



# 2022 Update on NTM Infections

(Non-Tuberculous Mycobacteria)

## SEPTEMBER 9-10, 2022

West Beach Conference Center  
Kiawah Island Golf Resort  
Kiawah Island, South Carolina

*\*Offering both in-person and Virtual Attendance*

For More Information:  
Visit [www.musc.edu/cme](http://www.musc.edu/cme), Call the Office of CME, 843-876-1925 or email [cmeoffice@muscd.edu](mailto:cmeoffice@muscd.edu)



College of Medicine

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## COURSE FACULTY

### CONFERENCE DIRECTOR

**Patrick Flume, M.D.**

Professor

Departments of Medicine and Pediatrics  
Division of Pulmonary, Critical Care, Allergy, and Sleep Medicine  
Medical University of South Carolina

### GUEST FACULTY

**David Griffith, M.D.**

Professor

Department of Medicine  
Division of Mycobacterial & Respiratory Infections  
National Jewish Health  
Denver, CO

**Julie Philley, M.D.**

Chair, Department of Medicine  
Chief of Pulmonary and Critical Care  
UT Health  
Tyler, TX

**Kevin Winthrop, M.D., MPH**

Professor of Infectious Diseases, Ophthalmology  
Professor of Public Health and Preventive Medicine (joint appointment)  
Division of Infectious Diseases  
Oregon Health & Science University  
Portland, OR

### MUSC FACULTY

**Wayne Barfield, RT**

Respiratory Therapist II  
Therapeutic & Professional Support Services

**Wendy Bullington, PharmD**

Adjunct Associate Professor  
MUSC College of Pharmacy

**Lillian Christon, Ph.D.**

Licensed Psychologist  
Associate Professor  
Department of Psychiatry and Behavioral Sciences

**Susan Dorman, M.D.**

Professor  
Department of Medicine

**Sue Gray, MSN, RN**

Adult CF & NTM Program Coordinator  
Division of Pulmonary, Critical Care, Allergy, and Sleep Medicine

**Christina Mingora, M.D.**

Clinical Instructor  
Associate Director Adult Cystic Fibrosis Program  
Division of Pulmonary, Critical Care, Allergy, and Sleep Medicine

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## PROGRAM OVERVIEW

Nontuberculous mycobacterial (NTM) infections are increasingly recognized but management decisions are complex. This conference will review risk factors and presenting features of patients with NTM infections, current practices for their diagnosis and management, and novel areas of research. A comprehensive approach to the evaluation and management of NTM infections will be reviewed including antibiotics and their monitoring, non-pharmacologic therapy, and psychosocial aspects of disease and treatment. Topics will also include how to advocate for the patient, how to work with an NTM center in co-management of a patient, and ongoing development of novel therapies. The program is designed for primary care, pulmonary, and infectious disease clinicians.

## CREDIT DESIGNATION

### Physician Credit Statement

The Medical University of South Carolina designates this live activity for a maximum of 9.25 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Other Credit Statements

**Nurses:** Most states accept CMEs that apply to a specific nursing specialty as nursing continuing education. Please check with your respective State Board of Nursing to ascertain the equivalent number of contact hours offered for 9.25 *AMA PRA Category 1 Credit(s)*<sup>™</sup>.

**PAs:** AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit(s)*<sup>™</sup> and Prescribed credit from AAFP from organizations accredited by ACCME or a recognized state medical society. The MUSC Office of CME provides certificates to PAs with a statement, approved by AAPA, that PAs may receive a maximum of 9.25 AAPA Category 1 Credits for this conference.

## ELECTRONIC SYLLABUS

The conference syllabus will be provided online. Information will be emailed to you the week of the conference so that you may download/print a copy.

## OBJECTIVES

At the completion of this conference, participants should be able to:

- Describe risk factors for mycobacterial infections
- Establish a diagnosis of NTM lung disease
- Effectively treat NTM lung disease
- Identify patients that may benefit from surgical treatment of NTM lung disease

## ACCREDITATION

The Medical University of South Carolina is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

## DISCLOSURE

In accordance with the ACCME Standards for Integrity and Independence in Accredited Continuing Education anyone involved in planning or presenting this educational activity will be required to disclose any financial relationships with any ineligible companies. An ineligible company is any entity whose primary business is producing, marketing, selling, reselling, or distributing healthcare products used by or on patients. Any financial relationships with these ineligible companies have been mitigated by the MUSC Office of CME. Speakers who incorporate information about off-label or investigational use of drugs or devices will be asked to disclose that information at the beginning of their presentation.

## AMERICANS WITH DISABILITIES ACT

It is the policy of the Medical University of South Carolina not to discriminate against any person on the basis of disabilities. If you feel you need services or the auxiliary aids mentioned in this act in order to fully participate in this continuing medical education activity, please call the Office of CME at 843-876-1925.

## VIRTUAL REGISTRATIONS

Please note: for virtual registrations, a minimum number of participants must register to be able to offer the virtual meeting. If this minimum is not met, you will be notified by August 26, 2022, and will be given the option to change to in-person registration or receive a full refund. If the virtual registration option is canceled, the video access option would also be canceled and a refund will be issued to anyone that purchased access to the videos.\*\*

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## COURSE AGENDA

### FRIDAY, SEPTEMBER 9

- 7:30am Registraton and Breakfast
- 8:00 Welcome and Introductions,  
*Patrick Flume, M.D.*
- 8:15 A Case of NTM (nontuberculous mycobacteria) Lung Disease, *Susan Dorman, M.D.*
- 8:20 Mycobacteria & the Environment,  
*Julie Philley, M.D.*
- 8:40 Epidemiology of NTM Infections,  
*Julie Philley, M.D.*
- 9:00 Defining NTM Lung Disease,  
*Susan Dorman, M.D.*
- 9:10 Risk Factors for NTM Lung Disease,  
*Patrick Flume, M.D.*
- 9:20 Making the Diagnosis,  
*Patrick Flume, M.D.*
- 9:30 Defining Expectations,  
*Patrick Flume, M.D.*
- 9:45 Adjunctive Therapies for the Treatment of Bronchiectasis and NTM Pulmonary Disease,  
*Christina Mingora, M.D.*
- 10:15 Break
- 10:30 Antibiotic Treatment of MAC (*Mycobacterium avium* complex) lung disease, *David Griffith, M.D.*
- 11:15 Antibiotic Treatment of Mabs (*Mycobacterium abscessus*) Lung Disease, *Kevin Winthrop, M.D., MPH*
- 12:00pm Medication Management: From Drug Interactions to Adverse Effects, *Wendy Bullington, PharmD*
- 12:30 Panel Q&A
- 1:00 Box lunch & Adjourn

### SATURDAY, SEPTEMBER 10

- 7:30am Registration and Breakfast
- 7:55am Welcome
- 8:00 Patient Perspectives,  
*Faculty Panel*
- 8:45 Emotional Wellness and Quality of Life for Individuals with NTM: Providers/Teams, *Lillian Christon, PhD*
- 9:15 The Surgical Option,  
*Julie Philley, M.D.*
- 9:45 Risk of Recurrence & Monitoring,  
*David Griffith, M.D.*
- 10:15 Break
- 10:30 When Should I Suspect NTM?  
*Susan Dorman, M.D.*
- 11:15 What are the Important Questions?  
*Christina Mingora, M.D.*
- 11:30 What is in the Drug Pipeline?  
*Kevin Winthrop, M.D., MPH*
- 12:00pm Partnering with an NTM center,  
*Faculty Panel*
- 12:30 Panel Q&A
- 1:00 Box Lunch & Adjourn

## CANCELLATION

A refund will be made upon written request prior to August 9, 2022 less a \$100 cancellation fee. After August 9, 2022, no refunds will be made. We reserve the right to cancel the program if necessary. Full registration fees will be refunded for canceled programs. By registering for this conference, you acknowledge and agree to this cancellation policy

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### REGISTRATION INFORMATION

	Early Bird (on/before 6/30)	Regular (after 7/1)
Physicians in Practice	\$399.00	\$449.00
All Other Health Professionals	\$349.00	\$399.00

***\*\*The registration fees are the same for in-person or virtual attendance\*\****

The fee for in-person attendance includes tuition, breaks, online syllabus, and certificates of attendance. The fee for live streaming the meeting includes tuition, online syllabus, and certificates of attendance. *No refunds will be offered for individuals switching from in-person to virtual registration.*

No pre-registrations will be accepted after September 2, 2022. After this date, you must contact the Office of CME at 843-876-1925 to see if space is still available. If space is available you must register on-site.

### REGISTRATION METHODS:

Please use ONE of these methods to register.

1. Mail registration form with check\* or credit card information to:  
MUSC Office of CME  
96 Jonathan Lucas Street, HE221A, MSC 754  
Charleston, SC 29425
2. Email/Scan completed registration form to [cmeoffice@musc.edu](mailto:cmeoffice@musc.edu)
3. Complete registration through the [Online Registration Portal](#)

\*Checks should be made out to "Medical University of South Carolina"

### HOTEL INFORMATION

***\*\*The conference will be held at the West Beach Conference Center\*\****

Kiawah Island Resort, just outside of Historic Charleston is drenched in southern charm and natural grace. An unforgettable coastal setting with miles of undisturbed beaches and tidal marshes, yet still a short drive to experience the city life on the Charleston Peninsula. This resort and residential community has a gracious character of its own, giving guests a unique resort experience unlike any other. Kiawah is a popular vacation destination for families, where southern hospitality is defined and a welcoming community is waiting.

The resort has activities daily for children and teens and many evenings are scheduled with fun activities for the whole family to include entertainment for all. Please check with the Kiawah Resort (843-768-2121) or visit [www.kiawahresort.com](http://www.kiawahresort.com) for a schedule of these events. A children's camp is also available by registering directly with the resort.

A block of 1 bedroom villas have been reserved at a rate of **\$185** per night. Reserve your villa before **August 9, 2022** to receive the discounted rates. Please call 866-224-2612, ask for Villa Reservations and mention the "MUSC NTM Infections Conference" or group booking number 19115 to receive these lower rates.

For more information on Kiawah Resort, visit their web site at <https://kiawahresort.com/reservation-request-musc-ntm-infections-conference/> or [www.kiawahresort.com](http://www.kiawahresort.com)

A resort service fee of 9% per villa, per day will apply to all guest rooms utilized. The resort service fee includes on demand, on-island transportation to all resort owned venues via the existing fleet of resort vehicles, local & 800 phone calls, credit card access calls and in-room coffee.

Rates are subject to a 7% South Carolina state tax and a total of 6% local tax (subject to change). The maximum occupancy at Kiawah is two (2) adults per bedroom. Children under the age of 18, when accompanied by an adult and staying in the same room, are free of charge.



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## REGISTRATION FORM

Name \_\_\_\_\_ Personal ID# XXX - XX - \_\_\_\_\_  
(As you would like it printed on your name badge) (Last four digits of your SSN)

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Specialty \_\_\_\_\_ Degree/Credentials \_\_\_\_\_

Email \_\_\_\_\_  
(Please provide your active email address to ensure proper receipt of all CME Credit documentation.)

Phone (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ Fax (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

### PLEASE READ THE STATEMENTS BELOW AND CHECK THE BOX IF YOU AGREE TO

- ☐ YES I give permission to the MUSC Office of CME to share my name, city, and state with other attendees and the companies that will be exhibiting at and/or supporting the conference through educational grants.
- ☐ NO I do not give permission to the MUSC Office of CME to share my name, city, and state with other attendees and the companies that will be exhibiting at and/or supporting the conference through educational grants.

### REGISTRATION FEES

	Early Bird On/Before 6/30/2022	Regular On/After 7/1/2022
Physicians in Practice	<input type="checkbox"/> \$399.00	<input type="checkbox"/> \$449.00
All Other Health Professionals	<input type="checkbox"/> \$349.00	<input type="checkbox"/> \$399.00

The fee for in-person attendance includes tuition, breaks, online syllabus, and certificates of attendance. The fee for live streaming the meeting includes tuition, online syllabus, and certificates of attendance. *No refunds will be offered for individuals switching from in-person to virtual registration.*

### REGISTRATION TYPE

#### PLEASE SELECT REGISTRATION TYPE

☐ In-Person Registration ☐ Virtual Registration\*

\*Please note: for virtual registrations, a minimum number of participants must register to be able to offer the virtual meeting. If this minimum is not met, you will be notified by August 26, 2022, and will be given the option to change to in-person registration or receive a full refund.

☐ Enclosed Check Payable to Medical University of South Carolina ☐ MasterCard ☐ Visa ☐ Discover ☐ American Express

Card Number \_\_\_\_\_ Expiration Date \_\_\_\_\_ CVV Code \_\_\_\_\_

Name as it appears on card \_\_\_\_\_

(Please use ONE of these methods to register. Do not mail if previously faxed or telephoned).

- **Mail** registration form with check made out to "Medical University of South Carolina" or credit card information to  
MUSC Office of CME, 96 Jonathan Lucas Street, HE221A, MSC 754, Charleston, SC, 29425
- **Telephone:** (843) 876-1925 – Registration by credit card only.
- **Email:** Scan & email completed registration form to [cmeoffice@musc.edu](mailto:cmeoffice@musc.edu)
- **Online:** Complete registration through the [Online Registration Portal](#)

[www.musc.edu/cme](http://www.musc.edu/cme)

### CANCELLATION

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