



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.

**THIS ACTIVITY HAS
BEEN APPROVED FOR**

5.75

**AMA PRA CATEGORY
1 CREDITS™ and**

5.5 contact hours
of CPE credit

REGISTER TODAY! tinyurl.com/ttgropo

PROGRAM INFORMATION

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.
3. Describe novel therapeutics and management strategies for infections with Gram-negative multi-drug resistant organisms.
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.

ACCREDITATION STATEMENT

The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.


CONTINUING MEDICAL EDUCATION (CME)

The Northwestern University Feinberg School of Medicine designates this live activity for a maximum of 5.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

ACPE FACULTY DISCLOSURE

It is the policy of the Illinois Council of Health-System Pharmacists (ICHHP) to ensure balance, independence, objectivity, and scientific rigor in all of its education programs. In accordance with this policy, faculty must disclose to the participants any significant relationships with commercial companies whose products or devices may be mentioned in faculty presentations, or with the commercial supporter of these continuing pharmacy education programs. These disclosures will be provided at the program. Policy and Procedure for Educational Program Grievances can be found on our website.

CONTINUING PHARMACY EDUCATION (CPE)

 This program is jointly provided by the Illinois Council of Health-System Pharmacists and Northwestern University Feinberg School of Medicine Division of Infectious Diseases. The Illinois Council of Health-System Pharmacists is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. The Year in Infectious Disease program will offer a total of 5.5 contact hours (0.55 CEUs) of continuing pharmacy education in states that recognize ACPE providers.

SESSION I: Preventing MDRO Transmission

UAN 0121-9999-20-050-L01-P
1.5 contact hours (0.15 CEUs)

SESSION II: The Host Microbiome and Infection

UAN 0121-9999-20-051-L01-P
2.25 contact hours (0.25 CEUs)

SESSION III: New Fungi, New Threats

UAN 0121-9999-20-052-L01-P
1.75 contact hours (0.175 CEUs)

Participants must attend the entire session under each UAN to receive the designated credit – no partial credit will be awarded.

In order to receive continuing pharmacy education (CPE) credit, all meeting attendees will need to access CESally.com to complete evaluations. Credit will be reported to CPE Monitor. You will have 6 weeks after the program to complete your online evaluations and submit your request for CPE credit. Instructions for completing ICHHP live program evaluations online will be included in the meeting folder provided to you at the program. Your NABP e-Profile ID is required to receive CPE credit. Visit www.mycpemonitor.net for more information.

REGISTER TODAY!

FACULTY

NORTHWESTERN UNIVERSITY FEINBERG SCHOOL OF MEDICINE FACULTY

COURSE DIRECTORS

Maureen Bolon, MD
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Division of Infectious Diseases
Department of Medicine

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

SPEAKERS

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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

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

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Associate Professor of
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Professor and Chair
Departments of Microbiology
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Fujita Health University
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Professor of Medicine
Tenured Department of
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University of Maryland
School of Medicine

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Associate Professor
Pediatric Infectious Diseases
Northwestern University
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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.

AGENDA/FACULTY

FRIDAY, MAY 8, 2020

8:00 am	REGISTRATION AND BREAKFAST	12:45 pm	LUNCH
9:00 am	WELCOME	1:00 pm	Keynote: Emerging Resistance to the Novel Antibiotics: What can the clinician do to prevent it? Pranita Tamma, MD, MHS
9:10 am	SESSION I: PREVENTING MDRO TRANSMISSION	1:45 pm	BREAK
9:20 am	Transmission of Multidrug Resistant Bacteria Anthony Harris, MD, MPH	2:00 pm	SESSION III: NEW FUNGI, NEW THREATS
9:50 am	Current Approaches to Management and Prevention of MDRO Gram-Negative Infections Yohei Doi, MD, PhD	2:10 pm	Global Epidemiology, Virulence, and Resistance in <i>Candida auris</i> Christina Cuomo, PhD
10:20 am	Anti-Infective Development and Stewardship for Gram-Negative Agents David Nicolau, PharmD	2:40 pm	Transmission and Tracking of <i>Candida auris</i> Belinda Ostrowsky, MD, MPH
10:50 am	BREAK	3:10 pm	Epidemiology and New Therapeutics in Molds William J. Muller, MD, PhD
11:05 am	SESSION II: THE HOST MICROBIOME AND INFECTION	3:40 pm	Epidemiologic and Genomic Examination of Local <i>Candida auris</i> Cases Scott Roberts, MD
11:15 am	The Lung Microbiome and Infection Robert Dickson, MD	4:00 pm	CLOSING REMARKS
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		

REGISTRATION

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May 8, 2020 | Prentice Women's Hospital Conference Room L | Chicago, Illinois

HOW TO REGISTER



ONLINE – Please visit
tinyurl.com/ttgrope



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, ☐ \$25
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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Feinberg 8-504
Chicago, Illinois 60611

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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.