal Childrens Hospital, McGill University Health Centre; Michelle Science, The Hospital for Sick Children; Jocelyn Strigley, BC Children's & Women's Hospitals; Joseph Vayalumkal; Romeo Hizon; Timothy Du; Kevin Katz, North York General Hospital

396 **Reducing *C. difficile* Risk: Guiding Appropriate Acid Suppression in Hematology-Oncology Units**

Matthew Ziegler, University of Pennsylvania; Craig Freyer; Daniel Landsburg; David Pegues, HUP University of Pennsylvania Health System; Rebecca Hirsh; Colleen Kucharczuk; Cheryl Gilmar, Hospital of the University of Pennsylvania; Theresa Gorman; Melissa Palmer; Christina Harker; Erin Lighthouse; Jennifer Han, Hospital of the University of Pennsylvania

377 **Bacterial Infections Linked to Umbilical Cord Blood-Derived Products – Texas, Florida, and Arizona, 2018**

Kathleen Hartnett, CDC; Kiran Perkins, CDC; Nychie Dotson, Florida Department of Health; Danielle Rankin, Florida Department of Health; Samantha Spoto, Florida Department of Health-Hillsborough County; Robert Hunter, California Department of Public Health, Laboratory Field Services; Jon Rosenberg, California Department of Public Health; Kara Tarter, Arizona Department of Health Services; Rachana Bhattarai, Arizona Department of Health Services; Gillian McAllister, CDC; Erin Breaker, CDC; Paige Gable, CDC; Valerie Stevens, CDC - Division of Healthcare Quality Promotion; Alison Laufer Halpin, US CDC; Heather Moulton-Meissner, Centers for Disease Control; Krista Powell, CDC

538 **Bioaerosol Dispersion from Heater-Cooler Devices during Simulated Cardiac Surgery: A Controlled Intervention Study**
Bryan Christensen, CDC; Matthew Stuckey, CDC; Sujan Reddy, CDC; Heather Moulton-Meissner, Centers for Disease Control; Hilary Babcock, Washington University School of Medicine; Jesse Jacob, Emory University; Lisa Maragakis, Johns Hopkins University School of Medicine; Daniel Diekema, University of Iowa Carver College of Medicine

480 **Carbapenemase-Producing Pseudomonas aeruginosa Infections from Multiple States Associated with Elective Invasive Medical Procedures in Mexico –2018**
Ian Kracalik, PhD, EIS Officer, CDC; David Ham, MD, MPH, CDC; Amanda Smith; Maureen Vowles, MPH, Epidemiologist, Utah Department of Health; Kelly Kauber, MPH, Antibiotic Resistance Epidemiologist, Washington State Department of Health; Kelley Garner, MPH BSMT, Arkansas Department of Health; Kaitlyn Chorbi, MPH, HAI Epidemiologist, Arizona Department of Health Services; P. Maureen Cassidy; Melba Zambrano; Gretchen Rodriguez; Oscar E. Zazueta, MD, Department of Health of Baja California; Nestor Saúl Hernández Milán; Rhett Stoney; Kathleen Moser; Margarita E. Villarino; Allison Brown; Richard Stanton, PhD, Health Scientist, CDC; Gillian McAllister, BS, Biologist, Sequencing Activity Lead, CDC; Erisa Sula; Alison Laufer Halpin, PhD, Team Lead, US CDC; Maroya Walters, MSC, PHD, Dr, CDC

SHEA/CDC TRAINING COURSE

OCCUPATIONAL INFECTION PREVENTION

10:00 -11:00 a.m. Convention Center 253 A

Speaker(s): Thomas Talbot, MD, MPH

Learning Objectives:

- Illustrate the role of healthcare personnel (HCP) in the transmission of healthcare-associated infections
- Identify the recommended strategies, including immunization and use of screening tests, designed to prevent HCP-associated transmission of pathogens
- Identify the approach to HCP infected with a blood borne virus
- Summarize the management of contagious disease exposures among HCP, including the use of post-exposure prophylaxis

THE ROLE OF THE LABORATORY IN HEALTHCARE EPIDEMIOLOGY

11:00 a.m. – 12:00 p.m. Convention Center 253 A

Speaker(s): Kaede Ota Sullivan, MD, MSc

Learning Objectives:

- Discuss the major roles of the clinical laboratory in infection prevention, outbreak response, and antibiotic stewardship
- Identify promising developments in rapid and/or molecular diagnostic testing in the microbiology lab, including when and how such testing should be incorporated into infection prevention efforts
- Assess test characteristics (e.g. sensitivity, specificity, positive and negative predictive value) and that a change in testing methodology may result in an apparent change in incidence or prevalence of an infection or pathogen
- Develop and interpret an antibiogram that is consistent with Clinical and Laboratory Standards Institute (CLSI) recommendations
- Review when to utilize molecular typing methods for infection prevention and outbreak response, and describe the strengths and limitations of existing typing methods

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

CASE STUDY: STEWARDSHIP AND C. DIFFICILE INFECTION

10:00 – 11:00 a.m. Convention Center 253 B

Speaker(s): Anurag Malani, MD

Learning Objectives:

- Discuss strategies for collaboration with healthcare partners to optimize C. difficile management
- Discuss which stewardship strategies are most effective for C. difficile control based on current practice and guidelines
- Describe the pros and cons of rapid diagnostic testing and reporting for C. difficile

IS THE FRONTLINE THE NEXT FRONTIER OF ASP?

11:00 – 11:30 a.m. Convention Center 253 B

Speaker(s): Rita Olans, DNP

Learning Objectives:

- Discuss innovative strategies for engaging patients and their families in stewardship
- Discuss innovative strategies for engaging nursing in ASP using huddles, handoffs, interdisciplinary rounds
- Discuss disparities in stewardship education in nursing as compared to other healthcare professionals

CASE STUDY: ADULT CASE - FIGHTING ASYMPTOMATIC BACTERIURIA: SOCIOBEHAVIORAL STRATEGIES AND NUDGES

11:30 a.m. – 12:00 p.m. Convention Center 253 B

Speaker(s): Valerie Vaughn, MD, MSc


Learning Objectives:

- Discuss the importance of accurate specimen collection and interpretation
- Discuss established criteria which may guide decision making
- Discuss the role of education in preventing overtreatment of asymptomatic bacteriuria

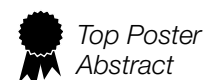
NETWORKING LUNCH WITH POSTER PRESENTATIONS

12:00 – 1:30 p.m.

Galleria


- 205  **Curtains for Privacy, Curtains for Hand Hygiene – A Feasibility Study**
Xiang Ying Jean Sim, Singhealth; Ban Hock Tan; Ying Ying Chua; U-Xuan Tan; Siang Qin Marcus Chua; Chau Yuen; Xiao Hui Xin; Zhi Fei Emily Luo; Moi Lin Ling, Singapore General Hospital; Jlayun Koh; Man Chung Stephanie Fook-Chong
- 208 **Genotypic Characteristics of ESBLs and AmpC Producing Enterobacteriaceae in the Dominican Republic**
Yori Roque, Pontificia Universidad Católica Madre y Maestra (PUCMM); David De Luna, Pontificia Universidad Católica Madre y Maestra (PUCMM); Alfredo Mena Lora, University of Illinois at Chicago; Silvia Calo
- 209 **Carbapenamase Producing Klebsiella pneumoniae Cluster Investigation In a Ventilator-Capable Nursing Home, Maricopa County, Arizona, July-November 2018**
Siru Prasai, Maricopa County Department of Public Health; Keila Maldonado; James Matthews; Nicole Fowle; Rachana Bhattarai, Arizona Department of Health Services; Sarah Scott; Rebecca Sunenshine; Katherine Hobbs
- 210 **Collaboration to Launch Antibiotic Stewardship Programs in New York State Long Term Care Facilities**
Coralie Bucher, New York State Department of Health; Monica Quinn, New York State Department of Health; Ghinwa Dumyati, University of Rochester; Emily Lutterloh; Valerie Haley, NYSDep of Health; Jiankun Kuang; Sarah Kogut, New York State Department of Health
- 212 **Bloodstream Infections with a Novel Nontuberculous Mycobacterium Among Oncology Clinic Patients**
Sarah Labuda, CDC/Arkansas Department of Health; Kelley Garner, Arkansas Department of Health; Heather Moulton-Meissner, Centers for Disease Control; Michael Cima; Janis Thompson; J. Gary Wheeler; Erin Bolton, Jefferson Regional Medical Center; Reid Pierce; Peter Yu; Nadege Charles Toney; Matthew Crist, Centers for Disease Control and Prevention; Danica Gomes, Centers for Disease Control and Prevention; Alison Laufer Halpin, US Centers for Disease Control and Prevention; Hollis Houston, Centers for Disease Control and Prevention; Gillian McAllister, Centers for Disease Control and Prevention; Naveen Patil, ARKANSAS DEPT OF HEALTH; Omar Atiq; Robert Bradsher, UAMS; Keyur Vyas, University of Arkansas for Medical Sciences; Dirk Haselow; Paige Gable, Centers for Disease Control and Prevention
- 213 **Electronic Hand Hygiene Monitoring using a Badge System**
Constance Cutler, Chicago Infection Control, Inc.
- 220 **Assessment of Nursing Home Data Quality – National Healthcare Safety Network, January 2017 – July 2018**
Sukarma Tanwar, Centers for Disease Control and Preventions; Suparna Bagchi, Centers for Disease Control and Prevention; Katherine Allen-Bridson; Elisabeth Mungai; Jeneita Bell

- 221 **Did You Report all the Colon Surgical Site Infection Events via the National Healthcare Safety Network?**
Jonathan Edwards, CDC; Suparna Bagchi, CDC; Katherine Allen-Bridson; Jennifer Watkins; Bonnie Norrick, CDC
- 232 **Pilot Comparison of Hand Hygiene Compliance Rate Between Blinded External Reviewers and Blinded Peer Reviewers**
Jose Cadena Zuluaga, University Of Texas Health Science Center at San Antonio, South Texas Veterans Healthcare System; Delvina Ford; Wesley Richardson; Kelly R Reveles
- 233 **Genomically Informed Infection Prevention Reveals a High-Risk Clone of CRE Enterobacter cloacae in a Single Academic Center**
Catherine Zanoria, University of Rochester; Nicole Pecora; Adel Malek, University of Rochester Medical Center; Heba Mostafa; Jun Wang; Samantha Taffner; Dwight Hardy
- 238  **Stratifying Citywide Rates of Healthcare Personnel Influenza Vaccination Coverage Reveals Opportunities for Targeted Outreach**
Phillip Hahn, Philadelphia Department of Public Health, Healthcare-Associated Infections/Antimicrobial Resistance Program; **Kristin Privette**, Philadelphia Department of Public Health, DDC; Tiina Peritz, Philadelphia Department of Public Health; Susan Coffin, Childrens Hospital of Philadelphia
- 239  **Nursing Home Documentation of Constitutional Criteria and Impact on Healthcare-Associated Infection Surveillance**
Austin Penna, Centers for Disease Control and Prevention; Taniece Eure; Nimalie Stone, CDC; Grant Barney; Devra Barber; Stacy Carswell, Emerging Infections Program; Paula Clogher; Ghinwa Dumyati, University of Rochester; Linda Frank, California Emerging Infections Program; Deborah Godine, California Emerging Infections Program; Lourdes Irizarry; Helen Johnston; Marion Kainer, Tennessee Dept. of Health; Linda Li; Ruth Lynfield; J.P. Mahoehney; Joelle Nadle, California Emerging Infections Program; Rebecca Pierce, Oregon Health Authority; Susan Ray; Monika Samper, Oregon Health Authority; Sarah Shrum; Marla Sievers, New Mexico Department of Health; Lucy Wilson; Shelley Magill, Centers for Disease Control and Prevention; Nicola Thompson, Centers for Disease Control and Prevention
- 242 **A Randomized Trial of 2 Cover Gowns Comparing Contamination of Personnel During Removal of Personal Protective Equipment**
Zeina Hajar; **Thriveen Sankar Chittoor Mana**; Myreen Thomas; Heba Alhmidi; Curtis Donskey, Cleveland VA Medical Center; Jennifer Cadnum, Cleveland VA Medical Center
- 243 **Water Management and Monitoring Practices in Hospitals – United States, 2017**
Matthew Stuckey, Centers for Disease Control and Prevention; Scott Decker; Matthew Arduino, CDC, NCEZID; Laura Cooley, Centers for Disease Control and Prevention; Chris Edens; Maggie Dudeck, Centers for Disease Control and Prevention; Daniel Pollock; Ryan Fagan
- 247  **Hepatitis A: An Outbreak in Southeast Michigan**
Helina Misikir, Henry Ford Hospital; Sarah Altamimi, Southern Illinois Healthcare System; Amit Vahia; Marcus Zervos, Henry Ford Hospital; Katherine Reyes, Henry Ford Hospital




- 250 **Regional Containment of an Outbreak of Carbapenem-Resistant *Pseudomonas aeruginosa* – Lubbock, Texas, 2017–2018**
Christopher Prestel, Centers for Disease Control and Prevention; Maroya Walters, Centers for Disease Control and Prevention; Gillian McAllister, Centers for Disease Control and Prevention; Lauren Epstein, CDC; Alison Laufer Halpin, US Centers for Disease Control and Prevention; Jennifer Huang, Centers for Disease Control; Jacobs Slifka Kara, Centers for Disease Control and Prevention; Chun Wang, Texas Dept of State Health; Janet Glowicz, Centers for Disease Control and Prevention; Hannah Wolford, Centers for Disease Control and Prevention; Mary McConnell, City of Lubbock Health Department; Richard Stanton, CDC; Kathleen Hartnett, CDC; Gillian Blackwell, Texas Department of State Health Services; Catherine Rault, Tulane University School of Medicine; Kate Woodworth, CDC; Katherine Wells, City of Lubbock; Abby Hoffman, Texas Department of State Health Services; Paige Gable, Centers for Disease Control and Prevention
- 251 **Contamination of Healthcare Worker Hands after Routine Care of Patients Colonized or Infected with *Klebsiella* species or *Escherichia coli***
Mireia Puig-Asensio, University of Iowa Hospitals & Clinics; Daniel Diekema, University of Iowa Carver College of Medicine; Linda Boyken; Gosia Clore, University of Iowa; Jorge Salinas, University of Iowa; Eli Perencevich, University of Iowa, Carver College of Med
- 252 **The Burden of Invasive Group B Streptococcal Infections in the Veterans Health Administration**
Robin Jump, Louis Stokes Cleveland Veterans Aff Med Ctr; Brigid Wilson, Northeast Ohio VA Healthcare System; Richard Banks; Daniel Baechle; Janet Briggs; Sunah Song; Taissa Zappernick; Federico Perez
- 254 **Epidemiology of *Stenotrophomonas maltophilia* at a Tertiary Medical Center in Detroit, MI**
Justin Oring, Detroit Medical Center/Wayne State University; Teena Chopra, Wayne State University; Reda Awali, Wayne State University
- 260 **Comparing ED versus Inpatient Clinician Perceptions of Wearing Personal Protective Equipment for Different Infectious Organisms**
Sarah Krein, VA Ann Arbor Hlthcare System and University of Michigan; Steven Kronick; Lauren Weston, VA Center for Clinical Management Research; Lynn Gregory; **Molly Harrod**, VA Ann Arbor Healthcare System
- 262 **Collaborative Investigation and Control of a Carbapenem-resistant *Acinetobacter baumannii* (CRAB) Outbreak in an Acute Care Hospital**
Dana Pepe, 1) Connecticut Department of Public Health, 2) Yale School of Medicine, 3) LEAP Fellow, IDSA/SHEA/PIDS; Meghan Maloney, Connecticut Department of Public Health, Healthcare Associated Infections & Antimicrobial Resistance Program; Diane Noel; Lauren Backman; Bobbie Macierowski; Jafar Razeq; Vivian Leung, Connecticut Department of Public Health; Anthony Muyombwe
- 264 **Keeping Score for Healthcare Improvement: Benchmarking Healthcare-Associated Infections in Developing Countries – The NOIS Project**
Gregory Lauer Souza, Centro Universitário de Belo Horizonte UNIBH; **Andressa Silveira**, UniBH; Handerson Carvalho; Cristóvão Oliveira; Lucca Giarolla; Braulio Couto, Centro Universitário de Belo Horizonte - UniBH; Carlos Starling, Vera Cruz Hospital; Rhayssa Rocha, Centro Universitário de Belo Horizonte-UNIBH; Edna Leite; Estevão Silva
- 266 **Incidence of Multidrug-Resistant, Extensively Drug-Resistant and Pandrug-Resistant Gram-Negative Bacteria in Brazilian Intensive Care Units**
Gregory Lauer Souza, Centro Universitário de Belo Horizonte UNIBH; Handerson Carvalho; Andressa Silveira, UniBH; Lucca Giarolla; **Rhayssa Rocha**, Centro Universitário de Belo Horizonte-UNIBH; Braulio Couto, Centro Universitário de Belo Horizonte - UniBH; Carlos Starling, Vera Cruz Hospital; Cristóvão Oliveira; Edna Leite; Estevão Silva
- 267 **Mask Detection Using Computer Vision in an Inpatient Room**
Takaaki Kobayashi, University of Iowa Hospitals and Clinics; Jingwei Ji, University of Iowa; Shelby Francis; Philip Polgreen
- 270 **Rapid Containment of a Human Parainfluenza Virus Type 3 Outbreak in a Stem Cell Transplant Clinic**
Miilner Staub, Vanderbilt University Medical Center; Lorri Downs, Vanderbilt University Medical Center; **James England**, Vanderbilt University Medical Center; Kelly Byrge; Vicki Brinsko; Jan Szychowski; Bryan Harris, Vanderbilt University; Carolyn Stover, Tennessee Department of Health; Marion Kainer, Tennessee Dept. of Health; Matthew Crist, Centers for Disease Control and Prevention; Eileen Schneider; Xiaoyan Lu; Thomas Talbot, Vanderbilt University School of Medicine
- 271 **Pilot Study for Mobile Handhygiene Compliance Monitoring and Automated Analysis Dashboard in Two Hospitals in Northwest Nigeria.**
Annick Lenglet, Doctors without Borders; Joost Hopman; Babette van Deursen; Rebecca Viana; Sarah Hoare; Adebowale Murtala, MSF; Mulikat Okanlawon; Jacob Osatogbe, MSF; Vera Emeh, MSF; Nell Gray; Sara Keller; Pete Masters; Duco Roolvink; Jane Davies; Vicky Wong; Kaci Hickox; Adolphe Fotso; Karla Bil; An Caluwaerts; Isabelle Lessard; Ana de la Osada; Sandrine Dimeglio; Nada Malou; Rupa Kanapathipillai; Melissa McRae; Sidney Wong, MSF; Chijioke Ikenna Nwankwo, General Hospital Anka; Bello Ahmad; Nura Abubakar, Medecins Sans Frontieres-Holland
- 273 **Resistant Phenotypes of *Escherichia coli* in Device- and Procedure-related Infections Reported to the National Health Safety Network (NHSN), 2011–2017**
Edward Sheriff, Centers for Disease Control and Prevention; Athena Kourtis; Lawrence McDonald, Ctr Dis Contrl & Prevention
- 278 **Exploring the Potential Effects of Changes to Healthcare Worker Staffing Schemes in an Acute Care Hospital - a Mathematical Modeling Study**
Brajendra Singh, Division of Healthcare Quality Promotion, Centers for Disease Control and Prevention; Prabasaj Paul; Rachel Slayton, Centers for Disease Control and Prevention; John Jernigan, Centers for Disease Control and Prevention
- 279 **Reduction of Legionella in Potable Water Systems and Assessment of Hot vs. Cold Sampling: National Data from Veterans Affairs (VA) Medical Facilities**
Shantini Gamage, Department of Veterans Affairs/University of Cincinnati; Stephen Kralovic, Dept of Veterans Affairs/Cincinnati VA Med Ctr/University of Cincinnati; Chetan Jinadatha, Central Texas Veterans Health Care System; John David Coppin, Central Texas Veterans Healthcare System; Meredith Ambrose, Department of Veterans Affairs | Veterans Health Administration; Gary Roselle, VA Central Office and Infectious Diseases Division Univ of Cincinnati, College of Medicine; Loretta Simbartl, Department of Veterans Affairs; Alan Bender, Booz Allen Hamilton; Alex Leininger, Booz Allen Hamilton; Aaron DeVries, Minneapolis Veterans Administration
- 280 **Preparing Connecticut Hospitals for Personal Protective Equipment (PPE) Use during Management of Patients with Ebola or other Special Pathogens**
Vivian Leung, Connecticut Department of Public Health; Lauren Backman


283 **Biocide Concentration Impacts Legionella Positivity in Cultures Obtained by Routine Sampling of Building Potable Water Systems**

 Shantini Garnage, Department of Veterans Affairs/University of Cincinnati; **Brooke Decker**, VA Pittsburgh; Angela Maistros, Veterans Integrated Service Network 5 (VISN5), Veterans Health Administration; Chetan Jinadatha, Central Texas Veterans Health Care System; Stephen Kralovic, Dept of Veterans Affairs/Cincinnati VA Med Ctr/University of Cincinnati; Michihiko Goto, University of Iowa/Iowa City VAMC

284 **Methicillin-resistant Staphylococcus aureus Burden in Nursing Homes, 2011-2015**

 **Runa Gokhale**, Centers for Disease Control and Prevention; Kelly Jackson, CDC; Joelle Nadle, California Emerging Infections Program; Susan Petit; Susan Ray; Lee Harrison; Carmen Bernu; Ghinwa Dumyati, University of Rochester; William Schaffner, Vanderbilt University School of Medicine; Isaac See, Centers for Disease Control and Prevention

288 **Qualitative & Quantitative Assessment of Multidrug-Resistant Organism Transmission Potential of Rehabilitation Equipment in Skilled Nursing Facilities**

 **Kyle Gontjes**, University of Michigan Medical School; Kristen Gibson; Bonnie Lansing; Karen Jones; Marco Cassone, University of Michigan; Joyce Wang; Lona Mody, University of Michigan

290 **Standardized, Real-Time Hospital Surveillance for Invasive Fungal Infections: Pilot of a Novel Tool**

Jonathan Schouest, UCSF Medical Center; Lynn Ramirez; Amy Nichols; Laurel Gibbs; Deborah Yokoe, University of California, San Francisco; Ho Lom Lee

293 **Improving the Process of Care for Employee Blood/Body Fluid Exposures**

Stephanie Holley, University of Iowa Hospital & Clinics; Lynnette Kenne; Ashley Hinman, University of Iowa Hospitals and Clinics; Sarah Healy; Tammy Sebolt; Michael Edmond, University of Iowa Hospitals and Clinics; Brenda Carmody; Courtney Gent; Dave Nelson; Kenneth Valley; Chris James; Rashmi Mueller, University of Iowa Carver College of Medicine; Barbara Schuessler; Patrick Hartely

294 **The Burden of Extended-Spectrum Beta-Lactamase-Producing Enterobacteriaceae in the Community**

Hannah Kopin, University of Rochester; Rebecca Tsay; Christine Felsen; Edwin van Wijngaarden; Ghinwa Dumyati, University of Rochester

298 **Trends in the Use of Antibiotics in U.S. Nursing Homes**

Catherine Cohen, RAND Corporation; Patricia Stone, Columbia University; Andrew Dick

300 **Assessing the Utility of the Massachusetts Statewide Antibiogram**

Jennifer Blumenthal, Boston Children's Hospital; Thomas Sandora, Boston Children's Hospital; Kelly Flett, Boston Children's Hospital; Melissa Cumming, Massachusetts Department of Public Health; Scott Troppy, Massachusetts Department of Public Health; Quynh Vo

302 **So You Want to Trial an Electronic Hand Hygiene System? Lessons Learned from Our Community Hospital's Experience**

Susan Fletcher-Gutowski, St. Mary Mercy Hospital Livonia; Tejal Mehta, St. Mary Mercy MI; Rebecca Mayer


309 **Infection Patterns of Survivors over 1 Year after Liver Transplantation**

Jae Sim Jeong, University of Ulsan; Ji Seon Yun, asan medical center; Sang-Oh Lee; Shin Hwang, Asan Medical Center

314 **A Regional Initiative to Improve Environmental Cleaning in Long-Term Care Facilities**

David Calfee, NY-Presbyterian/Weill Cornell; Robert O'Neil; Quin Sylvester, GNYHA; Jared Bosk; Zeynep Sumer-King; Karyn Langguth; Emily Lutterloh; Debra Blog

318 **Characterization of Carbapenem-Resistant Enterobacteriaceae Clinical Isolates in Metropolitan Atlanta, 2011-2015**

 **Gillian Smith**, Georgia Emerging Infections Program; Chris Bower, Georgia Emerging Infections Program; Sandra Bulens; Maria Karlsson; Uzma Ansari; Valerie Albrecht; Jesse Jacob, Emory University; David Lonsway, Centers for Disease Control and Prevention

322 **Water, Sanitation and Hygiene Interventions to Reduce Healthcare-Associated Infections among Mothers and Neonates in Low- and Middle-Income Countries**

Eili Klein, Johns Hopkins School of Medicine; Itamar Megiddo, University of Strathclyde; Katie Tseng, Center for Disease Dynamics, Economics & Policy; Oliver Gatolo; Ramanan Laxminarayan

325 **Perceptions of an Automated Hand Hygiene Monitoring System among Providers, Patients, and Visitors**

Cindy Prins, University of Florida; Crystal Almond, University of Florida; Heather Anderson; Nicole Iovine, University of Florida College of Medicine

328 **Candida auris Environmental Contamination in an Outbreak Setting**

Jennifer Cadnum, Cleveland VA Medical Center; **Jessica Kumar**; Brandon Eilertson; Michael Jacobs; Annette Jencson; Curtis Donskey, Cleveland VA Medical Center; Caryn Good; Sarah Redmond

329 **Biofilms in Hospital Sinks and Associated Plumbing Fixtures are Reservoirs for Carbapenem-Resistant Enterobacteriaceae**

Lauren Franco, Centers for Disease Control and Prevention; Windy Tanner, University of Utah; Christine Ganim; Terri Davy; Rodney Donlan

332 **Healthcare Worker Exposure to Middle East Respiratory Syndrome Corona Virus (MERS-CoV): Exposure Criteria and Screening Results.**

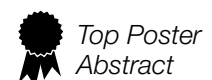
Hala Amer, King Saud Medical City; Ziad Memish; Faisal Alaklobi; Alqahtani Abdulrahman; Juhaina Abdulrahim; Amal Saadallah

335 **Addressing Disparities in Philadelphia Using the Center for Disease Control and Prevention's Ambulatory Infection Control Assessment Tool**

Jane Gould, Philadelphia Department of Public Health; Phillip Hahn, Philadelphia Department of Public Health, Healthcare-Associated Infections/Antimicrobial Resistance Program; Alice Ho; Kristin Privette, Philadelphia Department of Public Health, DDC; Susan Coffin, Children's Hospital of Philadelphia; Susy Rettig; Eva Teszner; Tiina Peritz, Philadelphia Department of Public Health

341 **Carbapenemase Producing Pseudomonas Surveillance in Washington State, 2015-2018**

Kelly Kauber, Washington State Department of Health; **Marisa D'Angeli**, Washington State Department of Health; Tashina Robinson; Sophey Hun, Washington State Public Health Laboratories; Ryan Ruiz, Washington State Department of Health; William Glover; Michael Tran



- 343 **Epidemiologic and Clinical Characteristics of *Candida auris* Infection and Colonization in a Tertiary Hospital**
Dayana Maita, University of Illinois at Chicago; Alfredo Mena Lora, University of Illinois at Chicago; Susan Bleasdale, University of Illinois at Chicago
- 344 **Prevention of Hepatitis B Virus Transmission in the Dialysis Setting: Is Isolation Necessary?**
 Alon Vaisman, University Health Network; Susy Hota, University Health Network; **Mohammed Alsaeed**, University of Toronto; Lee Goneau, Public Health Ontario; Qasim Mohiuddin, University Health Network
- 346 **Epidemiology of *Staphylococcus aureus* Disease in Metropolitan Atlanta**
Andrew Webster, Emory University School of Medicine, Atlanta, GA USA; Scott Fridkin, Emory Healthcare and Emory University; Rahsaan Overton; Minerva Mendez; Amber Britton; Robin Hubler; David Swerdlow
- 348 **After the Audit: Estimating the Residual Hawthorne Effect**
Alon Vaisman, University Health Network; **Susy Hota**, University Health Network; Grace Bannerman, University Health Network
- 363 **Contact Precautions and Spread of Carbapenem-Resistant Organisms in Two Large Tertiary ICUs: Evidence from Probabilistic Transmission Models**
 **Diego Martinez**, Johns Hopkins University; Jeremiah Hinson; Aria Smith; Jiarui Cai; Katherine Goodman; Matt Toerper; Scott Levin; Aaron Milstone, Johns Hopkins University; Eili Klein, Johns Hopkins School of Medicine; Rajib Paul; Justin Lessler

FULL CONFERENCE

JOINT SHEA/APIC SESSION - SSI PREVENTION STRATEGIES: IP IN THE OR

1:30 – 2:30 p.m. *Convention Center 252*

Moderators: Luz Caicedo, MPH, CPH, CIC & Susan Daniell, CIC, MSN

Speaker(s):

Old Issues and New Challenges –

Karen Hoffmann, RN, MS

From Guidelines to Engagement –

Hilary Babcock, MD, MPH

Learning Objectives:

- Identify activities in the OR that increase SSI risk
- Review OR challenges for IP
- Discuss updates from recent SSI guidelines

PRO/CON: IS IT TIME TO CHANGE THE DRESS CODE? CONTACT PRECAUTIONS FOR MRSA AND VRE IN PEDIATRICS

1:30 – 2:30 p.m. *Convention Center 254*

Moderators: Joshua Schaffzin, MD, PhD & Julianne Burns, MD

Speaker(s):

Pro: Contact Precautions is Still Necessary to Prevent the Transmission of MRSA and VRE in Children –

Matthew Linam, MD, MS

Con: Contact Precautions is No Longer Necessary to Prevent MRSA and VRE Transmission in Children –

Ann-Christine Nyquist, MD, MSPH

Learning Objectives:

- Discuss the evidence supporting the use of contact precautions to prevent the transmission of pathogens such as MRSA and VRE.
- List the potential negative consequences associated with contact precautions.
- Be able perform an evidence-based risk assessment related to the use of contact precautions for MRSA and VRE

SHEA/CDC TRAINING COURSE

HOW TO READ A STUDY & PERFORM RESEARCH

1:30 – 2:00 p.m. *Convention Center 253 A*

Speaker(s): Daniel Morgan, MD, MS

Learning Objectives:

- Examine concepts of study design, implementation of a study infrastructure, analytic methods, data needs and interpretation of data for observational and intervention studies
- Distinguish approaches to evaluate the impact of an intervention, including:
 - Decreases in rates of HAIs
 - Changes in prevalence or incidence of resistant organisms
 - Reductions in inappropriate device use
 - Reductions in Antibiotic use
 - Reductions in length of hospitalization
 - Decreases in cost
- Assess when to use various study designs such as before after and cluster randomized trials, and when to use various analyses such as time-series analysis
- Calculate p values, confidence intervals and effect estimates/ odds ratios to evaluate data for identification of epidemiologic trends, analysis of outbreaks and in the conduct of formal epidemiologic studies
- Assess the process for presentation of analytic study data in varying formats, including summary presentations

BUSINESS OF INFECTION PREVENTION: PROMOTING GROWTH OF A PROGRAM

2:00 – 2:30 p.m. *Convention Center 253 A*

Speaker(s): Deverick Anderson, MD, MPH

Learning Objectives:

- Explain the importance of physician and administrative leader buy in for an infection prevention program
- Indicate how to write and present to institutional leadership a strategic plan and business case for instituting, maintaining, and expanding of an infection control program
- Learn how to successfully recruit physician and administrative champions for planned programs
- Discuss how to develop and present a report detailing the rationale and proposed benefits of a Program or intervention, including financial analysis, improvement in patient safety, and justification for funding of proposed team members
- Demonstrate how to develop and present annual reports detailing interventions, cost-savings/maintenance, improved patient safety

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

THERE'S AN APP FOR THAT: ROLE OF DECISION SUPPORT TOOLS & INFORMATICS

1:30 – 2:00 p.m. *Convention Center 253 B*

Speaker(s): Kristi Kuper, PharmD

Learning Objectives:

- Discuss how to identify areas that are conducive to using apps
- List examples of how portable information technology has assisted successful stewardship programs in various settings
- Discuss challenges with developing apps and points to consider

CASE STUDY: DEVELOPING ASP IN AMBULATORY CARE

2:00 – 2:30 p.m. *Convention Center 253 B*

Speaker(s): Nathan Shively, MD

Learning Objectives:

- Define unique challenges of ambulatory stewardship, such as securing resources, developing a team and recruiting stewardship champions
- Identify how behavioral psychology influences antibiotic use in the ambulatory setting
- Describe outpatient syndromes well suited for stewardship intervention and effective methods of measuring their outcomes

NETWORKING BREAK

2:30 – 2:45 p.m. *Grand Ballroom Foyer*

FULL CONFERENCE

PRO/CON: DIAGNOSTIC STEWARDSHIP FOR C. DIFF - ARE WE BUILDING OUR OWN LATRINE?

2:45 – 4:00 p.m. *Convention Center 254*

Moderators: Daniel Caroff, MD, MPH & Cindy Noyes, MD

Speaker(s):

Pro: Stop the Spread - We are Causing Harm by Restricting Testing to Avoid LabID Events – **Curtis Donskey, MD**

Con: Stop the Madness - It is Beneficial to Avoid Overdiagnosis of Patients Who Don't Require Treatment – **Michael Calderwood, MD, MPH**

Tie Breaker: Do you Really Want to Know? – **Gonzalo Bearman, MD, MPH**

Learning Objectives:

- Distinguish the role of asymptomatic C. difficile colonization in the spread of C. difficile infection in hospital settings
- Interpret the use of clinical testing criteria to target "appropriate" C. difficile testing
- Review how inappropriate C. difficile testing can lead to over-treatment and inappropriate publicly reported metrics

ORAL ABSTRACT SESSION: TOP ABSTRACT AWARDS

2:45 – 4:00 p.m. *Convention Center 252*

Moderators: Louise Dembry, MBA, MD, MS & Waleed Javaid, MD

255 **Effects of an Education Campaign to Increase Use of Perioperative Cephalosporins in Penicillin-Allergic Patients**

Grant Lynde, Emory University; **Mary Elizabeth Sexton**, Emory University School of Medicine; Joe Sharma; Francis Wolf, Emory University; Merin Kuruvilla; Zanthia Wiley, Emory

259 **No Increase in MRSA or VRE Healthcare-Associated Infections After Discontinuing Routine Contact Precautions in a Large Health System**

Elise Martin, UPMC; Bonnie Colaianne; Christine Bridge; Andrew Bilderback; Colleen Tanner; Raymond Pontzer, UPMC, St Margaret Hospital; Mohamed Yassin, UPMC; Graham Snyder, UPMC/University of Pittsburgh

262 **2016 Tennessee Outpatient Antibiotic Prescription Analysis: Implications for Interventions**

Milner Staub, Vanderbilt University Medical Center; Youssoufou Ouedraogo, Tennessee Department of Health; Christopher Evans, TN Department of Health; Pamela Talley, Tennessee Department of Health; **Marion Kainer**, Tennessee Dept. of Health; George Nelson, Vanderbilt University School of Medicine

304 **Systematic Risk Assessment Framework for Evaluating Emerging and Novel Antimicrobial Resistance**

Lauren Epstein, CDC; Kate Woodworth, CDC; Maria Karlsson; J. Kamile Rasheed; John Jernigan, Centers for Disease Control and Prevention; Nadia Duffy, Centers for Disease Control and Prevention; Hsiu Wu, Centers for Disease Control and Prevention; Jean Patel; Tara Henning; Lawrence McDonald, Ctr Dis Control & Prevention; Arjun Srinivasan, Centers for Disease Control and Prevention; Alexander Kallen, Centers for Disease Control and Prevention; Maroya Walters, Centers for Disease Control and Prevention; Lindsey Weiner; Sandra Bulens; Ellen Wan; Athena Kourtis

525 **Prevalence and Predictors of Colonization with Carbapenem-resistant Enterobacteriaceae (CRE) among Hospitalized Patients Previously Reported to the Illinois Extensively Drug Resistant (XDRO) Registry**

Andrew T Simms, Rush University Medical Center; Yoona Rhee, Rush University Medical Center; Thelma Dangana, Rush University Medical Center; Khaled Aboushaala; Pamela Bell; Karen Lolans, RUMC; Angela S. Tang, Illinois Department of Public Health; William Trick, Cook County Health & Hospitals System; Michael Lin, Rush University Medical Center; Lou Fogg; Mary Hayden, Rush University Medical Center

SHEA ANTIBIOTIC STEWARDSHIP TRAINING COURSE

TRANSITIONS OF CARE

2:45 – 4:00 p.m. *Convention Center 253 B*

Speaker(s):

The Blind Spot of Stewardship: Antibiotic Overuse at Discharge – **Valerie Vaughn, MD, MSc**

The Role of Stewardship in OPAT – **Priya Nori, MD**

Learning Objectives:

The Blind Spot of Stewardship: Antibiotic Overuse at Discharge

- Discuss why transitions of care are challenging stewardship environments
- Discuss drivers of antibiotic overuse in the transition from inpatient to outpatient care
- Discuss practical strategies for streamlining antibiotic management at transitions of care

The Role of Stewardship in OPAT

- Discuss the role of the physician steward and pharmacy steward in streamlining OPAT care and maximizing patient outcomes
- Discuss the role of long term IV versus PO antibiotic therapy and the increasing body of literature in support of PO therapy for osteomyelitis and other syndromes
- Discuss the central stewardship –OPAT dilemma of regimen convenience vs. most targeted therapy

SHEA/CDC TRAINING COURSE

REGULATORY & EMERGENCY PREPAREDNESS

2:45 – 3:15 p.m. *Convention Center 253 A*

Speaker(s): Kathleen Gase, MBA, MPH, CIC

Learning Objectives:

- State the role and functions of public health entities at local, state, and national levels
- Review core emergency preparedness concepts, including emergency response planning, incident command functions, and facility response to emergent events
- Assist in policy and response plan development and evaluation for infection-related events, such as bioterrorism or pandemic respiratory pathogens
- Recite an overview of the system of state, federal, and accrediting organization oversight and requirements for healthcare facilities prepare for and survive a visit from CMS, TJC, and State DPH

PUTTING IT ALL TOGETHER

3:15 – 4:00 p.m. *Convention Center 253 A*

Speaker(s): Sarah Haessler, MD

Learning Objectives:

- Review an interactive case which leads course participants through the work up of a massive exposure in their healthcare facility
- Identify skills learned to identify which pathogen is responsible, and the mode of transmission
- Identify which healthcare workers and patients were exposed and who needs prophylaxis and/or isolation.
- Apply communication skills to effectively convey information within the healthcare organization and to the media
- List leadership skills to help respond, organize, and manage the massive exposure

PLENARY

THE IMPORTANCE OF DIVERSITY IN OUR PARTNERSHIPS

4:15 – 5:15 p.m. *Grand Ballroom*

Moderators: Judy Guzman-Cottrill, DO & Tom Sandora, MD, MPH

Speaker(s):

Strengthening Our Teams with Diversity and Inclusion – **Shanta Zimmer, MD**

Learning Objectives:

- Recognize the benefits of diversity and inclusion in the workplace
- Discuss strategies to improve diversity in our infection prevention and antimicrobial stewardship teams

Advancement to Fellow of SHEA Application Process

This category of membership honors individuals who have achieved special recognition in the field of healthcare epidemiology and can be reached through academic or clinical tracks. To be considered, applicants should have 7 or more years of continuous experience as SHEA members.

Criteria for Fellowship on the Academic Track

- Five first-authored or at least 10 non-first authored publications in peer-reviewed journals with a majority related to healthcare epidemiology (including antimicrobial stewardship)
- Medical school appointment at the level of associate professor or above, or documented excellence in the field of healthcare epidemiology (e.g. clinician, researcher, public health, government services, or teacher)
- Service and commitment to SHEA (e.g. participation on the SHEA Board, committees, task forces, working groups, SHEA Research Network, regular attendance at SHEA meetings)

Criteria for Fellowship on the Clinical Track

- Documented productivity through publication, service or presentations at local, national, or international meetings on topics related to healthcare epidemiology
- Documented excellence as a teacher and/or clinician in healthcare epidemiology
- Service and commitment to SHEA (participation on the SHEA Board, committees, task forces, working groups, SHEA Research Network and/or regular attendance at SHEA meetings)

How to Apply

In order for the application to be considered, each candidate must:

- Complete the *SHEA Fellow Advancement Application (PDF)*, available at <http://www.shea-online.org/index.php/membership/fshea>.
- Submit an updated Curriculum Vitae (CV) along with the application.
- Submit letters of support from two SHEA members. The recommendations should provide applicant's credentials and document in detail how the candidate meets the criteria for advancement to Fellow of SHEA. Recommendations should be sent directly to SHEA by the member writing the recommendation.

The application along with other required documents (detailed above) may be sent to:

SHEA Member Services
ATTN: Fellow Advancement
1300 Wilson Blvd., Suite 300
Arlington, VA 22209
fax: (703) 684-1009

info@shea-online.org

The Primer on Healthcare Epidemiology, Infection Control & Antimicrobial Stewardship is an online training course for Infectious Disease students and trainees as well as other physicians and healthcare practitioners interested in increasing and solidifying their understanding of healthcare epidemiology, infection control & antimicrobial stewardship. This course meets the requirements for infectious disease fellows for coursework in healthcare epidemiology & infection prevention as outlined by the American Board for Internal Medicine (ABIM). Ideal for remote learning, the modules were designed using state-of-the-art online learning tools based on expert knowledge from leading specialists in healthcare epidemiology.

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The course is comprised of 12 online modules using interactive, engaging case-based scenarios:

- Pathogen transmission: Diarrheal illness, airborne infections, respiratory viral illness
- Implementing antimicrobial stewardship
- Outbreak management in the healthcare setting
- Approach to control of bioterrorism agents
- Advanced occupational health management
- Prevention and management of multidrug-resistant organisms including MRSA, CRE, VRE,
- ESBL, *C. difficile*
- Device Associated Infection: CLABSI, CAUTI, and VAP
- Surgical site infections: Impact, frequency, risk factors

Accreditation Statement: The Society for Healthcare Epidemiology of America (SHEA) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Physicians: The Society for Healthcare Epidemiology of America designates this live activity for a maximum of 4 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Member: \$349

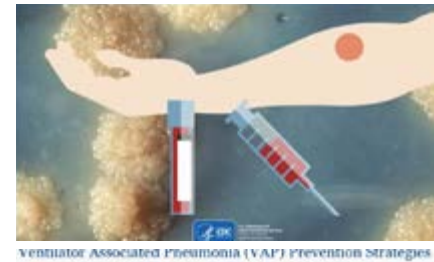
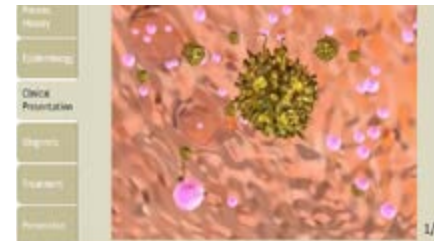
Physician Non-Member: \$399

Fellows/Allied Professionals Member: \$149

Fellows/Allied Professionals Non-Member: \$199

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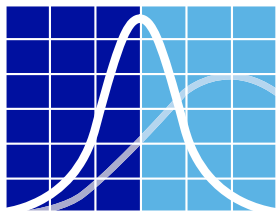
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- Guidelines Committee
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Call for Volunteers Opens: May 2019

Call for Volunteers Closes: July 2019

Questions? info@shea-online.org



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SHEA Research Scholar Program

The Research Scholar Program offers competitive grant awards to bright and dedicated early investigators seeking career development opportunities in infection prevention, antibiotic stewardship, and implementation science research. The grant awards are funded by the SHEA Education and Research Foundation. Eligible applicants are SHEA members who are early investigators with a MPH, PhD, PharmD, MD, or similar terminal degree and who are within 5 years of having completed their training.

Epi Project Competition

The Epi Project Competition will award up to \$20,000 in grants for winning proposals for research to develop pilot data that supports the conduct of a future larger scale research project, and the likelihood that a future project would attract additional funding support. Finalists have been selected to present their research concepts on Thursday, April 25 in front of an audience during a breakfast plenary session here at the SHEA Spring Conference. A winner will be selected by a secret panel of judges and announced during the afternoon plenary session following lunch.

Research Scholar Award

The SHEA Research Scholar Award is a competitive career development grant for early investigators exploring future K award research opportunities in the field of healthcare epidemiology and antibiotic stewardship research. The winner will receive an award of up to \$40,000 to support their research. Prospective applicants can get details about the 2019 Research Scholar Award dates and deadlines at the SHEA booth.

Join us to hear an oral abstract delivered by the winner of the 2018 Research Scholar Award, Valeria Fabre, MD, Assistant Professor of Medicine at Johns Hopkins University, on Thursday, April 25 at 4:15 – 4:30 p.m. in Convention Center 252. Dr. Fabre will present preliminary data for her winning research project, “Improving Blood Culture Ordering Practices in Hospitalized Adult Patients.”

Visit the Foundation section of the SHEA web site for more information about the Research Scholar Program.





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Advocacy for improved federal funding



Preventing healthcare-associated infections



Adopting antibiotic stewardship policies

For more information on SHEA's Policy agenda, visit

<http://www.shea-online.org/index.php/policy>

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SCIENCE & RESEARCH



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