

Laboratory Identification of Emerging Pathogenic Molds—Series

Part 1: [Introduction to Molds](#) | April 14, 2026 | 2:00 – 3:30 pm ET
Part 2: [Hyalohyphomycetes](#) | April 16, 2026 | 2:00 – 3:30 pm ET
Part 3: [Dematiaceous Molds](#) | April 21, 2026 | 2:00 – 3:30 pm ET
Part 4: [Dermatophytes and Endemics](#) | April 23, 2026 | 2:00 – 3:30 pm ET
Part 5: [Mucorales](#) | April 28, 2026 | 2:00 – 3:15 pm ET
Part 6: [Cases in Mycology](#) | April 30, 2026 | 2:00 – 3:30 pm ET

Course # 588-610-26 1.5 contact hours
Course # 588-611-26 1.5 contact hours
Course # 588-612-26 1.5 contact hours
Course # 588-613-26 1.5 contact hours
Course # 588-614-26 1.0 contact hour
Course # 588-615-26 1.5 contact hours

AUDIENCE

This 6-part series is intended for clinical and public health laboratory staff, microbiology students, microbiology laboratory staff, epidemiologists, research scientists and anyone else interested in learning more about molds.

ACCESSIBILITY

In compliance with the Americans with Disabilities Act, individuals seeking special accommodations must email a request to Ashton Blair (ashton.blair@aphl.org) prior to the live webinar. Closed captions will be available with the webinar recording.

LEARN MORE

For more information about this webinar series, please email ashton.blair@aphl.org.

PART 1 | [Introduction to Molds](#)

DESCRIPTION

This course will give an overall introduction to medical mycology.

OBJECTIVES

After completing this webinar the participant will be able to:

- Explain the classification and identification of molds based upon their macroscopic and microscopic characteristics
- Identify whether molds have aleuriosporic, enteroblastic or holoblastic conidiogenous cells
- Describe diseases caused by molds including hyalohyphomycosis, phaeohyphomycosis, chromoblastomycosis and mucormycosis

SPEAKERS

Presenter

- **Shawn Lockhart, PhD, D(ABMM), F(AAM)**, senior advisor for mycology, CDC Mycotic Diseases Branch

Moderator

Luisa Lopez, MS, microbiologist, CDC Mycotic Diseases Branch

Enroll for each webinar using the link in the webinar title. If you need assistance with enrollment, send us an [email](#). To participate in this live webinar, log in to the [APHL Learning Center](#) (ALC) and follow [these instructions](#). If accessing the [APHL Learning Center](#) (ALC) for the first time, [create a free APHL account](#).

Continuing Education

The Association of Public Health Laboratories (APHL) is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. P.A.C.E.® is accepted by all licensure states except Florida. This learning activity will provide P.A.C.E.® contact hours for the participant who successfully completes this training.

Level of Instruction:

INTERMEDIATE: Refresher course; some basic knowledge is required; for the experienced staff technologist with some years of experience.

PART 2 | [Hyalohyphomycetes](#)

DESCRIPTION

This course will introduce hyalohyphomycetes; mold with no pigment in their hyphae.

OBJECTIVES

After completing this webinar the participant will be able to:

- Describe the various forms of conidiogenesis used by hyalohyphomycotic molds
- Summarize the most common species of *Aspergillus* including microscopic and macroscopic features
- Explain the distinguishing features of other common genera of hyalohyphomycetes including *Purpureocillium*, *Fusarium*, and *Scedosporium*

By registering for this event, you are consenting to have your information shared with APHL event collaborators, such as the Centers for Disease Control and Prevention and Public Health Laboratories. We will not, in any circumstances, share your information with other individuals or organizations without your permission, including corporations or individuals, except when applicable by law. We do not sell, communicate or divulge your information to any mailing lists.

This webinar is supported by Cooperative Agreement number NU47CD000001 (CFDA No. 93.322), funded by the Centers for Disease Control and Prevention. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the Centers for Disease Control and Prevention or the Department of Health and Human Services, or APHL and member laboratories. This project was 100% funded with federal funds from a federal program of \$833,544.

Laboratory Identification of Emerging Pathogenic Molds—Series

Part 1: [Introduction to Molds](#) | April 14, 2026 | 2:00 – 3:30 pm ET

Part 2: [Hyalohyphomycetes](#) | April 16, 2026 | 2:00 – 3:30 pm ET

Part 3: [Dematiaceous Molds](#) | April 21, 2026 | 2:00 – 3:30 pm ET

Part 4: [Dermatophytes and Endemics](#) | April 23, 2026 | 2:00 – 3:30 pm ET

Part 5: [Mucorales](#) | April 28, 2026 | 2:00 – 3:15 pm ET

Part 6: [Cases in Mycology](#) | April 30, 2026 | 2:00 – 3:30 pm ET

Course # 588-610-26 1.5 contact hours

Course # 588-611-26 1.5 contact hours

Course # 588-612-26 1.5 contact hours

Course # 588-613-26 1.5 contact hours

Course # 588-614-26 1.0 contact hour

Course # 588-615-26 1.5 contact hours

SPEAKERS

Presenter

- **Ana Litvintseva, PhD**, laboratory team lead, CDC Mycotic Diseases Branch

Moderator

Shawn Lockhart, PhD, D(ABMM), F(AAM), senior advisor for mycology, CDC Mycotic Diseases Branch

PART 3 | [Dematiaceous Molds](#)

DESCRIPTION

This course will introduce dematiaceous molds; mold with melanin in their hyphae.

OBJECTIVES

After completing this webinar the participant will be able to:

- Describe the characteristics that identify a mold as dematiaceous
- Differentiate dematiaceous molds by their unique conidiogenesis and conidia
- Identify the most common genera of dematiaceous molds including *Curvularia*, *Exophiala* and *Phialophora*

SPEAKERS

Presenter

- **Shawn Lockhart, PhD, D(ABMM), F(AAM)**, senior advisor for mycology, CDC Mycotic Diseases Branch

Moderator

Lars F. Westblade, PhD, D(ABMM), medical director, Clinical Microbiology, Weill Cornell Medical Center

PART 4 | [Dermatophytes and Endemics](#)

DESCRIPTION

This course will introduce the endemic and dimorphic fungi and molds causing infections of the skin, hair, and nails.

OBJECTIVES

After completing this webinar the participant will be able to:

- Describe aleuriosporic and arthrosporic forms of conidiation
- Identify the following fungi, based on (macroscopic and microscopic) examination
 - *Coccidioides* species and other arthrospore-forming molds
 - *Blastomyces dermatitidis*, *Histoplasma capsulatum*, and similar aleuriosporic molds
 - Common dermatophytes including *Trichophyton*, *Epidermophyton* and *Microsporum*
- Summarize the endemic fungi and where they are found in the US

SPEAKERS

Presenters

- **Shawn Lockhart, PhD, D(ABMM), F(AAM)**, senior advisor for mycology, CDC Mycotic Diseases Branch
- **Luisa Lopez, MS**, microbiologist, CDC Mycotic Diseases Branch

Moderator

Elizabeth Berkow, PhD, D(ABMM), team lead, CDC Laboratory Assay Readiness (LASR) Office

Laboratory Identification of Emerging Pathogenic Molds—Series

Part 1: [Introduction to Molds](#) | April 14, 2026 | 2:00 – 3:30 pm ET

Part 2: [Hyalohyphomycetes](#) | April 16, 2026 | 2:00 – 3:30 pm ET

Part 3: [Dematiaceous Molds](#) | April 21, 2026 | 2:00 – 3:30 pm ET

Part 4: [Dermatophytes and Endemics](#) | April 23, 2026 | 2:00 – 3:30 pm ET

Part 5: [Mucorales](#) | April 28, 2026 | 2:00 – 3:15 pm ET

Part 6: [Cases in Mycology](#) | April 30, 2026 | 2:00 – 3:30 pm ET

Course # 588-610-26 1.5 contact hours

Course # 588-611-26 1.5 contact hours

Course # 588-612-26 1.5 contact hours

Course # 588-613-26 1.5 contact hours

Course # 588-614-26 1.0 contact hour

Course # 588-615-26 1.5 contact hours

PART 5 | [Mucorales](#)

DESCRIPTION

This course will introduce the mucormycetes; a group of common, fast-growing environmental molds (filamentous fungi).

OBJECTIVES

After completing this webinar the participant will be able to:

- Describe the characteristics that differentiate Mucorales from other molds
- Explain the unique structures that are specific to mucormycetes
- Identify the most common genera of Mucorales including *Rhizopus* and *Mucor*

SPEAKERS

Presenter

- **Elizabeth Berkow, PhD, D(ABMM)**, team lead, CDC Laboratory Assay Readiness (LASR) Office

Moderator

Shawn Lockhart, PhD, D(ABMM), F(AAM), senior advisor for mycology, CDC Mycotic Diseases Branch

PART 6 | [Cases in Mycology](#)

DESCRIPTION

This course will introduce the mold laboratory and discuss cases of fungal disease.

OBJECTIVES

After completing this webinar the participant will be able to:

- Explain the basics of setting up a diagnostic mycology laboratory
- Describe media requirements
- Describe acceptable specimens
- Describe results reporting
- Discuss how to piece together a mold identification from a case

SPEAKERS

Presenter

- **Lars F. Westblade, PhD, D(ABMM)**, medical director, Clinical Microbiology, Weill Cornell Medical Center

Moderator

Shawn Lockhart, PhD, D(ABMM), F(AAM), senior advisor for mycology, CDC Mycotic Diseases Branch