

Climate Change: Projecting the Impact on Infectious Diseases

Heat waves. Cold blasts. Wild weather. While we all may feel the impacts of climate change personally, let's not forget that humans aren't the only ones impacted. Fungi, microbes and other pathogens are impacted as well, and as they go, so go infectious diseases.

Attendees will get a look at how these changes are expected to impact ID in the session "Infectious Diseases From Climate Change and Natural Disasters" at 3:15 p.m. ET, Saturday, Oct. 14. Spoiler alert: The changes could be profound.

George Thompson III, MD, a professor of medicine at the University of California-Davis Medical Center, will explore how rising temperatures will impact fungi. "There's prevailing thought that human body temperature is the main defense against fungi," said Dr. Thompson, who, in addition to presenting on fungi, will moderate the session with A. Krishna Rao, MD, MS, associate professor at the University of Michigan. "As the

"The number of different diseases we see is going to be significantly multiplied. We're already seeing early signs of that. To what extent, I don't know, but it sure seems like equatorial diseases are going to move further north and south."

— George Thompson III, MD

environment warms and fungi adapt and change, the threshold will be reduced."

This is no future state. Already, valley fever (*Coccidioides*) is emerging "farther north than what we used to see," Dr. Thompson said. "It seems like the disease is also moving eastward into southern Colorado and perhaps Nebraska. We're definitely starting to see a small number

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The popular IDBugBowl competition will return to IDWeek 2023 in Boston, Oct. 11-15.

Tips From IDBugBowl Champs and Hosts: Study Hard, Have Fun

Surely Alex Trebek — or, more currently, Ken Jennings and Mayim Bialik — didn't have to worry about headgear when preparing to host Jeopardy.

But for the hosts of IDBugBowl, what's on their heads requires much forethought. For the teams participating, however, what's in their heads is most important.

The Jeopardy-style quiz game — occurring at IDWeek 2023 on Saturday, Oct. 14, from 4:45-6 p.m. ET — brings together teams to test their knowledge in all things ID, with a few things about

the host city thrown in for good measure. But be warned: It's impossible to anticipate every potential question, no matter how much you study. Knowing how to buzz in and wager is almost as important as having the right response. That's the advice from current and former hosts as well as the 2022 champions from Mayo Clinic.

Each team consists of three members. Two are required — a current fellow and a current

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REGISTER BEFORE SEPT. 8

INVITE YOUR ID COMMUNITY

SAVE THE DATE

**BOSTON, MA
OCT. 11 – 15**

REGISTRATION IS OPEN FOR IDSA, SHEA, PIDS AND HIVMA MEMBERS, AS WELL AS SIDP MEMBERS WHO ARE NOT A MEMBER OF IDSA/HIVMA/SHEA/PIDS.

SIDP members are not currently eligible for IDWeek member rates.

Don't miss the premier international infectious diseases meeting of the year!

See You There!

We look forward to seeing you at IDWeek. Know a colleague or friend who should attend?

Encourage them to register before rates increase after Sept. 8!

idweek.org/registration




Get ready for IDWeek 2023: Watch our promotional video!

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Looking Back at IDWeek 2022, Live and in Person in D.C.

Last year, the program committee for IDWeek 2022 had the same high bar as previous conference organizers in assembling a program with cutting-edge presentations, outstanding networking opportunities and a great location. But the hurdle was higher: They were planning the first IDWeek in the COVID era to include an in-person component.

The challenges were huge: “We had to absolutely [ensure] safety and the perception of safety,” said Adarsh Bhimraj, MD, FIDSA, a 2022 chair representing the Infectious Diseases Society of America who is also a member of the 2023 program committee. “The second thing was, this is a time when people are used to virtual. It’s the first time we’re going hybrid. Can we have a meaningful experience both for a virtual and a live audience?”

The answer was a resounding yes, so much so that 2023 will also be hybrid. For his part, Dr. Bhimraj believes that is the way of the future.

But that doesn’t mean it’s easy. “There have to be unique, meaningful experience when people go live.”

Consequently, several new features were added in 2022, focused on “the human side of ID,” he said. The new offerings included the BugHub, a central space where attendees could gather, network and take advantage of different IDWeek and partner society opportunities. The IDWeek Photo Contest invited submissions of images showing the human aspect of the COVID-19 pandemic from those on the front lines. Both are back for IDWeek 2023 in Boston.

While the program committee has many conversations over the year to make the best event for attendees, they all have highlights, too.

Top on that list: “Getting back together in person, that goes without saying,” said Colleen Kelley, MD, MPH, FIDSA, a 2023 vice-chair representing the HIV Medicine Association who also served on the 2022 committee. “So many people in the room had made a significant [contribution] to the COVID response. All of us [were] there sharing our grief and our stress and our joy that things were in a better place than in 2021.”

Lisa Dumkow, PharmD, BCIDP, the Society of Infectious Diseases Pharmacists’ representative on the 2023 program committee, echoed those sentiments. “IDWeek 2022 in Washington, D.C., was full of excitement — being back in person for the first time in several years, feeling refreshed by the live content and seeing friends and colleagues



Attendees view submissions for the IDWeek Photo Contest at the start of the Opening Plenary during IDWeek 2022 in Washington, D.C.

I hadn’t seen in quite some time.”

There were other highlights too.

“I actually was really excited about ‘Women in ID,’” said Belinda Ostrowsky, MD, MPH, FIDSA, FSHEA, a 2022 IDWeek vice-chair for the Society for Healthcare Epidemiology of America and chair for 2023. “I think that the pandemic was hard on all of us, but especially for women. They did double duty because their kids were home.”

Hayley Gans, MD, FIDSA, FPIDS, was a 2022 IDWeek chair for the Pediatric Infectious Diseases Society. “A couple of things that were really important in planning all of our sessions were diversity, vision, connectivity, collaboration and innovation. I think it really culminated well in this event.”

The timing was right, she said. “Our field is changing incredibly. We wanted to make sure that each session was innovative and not a review. How can you tell us what is happening in the forefront of the field for you?”

That meant reaching out to a diverse group of speakers and pairing junior faculty with senior faculty. “Seeing all of that come to fruition in all of our different offerings and sessions was a highlight for me,” Dr. Gans said.

Twisha Patel, PharmD, BCIDP, the SIDP representative on the 2022 program committee, echoed those sentiments: “Overall, this went quite well,

thanks a lot to the amazing IDWeek staff. There is a ton of preparation prior to the meeting by the IDWeek Program Committee. This includes working with the moderators to ensure sessions run smoothly. Beyond that, we had a really great communications strategy by utilizing social media accounts of our partner societies, print media, newsletters and signs in the event space.”

For her part, Dr. Dumkow found incredible value in sessions including “Hot Topics in Antimicrobial Stewardship” and “Effective Collaborations Between Stewards and the Microbiology Laboratory,” “which had all-star speaker panels, and I felt provided excellent updates that could be readily applied to practice.”

“It was also SIDP’s first year as a partner society at a live meeting,” Dr. Dumkow noted. “I enjoyed seeing the organization highlighted as an IDWeek partner, including having a booth in the Expo hall where members could meet up and use the charging stations and where nonmembers could learn more about SIDP’s mission and the resources we offer.”

The 2022 event had to walk a tightrope between looking back “without losing sight of what we’d just learned coming out of the pandemic,” Dr. Gans said. “Science really changed in the pandemic. We brought that out in many of our sessions.”

Coming to IDWeek Early? Take Advantage of Premeeting Workshops

Visit the Program section of the IDWeek 2023 website (www.idweek.org/program) to learn more and to register for workshops.

Want to participate in more than one workshop? Select workshops will be available on demand after IDWeek.

Tuesday, Oct. 10

8 a.m.-5 p.m. ET

Best Practices for Antibiotic Stewardship Programs

8 a.m.-5:30 p.m. ET

Vincent T. Andriole ID Board Review Course

1-5 p.m. ET

Research Training Programs, Careers and Grant-Writing Strategies for ID Physician-Scientists

Wednesday, Oct. 11

8 a.m.-Noon ET

Achieving Success and Scholarship as an Infectious Diseases Health Professions Educator Through Curriculum Development

Expanding Your Influence to Improve Antibiotic Use in Outpatient Settings

Fellows’ Day

How to Use EBM/GRADE to Develop Guidelines

Pus, Slough and Drainage: Oh My! Hands-On Introduction to Wound Care for the ID Clinician

TB Workshop

8 a.m.-1 p.m. ET

Pediatric Fellows’ Day



IDWeek 2023 Program-at-a-Glance

Tuesday, Oct. 10

8 a.m.-5:30 p.m. ET
Premeeting Workshops

5:30-6:30 p.m. ET
Industry-Sponsored Presentation Theaters

6:30-8:30 p.m. ET
Industry-Sponsored Education Evenings

9:15-10 a.m. ET
Joseph E. Smadel Lecture

10 a.m.-2 p.m. ET
Exhibit Hall Open

10:15 a.m.-2 p.m. ET
Industry-Sponsored Learning Lounges

10:30-11:45 a.m. ET
Meeting Sessions

10 a.m.-2 p.m. ET
Exhibit Hall Open

10:15 a.m.-2 p.m. ET
Industry-Sponsored Learning Lounges

10:30-11:45 a.m. ET
Meeting Sessions

12:15-1:30 p.m. ET
Poster Presentations

10:15 a.m.-2 p.m. ET
Industry-Sponsored Learning Lounges

10:30-11:45 a.m. ET
Meeting Sessions

12:15-1:30 p.m. ET
Poster Presentations

1:45-3 p.m. ET
Meeting Sessions

Wednesday, Oct. 11

7 a.m.-1 p.m. ET
Industry-Sponsored Satellite Symposia

8 a.m.-1 p.m. ET
Premeeting Workshops

1:30-3:15 p.m. ET
Meeting Sessions (Official Start of the Program)

3:45-5:30 p.m. ET
Opening Plenary

5:30-6:30 p.m. ET
Opening Reception

7:30-9:30 p.m. ET
Industry-Sponsored Satellite Symposia

12:15-1:30 p.m. ET
Poster Presentations

1:45-3 p.m. ET
Meeting Sessions

3:15-4:30 p.m. ET
Meeting Sessions

3:15-4:30 p.m. ET
Caroline B. Hall Lecture

4:45-6 p.m. ET
Maxwell Finland Lecture

7-9 p.m. ET
Industry-Sponsored Satellite Symposia

12:15-1:30 p.m. ET
Poster Presentations

1:45-3 p.m. ET
Meeting Sessions

3:15-4:30 p.m. ET
Meeting Sessions

4:45-6 p.m. ET
SHEA Lectureship
Stanley A. Plotkin Lectureship in Vaccinology

6-8 p.m. ET
Industry-Sponsored Satellite Symposia

3:15-4:30 p.m. ET
Meeting Sessions

4:45-6 p.m. ET
IDBugBowl

6-7 p.m. ET
Industry-Sponsored Presentation Theaters

7-9 p.m. ET
Industry-Sponsored Education Evenings

Friday, Oct. 13

Thursday, Oct. 12

8 a.m.-6 p.m. ET
Poster Hall Open

8-9 a.m. ET
Meeting Sessions

8 a.m.-6 p.m. ET
Poster Hall Open

8-9 a.m. ET
Meeting Sessions

9:15-10 a.m. ET
John F. Enders Lecture

Saturday, Oct. 14

8 a.m.-6 p.m. ET
Poster Hall Open

8-9 a.m. ET
Meeting Sessions

9:15-10 a.m. ET
Edward H. Kass Lecture

10 a.m.-2 p.m. ET
Exhibit Hall Open

Sunday, Oct. 15

8-9 a.m. ET
Meeting Sessions

9:15-10:45 a.m. ET
Closing Plenary

To view the full Interactive Program, visit idweek2023.eventscribe.net

Safely reduce antibiotic exposure

Breaking evidence and insights into effective utilization and implementation of procalcitonin

Thursday, October 12, 2023 | 1:15 pm

Exhibit Hall | Learning Lounge 1

Boston Convention Center and Exhibition Center | Boston, MA

Join us to:

- Review the data from ProSAVE randomized controlled trial supporting PCT-aided antibiotic stewardship in LRTI and sepsis.
- Learn how PCT oversight is a critical component of antibiotic stewardship.
- Explore best practices for a successful PCT implementation leading to confident clinical adoption.
- Gain insight into how PCT-aided antibiotic stewardship provides proper antibiotic management in at-risk patients.

Thermo Fisher
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Rapid-Fire Poster Sessions Are Back!



Rapid-Fire Posters are 30-minute poster sessions held in one of our four Hot Zone Arenas in the Poster Hall. Each presenter will be given 5 minutes to deliver their poster research in an oral format on a screen with an expert moderator and will be able to take questions from the audience. To see the specific sessions and presentations, please check the IDWeek app. Rapid-Fire Poster presentations will not be streamed and will be held **Thursday through Saturday, Oct. 12-14, 12:15-12:45 p.m. ET.**

THANK YOU, REVIEWERS!

The IDWeek Program Committee would like to extend a special “Thank You” to the individuals who generously donated their time and expertise to review abstracts for IDWeek 2023.

Their names can be viewed here:
idweek.org/program/#reviewers



Year-Round Learning with IDWeek Abstracts on Demand

IDWeek 2023 registrants can look forward to access to abstracts on demand for a year after the conference.

Poster abstracts. Poster presenters will upload their presentation and 5 minutes of audio explaining their poster. Poster authors who opt in can also participate in Q&A during and after the conference, through Oct. 25. Attendees will be able to browse posters they may have missed and reach out to authors participating in Q&A to learn more about their posters.

Oral abstracts. Oral abstract presentations will be recorded on site in Boston and posted to the IDWeek online platform (idweek2023.eventscribe.net).

IDWeek registrants will have access to these presentations for at least one year following the conference. Register now at idweek.org/registration to take advantage of these ongoing learning opportunities during and after the in-person event!

What to Wear: Boston Weather in October

New England is known for beautiful fall foliage — and changeable fall weather. If you’re not sure what to pack, here are some tips:

- Historically, daytime high temperatures in mid-October average around 62 F (16-17 C). Evening and early morning low temperatures average around 47 F (8 C). Due to the change in temperature during the day, and the potential for a fall cold snap, it’s helpful to pack layers so that you can adjust to the weather as needed.

- On average, Boston in October will see about 7 days of rain, but it never hurts to have an umbrella or rain jacket on hand in case you need it.

- IDWeek involves a good amount of walking and time on your feet, so don’t forget comfortable shoes!



Hey “Vax,” Answer My IDWeek Questions

Engage with Vax C. Nate, the AI Chatbot for IDWeek 2023. Vax C. Nate is here to answer your questions and is available by scanning the QR code or by viewing the IDWeek 2023 website (look on the bottom right corner of idweek.org). You can also sign up to get your questions answered using text messaging. Text “Hi” to 833-611-8897 to get started!

First Time at IDWeek? Here's How to Make the Most of It

Hannah Imlay, MD, MS, remembers how overwhelming her first IDWeek was.

"The number of people," Dr. Imlay said. "So big! Also, there were so many attractive talks that were all occurring at the same time. For the first several years, I spent a lot of time worrying about how to maximize my time."

Jonathan Baghdadi, MD, PhD, also was a little lost at his first event, during his second year of ID fellowship. "The difficult part was that I was still trying to figure out my niche within the broader world of ID. In any given time slot, there might be two or three sessions that I could see myself attending, and it was hard to know which to choose. I remember bouncing around a lot and sometimes getting lost looking for the right room."

With so many events occurring practically from sunup to sundown (and beyond), it's easy to be swamped by the many things to do. Here's some advice from those who have been there before.

Put a plan in place. "Have a general goal of what you are hoping to accomplish, whether it be to learn the latest evidence on a topic, gain specific skills, network, develop research collaborations or just find an interesting and entertaining session," said Zheyi Teoh, MD, who attended his first in-person event in 2022 after two years of virtual conferences. "You won't be able to attend everything, but you can always listen to a recording later."

Monica Yulieth Hineostroza-Noble, MD, will be at her first in-person IDWeek in 2023 — and she has already learned a few things from attending virtually. "I did not prepare. I checked the schedule and was like, 'These seem fun. I'll try to make them.' The only thing I made a point to enroll for was Fellows' Day. That was an easy pick. I was a beginning fellow and wanted to learn as much ID as I could to impress my attendings."

Know what you hope to accomplish. Dr. Hineostroza-Noble's time in Boston will look very different than her virtual experience. "I want to figure out first what I want to get out of this IDWeek. That will help me pick the things I should prioritize. I would love to be able to go to every single session and every networking event, but that's impossible. If I go in with what I want to get out of it, I will choose things that will make more sense to me."

She's prepping for her ID boards now, so she'll load up on all possible tips and tricks to ace the internal medicine boards. "I will take the helpful review. Also, I'm about to start my first 'big-girl' job in ID, and as a future ID faculty, I want to attend some of the sessions aimed towards early career physicians and curriculum development."

Make sure to include areas of personal interest. "Go to the named lectures and late-breaking oral abstracts that cover topics you're interested in," Dr. Imlay said. "Also try and do some of the smaller group things that allow networking."

Speaking of networking, take advantage of every opportunity. "I'm probably the worst person to ask about networking, but I have a couple



Don't miss the BugHub, a central space where attendees can gather, network and take advantage of different IDWeek and partner society opportunities, in the North Lobby of the convention center.

strategies," Dr. Baghdadi said. "The first is: If I run into an old friend from residency or fellowship, I will ask them which session they are planning to attend and then follow them into the room. It's more fun and engaging to attend a session with someone you know."

His second strategy: "If someone gives an amazing talk that's relevant to my research, I will occasionally email them afterwards to see if they are free to meet up and chat. I admit that this approach has never actually led to a meeting, but one speaker did respond to me over email and has since become someone I can reach out to when I have a question or need advice."

Dr. Hineostroza-Noble intends to prioritize one or two networking events, including one for Hispanic ID professionals. She also will broaden her definition of networking. "While you're having lunch, instead of going to a restaurant, have lunch in the convention center restaurant. While the active conference is going on, try to have your meals there, so that you can meet new people, sit down with people who you have no idea who they are and chitchat. That helped me to make good connections."

Use the tools. The conference app is a must for getting around, several said. Dr. Baghdadi uses it during the conference but plans in advance using the website. "My approach is to pick one or two sessions per day that are the top priority and

"Have a general goal of what you are hoping to accomplish, whether it be to learn the latest evidence on a topic, gain specific skills, network, develop research collaborations or just find an interesting and entertaining session."

— Zheyi Teoh, MD

to build the schedule around those sessions. It's important to plan a few breaks. At least for me, it's impossible to start at 8 a.m. and attend sessions back-to-back for the whole day."

It's OK to have fun. "Take time to explore the city you're in," Dr. Teoh said. "Allow yourself the space to do so, because it's OK to do all three during IDWeek (learn, network and have fun). And who is to say they don't occur simultaneously?"

Final Advice

Wear comfortable shoes, per Dr. Imlay.

Drink plenty of water, according to Dr. Hineostroza-Noble.

And in what may be the most "we've all been there" response, Dr. Baghdadi offers this final piece of advice: "Don't spill coffee all over yourself on the first day of the conference. I can say from personal experience that it sets the wrong tone."

Need Child Care at IDWeek? Sign up by Sept. 26

Child care is available for registered IDWeek attendees from Oct. 10-15. Services will be provided by Tots on the Spot, and parents and guardians will directly coordinate with Tots on the Spot. View additional details at www.totsonthespot.com/idweek-2023.htm and register online.

Tots on the Spot will provide the following services:

- Fun and appropriate arts and crafts for children ages 6 weeks to 12 years.
- Toys for all ages.
- Story times told with flair!
- Games of all kinds and age levels (Candyland, Chutes and Ladders, Uno, Old Maid, Bingo, Jumpin' Monkeys and many more).
- Age-appropriate movies, no more than one per day, per room.

The deadline to sign up for child care is **Sept. 26**.

IDWeek
Register today
at idweek.org!

Explore All Boston Has to Offer While at IDWeek

It's hard enough to figure out how to fit in all the great activities during **IDWeek**, but for those looking to get outside of the convention center for just a bit, they'll find a city with abundant parks, sporting events, culture and history.

History

Boston is rich in historic sites, from **Paul Revere's House** to **Faneuil Hall**, often called the "Cradle of Liberty." The hall was born as a marketplace, complete with a courtyard for orators to inspire with their ideas. Now, it is home to more than 80 retailers and street performers.

In the city's **North End**, take in the **Old North Church** and its steeple where two lanterns sent Paul Revere into his night ride, or check out the harbor where revolutionaries fed up with taxation tossed a bunch of tea overboard.

Boston also is the home of a number of U.S.



The Boston waterfront.

Photo: Brett Wharton/Unsplash

presidents. While John F. Kennedy is one of the city's favorite sons, history buffs know to go a little deeper to find links to other presidents, including father and son John and John Quincy Adams, William H. Taft and Grover Cleveland. George Washington even owned a home in nearby Cambridge.

Perhaps take advantage of the "spirit" of the Halloween season with a guided ghost and graveyards tour offered by Historic Tours of America — Boston (www.historictours.com/boston). See where John Hancock, Paul Revere, Samuel Adams and others rest and hear the stories of the world's greatest grave-robbing scandal.

One if by Land ...

Boston is often cited as one of the country's most walkable cities. Boston's Convention and Visitors Bureau website (www.meetboston.com) includes links to a number of walking tours based on neighborhood or topic of interest. Check out foodie tours, heritage tours or even a self-guided tour. For the history buff, take in a guided walking tour of the **Freedom Trail**, birthplace of the American Revolution, with 16 official sites including Faneuil Hall and the **USS Constitution**.

Why not get a dose of inspiration for that next great idea along Boston's **Innovation Trail** (www.theinnovationtrail.org)? See 21 stops that showcase where everything from the telephone to marshmallow fluff were born. Guided tours are available on the weekends in October.

Or just take in one of the city's many spectacular parks. Top of the notch: the Frederick Law Olmsted-designed **Emerald Necklace park system**. Start your visit at the **Shattuck Visitor Center** to grab a map before starting the exploration. But make sure that the **Kelleher Rose Garden**, with its 200 varieties of rose bushes, is on the list too. It's located in the Back Bay section.

Two if by Sea

While the weather may be too cool to take in the beach or explore water activities like paddle-



Statue of George Washington in the Boston Public Garden.

Photo: Aubrey Odom/Unsplash

boarding or kayaking, Boston does offer plenty of ways to experience the water. A sunset river cruise, a party boat or water taxi all can provide stunning views of the city and its historic harbor.

Classic Harbor Line (boston-sailing.com) is among the many companies that offer sunset tours, though the options here include trips by schooner or motorized yacht. Boston Harbor Duck Tours (bostonducktours.com) cruise in a World War II era amphibious landing craft and combine land and sea sites.

Boston is a great place for inspiration and activity. Take advantage of the city during **IDWeek** — or better yet, tack on a few days to explore.

Riding the Boston Subway: What You Need to Know

When it comes to getting around Boston, it's important to know your colors: Red, orange, green and blue all signify key lines of the Massachusetts Bay Transit Authority's commuter rail, known as the T.

Silver is a color worth noting, too, though that line is actually a bus (although some of its stops are underground). The Silver Line connects to the Boston Convention and Exhibition Center at the World Trade Center stop. Silver also provides access to Logan International Airport. But if you want to stick to subways, the Red Line's South Station stop is about a six-minute walk to the convention center.

A one-way ride on the subway is \$2.40, and single day (\$7) or one-week (\$11) options are available.

Many of Boston's key attractions are easily accessible via the subway, so we'll concentrate there. But if you're looking to go further afield, the MBTA's website has good beginners guides for using the bus system, commuter rail and ferry (www.mbta.com/guides).

The Green Line is the access point to many of Boston's cultural activities, including Symphony Hall, home of the Boston Pops and Boston Symphony Orchestra. Take the Symphony stop, naturally. Museums like the Museum of Fine Arts and the Isabella Stewart Gardner Museum are at

the Museum of Fine Arts stop, while the Museum of Science is at Science Park.

Or get out in the open air at the Boston Common (Park Street) or Public Garden (Park Street or Arlington) and the Charles River Esplanade (Arlington).

The Green Line also connects to Fenway Park (home of the Red Sox) at Kenmore and at TD Garden (home of the Celtics and Bruins) at North Station.

The Orange Line provides access to history and ethnic communities. The Haymarket stop includes the Haymarket, Boston's oldest outdoor market, the North End (Boston's Little Italy), Paul Revere's House, the Old North Church and Faneuil Hall Marketplace. Chinatown Station is near Boston's Chinatown and also provides access to Boston's Theater District (also accessible at the Tufts Medical Center stop).

The Red Line's South Station not only provides access to the convention center, but also connects to the Boston Harborwalk, Children's Museum and Tea Party Ships & Museum. Downtown Crossing includes shopping and dining destinations, while the JFK/Umass stop is closest to the John F. Kennedy Presidential Library and Museum as well as the Edward M. Kennedy Institute for the United States Senate. (Both are about a mile away, but a free shuttle service is provided from

the station during the day.)

The Blue Line provides access to Boston's many sea-related attractions. Revere Beach and Wonderland stops offer beach access while Suffolk Downs is worth a visit to the Belle Isle Marsh Reservation, the state's last remaining salt marsh. The Aquarium stop includes the Christopher Columbus Waterfront Park and the New England Aquarium.

Visiting colleagues while you're in town? Several of the major medical centers in the area are accessible via the T: Beth Israel Deaconess Medical Center (Longwood Medical Area and Longwood stops on the Green Line), Boston Children's Hospital (also Longwood Medical Area and Longwood stops), Brigham and Women's Hospital (Brigham Circle stop on the Green Line), Boston Medical Center (Park Street stop on the Silver Line, or if you prefer a shorter walk, the hospital website [www.bmc.org/visiting-us/directions-and-transportation/subway] recommends several bus options), Massachusetts General Hospital (Charles/MGH stop on the Red Line) and Tufts Medical Center (Tufts Medical Center stop on the Orange Line).

It may be difficult to think about being away from the many great **IDWeek** events to explore Boston, but the T makes it easy to access the city when you do.

IDBugBowl

Continued from page 1

resident — while the third can be a fellow, resident or student.

Divide and Conquer

A diverse team is one of the keys to success, said Vanessa Gow-Lee, MD, a chief resident and member of the 2022 Mayo team alongside Said El Zein, MD, and Bismarck Bisono Garcia, MD. “Because we were all at different levels of our training, what naturally ended up happening was Said had the best topics while Bismarck had access to study materials. We divided up the topics, but we tried to overlap so that there were multiple people looking at the categories.”

The team studied presidents who had infectious diseases — correctly anticipating there might be a line of questions related to the 2022 IDWeek host city of Washington, D.C.

The Mayo team also had the good fortune of wide support from their program director, staff and co-fellows. “They formed an email chain,” Dr. El Zein said. “Every time someone thought about a tricky question, they would send it over. Every day, we got 10 questions, and we compiled them in a folder. Two of our weekly noon lectures were converted into a Jeopardy-style session and they invited all the fellows — even those at Mayo in Arizona and Florida — to participate. These were the most helpful, to be honest.”

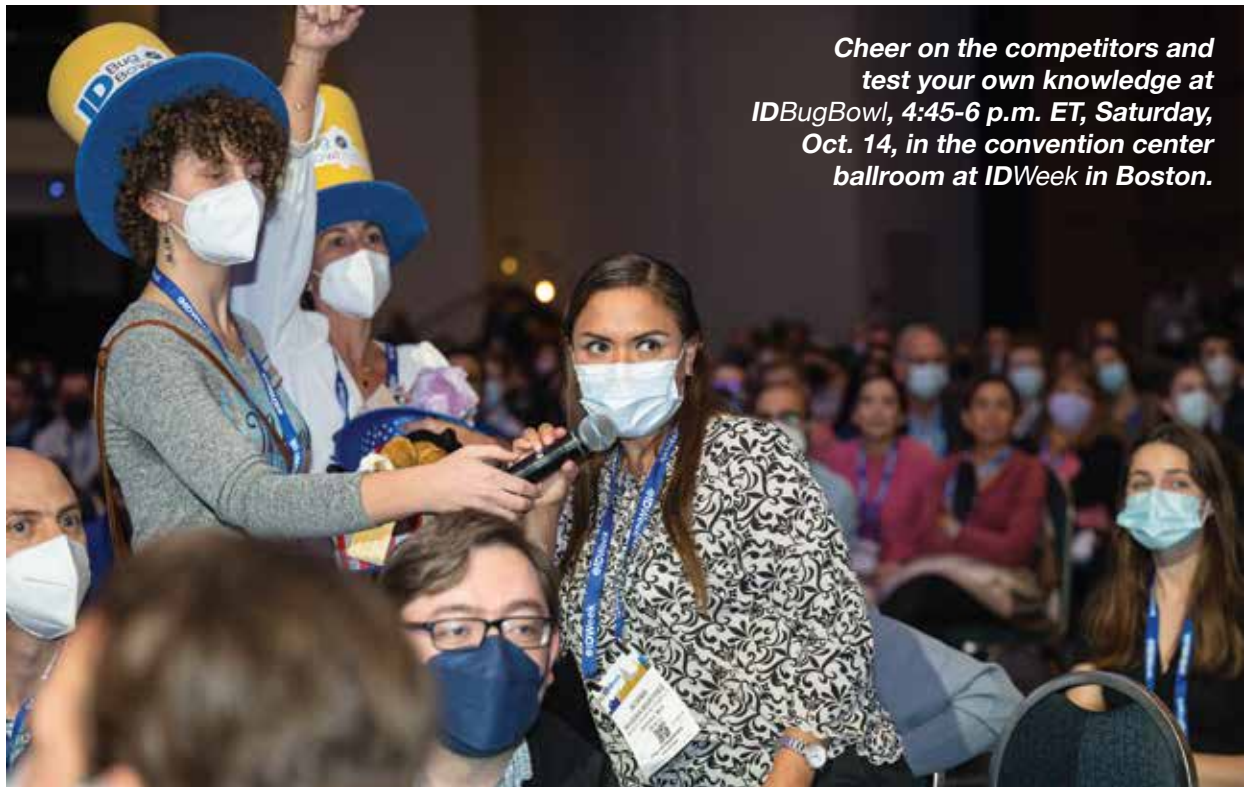
Dr. Bisono Garcia suggests teams preparing this year forgo the clinicals: “Study the facts. If there are dates, people or prizes involved, those are the things that you need to study. Study the unique characteristics of organisms and diseases. They’ll never ask things that can be one thing or another. It must be unique.”

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Asking the Right Questions

The hosts and committee work hard to ensure that questions are just that: unique. Adarsh Bhimraj, MD, FIDSA, hosted for seven years, but will be handing over those duties to Laila Woc-Colburn, MD, DTM&H, FIDSA, and Ishminder Kaur, MD. Dr. Kaur co-hosted alongside Dr. Bhimraj in 2022 when the event returned to in-person competition after a virtual 2021. Hosts are known for their interesting headgear choices, and Drs. Kaur and Woc-Colburn were in discussions about what that would be for 2023.

That moment on stage is the culmination of a



Cheer on the competitors and test your own knowledge at IDBugBowl, 4:45-6 p.m. ET, Saturday, Oct. 14, in the convention center ballroom at IDWeek in Boston.

year’s worth of work for the committee, Dr. Bhimraj said: “We pick fun categories based on the town and then ensure that we cover the breadth of ID.” Topics are then honed down to questions, and committee members review and verify, most often using the primary source. Hosts do the same.

“We ensure that everything is accurate, and no question has any controversy,” Dr. Kaur said. “We want to present the best slate available to the teams so they’re not being confused. We try to emphasize that: It’s a game. If something happens, just move on at that point. We try hard every year, but sometimes there is a glitch. We do our best to minimize it.”

For her part, Dr. Kaur’s preparation also includes consideration of “which sneakers I’m going to wear this year.”

Preparing for Game Day

Teams also are encouraged to put some thought into their wardrobes and team names — all with an eye toward making it as much fun as possible. Dr. Gow-Lee, now an ID fellow at Stanford, coined the Mayo team’s opening statement: “Forget Minnesota nice. Our hearts can be as cold as the tundra that we’re coming from.”

That hints at a wicked strategy — with the emphasis on strategy. As in the TV version of the game, knowing how to wager is almost as import-

ant as knowing the answer. The Mayo team was not in the lead heading into the “final Jeopardy” question, which they answered incorrectly. But so did everyone else. Because Mayo wasn’t confident of the category (which is revealed before the wager takes place), the team’s small wager meant a smaller loss of points for missing it, leading to the win.

“It’s a strategy and knowledge game,” Dr. Woc-Colburn said. “You can start with the easy question, but sometimes the 400 and 500 [point questions] are easy, and you can get lots of points by choosing them.”

The Mayo team and hosts recommend taking advantage of the pre-sessions for the teams selected. There, they will learn more about the rules and some tips on strategy and buzzer technique.

On the day of the event, “expect that you’re going to be nervous, and you’ll forget everything you know,” Dr. Gow-Lee said. “The best thing about it was being in a big room with a lot of other people who were excited about learning. People aren’t judging you for not knowing something.”

And most of all, have fun. “Joke a little bit, laugh a little bit,” Dr. El Sain said. “ID is such a huge topic, and we’re going to keep learning. Even people in the audience don’t know most of the answers. Don’t feel pressured. That’s the whole purpose of Jeopardy, to ask questions about things you’ll never see in your life.”

Climate Change

Continued from page 1

of cases in sites [where] we’ve not seen it there before.”

It’s not just fungi that will change along with the climate. Regina C. LaRocque, MD, MPH, associate professor of medicine at Massachusetts General Hospital, will explore how waterborne infections may be impacted. Nelson Agudelo Higuera, MD, associate professor of medicine at the University of Oklahoma Health Sciences Center, will discuss vector-borne infections and climate change. Dr. Thompson points to the recent malaria cases in Florida as an example of what may be coming.

Dr. LaRocque, along with several co-authors, published on the topic in *Clinical Infectious Diseases* in March, exploring the many facets of ID that rising temperatures will affect.

In their article, the authors noted that “[g]lobal warming is leading to changes in the density and range of vector populations, as well as the migra-

tion patterns of animals and birds. Avian influenza in waterfowl and shore birds, Lyme disease and West Nile virus have all been shown to be spread by migratory animals. Changes in ecosystems from drought, fires and other extreme weather may force animal species and humans into closer proximity. Changes in the incidence of human and animal diseases may be an early sign that geographic ranges of intermediary hosts and vector species are evolving.”

The research also cited extreme weather events, human migration and migratory changes for birds and animals as factors that could impact infectious diseases.

This is not just a future forecast — much of it is already at play. In the *CID* article, Dr. LaRocque and colleagues cited vector-borne illness changes such as “sustained localized transmission of Zika and chikungunya, the spread of dengue from localized areas in Texas and Florida and the reintroduction of yellow fever, which has not been seen in the United States for more than a century.”

The same is true of waterborne illnesses. “Re-

cently, cases of non-cholera *Vibrio* infection have been newly reported in Alaska and increasingly in the mid-Atlantic region,” the authors wrote.

ID physicians and public health professionals may find themselves encountering new diseases in their regular practice, Dr. Thompson believes. “The number of different diseases we see is going to be significantly multiplied. We’re already seeing early signs of that. To what extent, obviously I don’t know, but it sure seems like equatorial diseases are going to move further north and south. Diseases more highly linked to precipitation patterns are going to adapt. We’ll learn a lot in the next five years.”

 **IDWeek**
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Industry-Supported Satellite Symposia, Learning Lounges

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Tuesday, Oct. 10

5:30 p.m. - 6:30 p.m.	Emerging Infectious Diseases: Spotlight on Mpox and Chikungunya	Westin Grand Ballroom Section B	Presentation Theater Supported By: Bavarian Nordic
5:30 p.m. - 6:30 p.m.	Help Protect Against Invasive Pneumococcal Disease in Children	Westin Grand Ballroom Section C	Presentation Theater Supported By: Merck & Co., Inc.
6:30 p.m. - 8:30 p.m.	Considerations for CMV Disease Prevention in Kidney Transplantation	Westin Grand Ballroom Section D	Industry Education Evening (Non CE) Supported By: Merck

Wednesday, Oct. 11

7 a.m. - 9 a.m.	New Strategies for an Old Problem: Where Are We With Influenza?	Westin Marina Ballroom 1 & 2	Satellite Symposia (CE) Supported By: Moderna, Inc.
9 a.m. - 11 a.m.	The Need for Speed: Syndromic Testing to Improve Management of Bloodstream Infections	Westin Harbor Ballroom 1	Satellite Symposia (CE) Supported By: bioMérieux
9 a.m. - 11 a.m.	Essential Updates in COVID-19 Vaccines: From Breakthroughs to Boosters	Westin Harbor Ballroom 2 & 3	Satellite Symposia (CE) Supported By: Moderna, Inc.
11 a.m. - 1 p.m.	Putting RSV Burden Under a Microscope: Trends, Advances and Impact on Lives	Westin Grand Ballroom Section C, D, E	Satellite Symposia (CE) Supported By: Moderna, Inc.
11 a.m. - 1 p.m.	Optimizing Opportunities in Vaccination: Practical Considerations for an Evolving COVID-19 Landscape	Westin Grand Ballroom Section B	Satellite Symposia (CE) Supported By: Novavax
11 a.m. - 1 p.m.	Tackling the Problem Head On: Key Considerations for CMV in the Post-Transplant Setting	Westin Commonwealth Ballroom A, B, C	Satellite Symposia (CE) Supported By: RMEI/Takeda
11 a.m. - 1 p.m.	Satellite Symposia (CE) Supported By: GlaxoSmithKline	Westin Grand Ballroom Section A	Satellite Symposia (CE) Supported By: GlaxoSmithKline
7:30 p.m. - 9:30 p.m.	Modern Approaches to CMV Prevention in Solid Organ Transplant Recipients	Omni Marquee	Satellite Symposia (CE) Supported By: Merck Sharp & Dohme Corp.
7:30 p.m. - 9:30 p.m.	Congenital Cytomegalovirus: Looking Toward the Future	Omni Ensemble A, B, C	Satellite Symposia (CE) Supported By: Moderna, Inc.

Thursday, Oct. 12

10:15 a.m. - 11 a.m.	Rise Above Recurrent <i>C. Difficile</i> Infection With REBYOTA®	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: Ferring Pharmaceuticals Inc.
10:15 a.m. - 11 a.m.	Now FDA Approved: A New Monoclonal Antibody for the Prevention of RSV Disease in Infants	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: Sanofi
10:15 a.m. - 11 a.m.	Disease Burden and Unmet Need in COVID-19 Management	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 3	Learning Lounge Supported By: Pfizer
10:15 a.m. - 11 a.m.	mRNA Technology: The Past, the Present and the Potential for the Future	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 4	Learning Lounge Supported By: Pfizer
11:15 a.m. - Noon	Fear of Failure: Risk Factors for Treatment Failure in Uncomplicated UTI	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: GlaxoSmithKline
11:15 a.m. - Noon	Navigating the New Normal: Vaccinating Against COVID-19 in 2023 and Beyond	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: Moderna TX

Presentations, Presentation Theaters and Industry Education Evenings

11:15 a.m. - Noon	A Newly Approved Respiratory Syncytial Virus (RSV) Vaccine to Help Protect Adults 60 Years and Older	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 4	Learning Lounge Supported By: Pfizer
12:15 p.m. - 1 p.m.	Considerations for Choosing a PrEP Medication	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: Gilead Sciences, Inc.
12:15 p.m. - 1 p.m.	Navigating RSV in Adults: Insights Into Disease and Vaccination	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: GSK
12:15 p.m. - 1 p.m.	AdiPOSE A CASE: Patient Profile Discussions on Central Adiposity Management in PWH	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 3	Learning Lounge Supported By: Theratechnologies
12:15 p.m. - 1 p.m.	The Journey Toward a Test to Treat Program for Underserved Populations in New Mexico	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 4	Learning Lounge Supported By: Roche
1:15 p.m. - 2 p.m.	Breaking Evidence and Insights Into Effective Utilization and Implementation of Procalcitonin	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: Thermo Fisher Scientific
1:15 p.m. - 2 p.m.	Communicating With Vaccine-Hesitant Parents and Patients	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: GSK & Sanofi
1:15 p.m. - 2 p.m.	COVID-19: Protecting Vulnerable Populations	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 3	Learning Lounge Supported By: AstraZeneca
1:15 p.m. - 2 p.m.	Antimicrobial Stewardship-Based Integration of Rapid Molecular Diagnostics and PCT for Pneumonia	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 4	Learning Lounge Supported By: bioMerieux
7 p.m. - 9 p.m.	Staying Vigilant for Immunocompromised Patients: Insights From a COVID-19 Expert Working Group	Omni Marquee	Satellite Symposia (CE) Supported By: AstraZeneca
7 p.m. - 9 p.m.	Breaking Down Barriers: Dialogues on Optimizing Engagement in HIV Care	Omni Ensemble A, B, C	Satellite Symposia (CE) Supported By: Gilead Sciences, Inc.
7 p.m. - 9 p.m.	Clinical Case Studies in Nontuberculous Mycobacterial Lung Disease: Expert Insights on Best Practices	Omni Ensemble D	Satellite Symposia (CE) Supported By: Insmmed Incorporated
7 p.m. - 9 p.m.	HIV Management: Clinical Case Conundrums — A Wheel of Knowledge Challenge!	Omni Ensemble E, F, G	Satellite Symposia (CE) Supported By: ViiV Healthcare

Friday, Oct. 13

10:15 a.m. - 11 a.m.	Chasing the Changes: Protecting the Vulnerable	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: Invivyd, Inc.
10:15 a.m. - 11 a.m.	Fetroja® (cefiderocol): An Overview of In Vitro and Clinical Data	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: Shionogi, Inc.
10:15 a.m. - 11 a.m.	A Next-Generation Conjugate Vaccine to Help Address the Unmet Burden of Pneumococcal Disease in Children	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 3	Learning Lounge Supported By: Pfizer
10:15 a.m. - 11 a.m.	Keeping an Eye on Data Quality and Why Trial Design Matters	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 4	Learning Lounge Supported By: Sanofi

Industry-Supported Satellite Symposia, Learning Lounges

Friday, Oct. 13, continued

11:15 a.m. - Noon	Patient and Physician Conversations: An Overview of Clinical Data for a Long-Acting HIV Treatment and a Patient Ambassador's Perspective	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: ViiV Healthcare
11:15 a.m. - Noon	An Effective, Broad-Spectrum Antibiotic for the Treatment of ABSSSI and CABP in Adults	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: Paratek Pharmaceuticals, Inc.
11:15 a.m. - Noon	Transforming Diagnostics and Genomic Surveillance — Case Studies Using ARES AI-Powered NGS	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 3	Learning Lounge Supported By: OpGen
11:15 a.m. - Noon	Acting on Results: How Culture Independent Diagnostics Impact Patient Care and Stewardship	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 4	Learning Lounge Supported By: T2 Biosystems
12:15 p.m. - 1 p.m.	HIV Drug Resistance: Lessons From the Past and Predictions for the Future	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: Gilead Sciences, Inc.
12:15 p.m. - 1 p.m.	Key Updates and Challenges in the Management of RSV and Other Respiratory Viruses in the Immunocompromised: An Expert Discussion and Real-World Experience	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: ADMA Biologics
12:15 p.m. - 1 p.m.	PrEP Today: Data Discussions on an HIV-1 PrEP Option	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 3	Learning Lounge Supported By: ViiV Healthcare
12:15 p.m. - 1 p.m.	New Routes to Viral Suppression: Current and Future Options for Heavily Treatment-Experienced Patients With HIV	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 4	Learning Lounge Supported By: Theratechnologies
1:15 p.m. - 2 p.m.	Real-World Evidence in HIV Treatment	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: ViiV Healthcare
1:15 p.m. - 2 p.m.	Diagnostic Stewardship in Acute Infectious Gastroenteritis: What Can Real-World Data Tell Us?	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: bioMerieux
1:15 p.m. - 2 p.m.	Evolving COVID-19 Landscape: Variant Emergence, Strain Selection and Select Vaccination Updates	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 3	Learning Lounge Supported By: Pfizer
1:15 p.m. - 2 p.m.	New Frontiers in RSV Disease Prevention in Infants	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 4	Learning Lounge Supported By: Sanofi
6 p.m. - 8 p.m.	Near Patient Testing for Infectious Diseases: Impact, Lessons Learned and Future Directions for Rapid Point of Care Tests	Westin Grand Ballroom Section A	Satellite Symposia (CE) Supported By: Abbott
6 p.m. - 8 p.m.	Paradigm Shift in Microbiome Restoration for CDI: Defining the Role of Live Biotherapeutic Products	Westin Commonwealth Ballroom A, B, C	Satellite Symposia (CE) Supported By: Ferring Pharmaceuticals Inc.
6 p.m. - 8 p.m.	Translating Breakthroughs in RSV Vaccine Science Into Care for Older Adults	Westin Grand Ballroom Section B	Satellite Symposia (CE) Supported By: GlaxoSmithKline LLC
6 p.m. - 8 p.m.	The X Factor: Following the Science to Confront MDR, DTR and XDR Gram-Negative Infections	Westin Grand Ballroom Section C, D, E	Satellite Symposia (CE) Supported By: Merck Sharp & Dohme Corp.

..., Presentation Theaters and Industry Education Evenings

Saturday, Oct. 14

10:15 a.m. - 11 a.m.	The Rising Prevalence of Gram-Negative Resistance and the Need for Timely and Comprehensive Antibiotic Therapy	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: AbbVie
10:15 a.m. - 11 a.m.	Community-Acquired Pneumonia in the Outpatient Setting: Unmet Needs and Current Treatment Challenges	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: Paratek Pharmaceuticals, Inc.
10:15 a.m. - 11 a.m.	Infection Management in the Emergency Department and the Silent Burden of Congenital CMV Infections in the U.S.	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 4	Learning Lounge Supported By: Luminex Corporation — A DiaSorin Company
11:15 a.m. - Noon	Leveraging Active Diagnostic Stewardship Interventions to Optimize the Outcomes of Patients With Bacteremia	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: Roche
11:15 a.m. - Noon	Learning Lounge 2 Supported By: Dompe	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: Dompe
12:15 p.m. - 1 p.m.	Treatment Approaches and the Role of VEKLURY (remdesivir): Updates to Guidelines and Safety Information	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 1	Learning Lounge Supported By: Gilead Sciences, Inc.
12:15 p.m. - 1 p.m.	The Role of the Infectious Disease Specialist in Supporting Community Vaccination	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 2	Learning Lounge Supported By: Moderna TX
12:15 p.m. - 1 p.m.	Re-Imagining the Diagnostic Approach to Joint Infections	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 3	Learning Lounge Supported By: bioMerieux
12:15 p.m. - 1 p.m.	Learn How to Help Your ABSSSI Patients Avoid Hospitalization	Boston Convention and Exhibition Center Exhibit Hall Learning Lounge 4	Learning Lounge Supported By: AbbVie
6 p.m. - 7 p.m.	The Power of Plasma Microbial Cell-Free DNA: Real-World Application of a Liquid Biopsy for Infectious Disease	Westin Commonwealth Ballroom A	Presentation Theater Supported By: Karius
6 p.m. - 7 p.m.	How New Rapid Antimicrobial Susceptibility Testing Technologies for Blood Cultures Change the Paradigm of Patient Care	Westin Commonwealth Ballroom C	Presentation Theater Supported By: Selux Diagnostics
6 p.m. - 7 p.m.	Chikungunya Is an Increasing Global Threat: The Need for Better Protection	Westin Grand Ballroom Section C, D, E	Presentation Theater Supported By: Valneva
7 p.m. - 9 p.m.	Acute and Long COVID-19 Management Post-Pandemic: To 2024 and Beyond	Westin Grand Ballroom Section A	Industry Education Evening (Non CE) Supported By: Shionogi, Inc.

Schedule current as of August 31, 2023



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