THE YEAR IN

Infectious Diseases

The Challenge of Antimicrobial Resistance and Novel Approaches to Prevention and Stewardship

MAY 8, 2020

Prentice Women’s Hospital Conference Room L, 3rd Floor
250 E. Superior Street
Chicago, Illinois

SPONSORED BY: Northwestern University Division of Infectious Diseases, Northwestern University Feinberg School of Medicine Office of Continuing Medical Education.

JOINTLY PROVIDED BY: The Illinois Council of Health-System Pharmacists and Northwestern University Feinberg School of Medicine Division of Infectious Diseases.

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

1. Describe contemporary approaches to hospital-based surveillance and mitigation of transmission of multi-drug resistant organisms.
2. Identify approaches to diagnosing and treating infections with multi-drug resistant bacteria.
4. Describe the role the lung microbiome plays in susceptibility and response to pneumonia.
5. Identify the contributions of the gut microbiome to prevention of colonization with multi-drug resistant bacteria.
6. Define factors that contribute to perturbation of the microbiome and the effects on disease development.
7. Define laboratory and epidemiological techniques for Candida auris identification and tracking in healthcare facilities.
8. Identify mechanisms of C. auris antifungal resistance.
9. Describe treatment options for C. auris and other fungal infections.

TARGET AUDIENCE
This continuing medical education program is designed to meet the educational needs of physicians, nurses, pharmacists, and allied health providers who specialize in the treatment of patients with infectious diseases or infection prevention and antimicrobial stewardship practitioners.

CONFERENCE LOCATION
This program will be held in Prentice Women’s Hospital Conference Room L, located at 250 East Superior Street, 3rd Floor, Chicago, Illinois. For directions and parking information, please visit www.nm.org.

SPECIAL NEEDS
The Feinberg School of Medicine fully intends to comply with the legal requirements of the Americans with Disabilities Act. If any participant of this conference is in need of accommodation please indicate those needs on the registration form or submit a written request to the Office of CME at least one month prior to the conference date.

ADDITIONAL INFORMATION
Contact the Division of Infectious Diseases by email: katie.daley@northwestern.edu, phone: 312-926-9877, or visit our website at: medicine.northwestern.edu/infectiousdiseases.
NORTHEASTERN UNIVERSITY \hspace{1em} FEINBERG SCHOOL OF MEDICINE

FACULTY

COURSE DIRECTORS

Maureen Bolon, MD
Associate Professor
Division of Infectious Diseases
Department of Medicine

Egon Ozer, MD, PhD
Assistant Professor
Division of Infectious Diseases
Department of Medicine

SPEAKERS

Christina Cuomo, PhD
Senior Group Leader,
Fungal Genomics
Associate Director,
Genomic Data, Genomic Center
for Infectious Diseases
Infectious Disease and
Microbiome Program
Broad Institute of MIT and Harvard

Robert Dickson, MD
Clinical Lecturer
Department of Medicine,
Division of Pulmonary and
Critical Care Medicine
University of Michigan

Yohei Doi, MD, PhD
Director
Center for Innovative
Antimicrobial Therapy
Associate Professor of
Medicine
University of Pittsburgh
School of Medicine
Professor and Chair
Departments of Microbiology
and Infectious Diseases
Fujita Health University
School of Medicine

Anthony Harris, MD, MPH
Professor of Medicine
Tenured Department of
Epidemiology and Public Health
University of Maryland
School of Medicine

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Division of Infectious Diseases
Associate Medical Director for
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Washington University
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Albert Einstein College of Medicine

Eric Pamer, MD
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Duchossois Family Institute
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Scott Roberts, MD
Fellow
Division of Infectious Diseases
Northwestern University
Feinberg School of Medicine

Pranita Tamma, MD, MHS
Associate Professor
Department of Pediatrics,
Division of Pediatric
Infectious Diseases
Johns Hopkins University
School of Medicine
Director
Pediatric Antimicrobial
Stewardship

FACULTY DISCLOSURES

CME FACULTY DISCLOSURE

Northwestern University Feinberg School of Medicine requires course directors, speakers, instructors, planners and other individuals who are in a position to control the content of this activity to disclose any relevant financial relationships. All identified potential conflicts of interest, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations are thoroughly vetted by Northwestern University Feinberg School of Medicine for fair balance. The faculty disclosures will be indicated in the course syllabus.
FRIDAY, MAY 8, 2020

8:00 am  REGISTRATION AND BREAKFAST

9:00 am  WELCOME

9:10 am  SESSION I: PREVENTING MDRO TRANSMISSION

9:20 am  Transmission of Multidrug Resistant Bacteria
Anthony Harris, MD, MPH

9:50 am  Current Approaches to Management and Prevention of MDRO Gram-Negative Infections
Yohei Doi, MD, PhD

10:20 am  Anti-Infective Development and Stewardship for Gram-Negative Agents
David Nicolau, PharmD

10:50 am  BREAK

11:05 am  SESSION II: THE HOST MICROBIOME AND INFECTION

11:15 am  The Lung Microbiome and Infection
Robert Dickson, MD

11:45 am  The Gut Microbiome in Health and Disease
Eric Pamer, MD

12:15 pm  Modifying the Gut Microbiome to Prevent Colonization with Antibiotic-Resistant Organisms
Jennie H. Kwon, DO, MS

12:45 pm  LUNCH

1:00 pm  Keynote: Emerging Resistance to the Novel Antibiotics: What can the clinician do to prevent it?
Pranita Tamma, MD, MHS

1:45 pm  BREAK

2:00 pm  SESSION III: NEW FUNGI, NEW THREATS

2:10 pm  Global Epidemiology, Virulence, and Resistance in Candida auris
Christina Cuomo, PhD

2:40 pm  Transmission and Tracking of Candida auris
Belinda Ostrowsky, MD, MPH

3:10 pm  Epidemiology and New Therapeutics in Molds
William J. Muller, MD, PhD

3:40 pm  Epidemiologic and Genomic Examination of Local Candida auris Cases
Scott Roberts, MD

4:00 pm  CLOSING REMARKS
REGISTRATION

THE YEAR IN Infectious Diseases
May 8, 2020 I Prentice Women’s Hospital Conference Room L I Chicago, Illinois

HOW TO REGISTER

ONLINE – Please visit tinyurl.com/ttgropo

MAIL – Mail the registration form with a check made payable to Northwestern University
Northwestern University
Feinberg School of Medicine
Division of Infectious Diseases
645 N. Michigan Ave, Suite 900
Chicago, IL 60611

REGISTRATION FEE

Physicians, Nurses, Pharmacists, $150
Allied Health Providers

Northwestern Medicine, Lurie Children’s Hospital/
Affiliated Faculty or Pharmacist

Resident, Fellow, or Student Complimentary

Please note that credit cards or cash cannot be accepted for on-site registration. On-site registrations must be made with a check.

CANCELLATION POLICY

Cancellations must be made in writing to the Office of Continuing Medical Education. The paid registration, minus a $25 administrative fee, will be refunded if cancellation is received by April 8, 2020. No refund will be given after this date.

QUESTIONS

Questions regarding registration should be directed to Office of Continuing Medical Education at cme@northwestern.edu or (312) 503-8533. Registrations will not be accepted by telephone.

PLEASE TYPE OR PRINT

Last Name First Name

☐ MD ☐ DO ☐ PhD ☐ RN ☐ Other (please specify)

Institution

Address

City State ZIP Code

Daytime Phone Fax

E-mail (Required)

Your registration confirmation will be e-mailed

Specialty

☒ Please indicate any special needs

Please indicate any dietary needs

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Northwestern Medicine® is the shared vision that joins Northwestern Memorial HealthCare and Northwestern University Feinberg School of Medicine in a collaborative effort to transform medicine through quality healthcare, academic excellence, and scientific discovery.