



AMP2023

ANNUAL MEETING & EXPO

NOVEMBER 14-18, 2023 • SALT LAKE CITY, UT, USA

PROGRAM BOOK





Drug Target and Biomarker Discovery. Simplified.



YOUR INPUT

Cell or Animal Models
Biological Samples

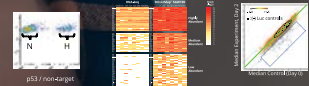


YOUR BRIDGE TO DISCOVERY

- CRISPR / RNAi Libraries & Genetic Screens
- DriverMap™ Targeted RNA-Seq Expression Profiling
- DriverMap™ Adaptive Immune Receptor Profiling
- CloneTracker™ Barcode Libraries

YOUR RESULTS

Functionally Important Genes
& Biomarkers



Join us for

CORPORATE WORKSHOP Wednesday, November 15 from 2:00 – 2:50 pm in Room 255A

or

INNOVATION SPOTLIGHT Friday, November 17 from 9:30 – 10:00 am at Exhibit Hall Stage 2

TCR & BCR Repertoire Analysis and Other Approaches for the Discovery of Drug Targets, Resistance Mechanisms and Biomarkers

Paul Diehl, Ph.D.

Chief Operating Officer
Cellecta, Inc

Alex Chenchik, Ph.D.

President & Chief Scientific Officer
Cellecta, Inc

See us at Booth 1809 and get more details at Cellecta.com/amp2023

Real expertise delivering superpowered results.

Who we are

Cellecta is a leading provider of genomic products and services. Our functional genomics portfolio includes loss-of-function and gain-of-function screening services, custom and off-the-shelf CRISPR libraries and transcriptome profiling products and services and much more.

We help power your discovery.

www.cellecta.com info@cellecta.com +1 650-938-3910



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Mountain View, CA 94043 USA

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WELCOME TO THE 2023 ASSOCIATION FOR MOLECULAR PATHOLOGY ANNUAL MEETING & EXPO!

From the 2023 Program Committee,

It has been a true pleasure to work alongside the members of the 2023 AMP Annual Meeting Program Committee and the AMP staff to put together a program that truly represents our membership as well as the current state of Molecular diagnostics, while looking into future advancements in our valued profession.

This year's meeting will continue to embody the spirit of the AMP community: Engaging trainees and early career members, networking with colleagues, exchanging ideas and collaborating on projects and hearing about the latest advances in molecular diagnostics and interacting with our industry colleagues. In addition to GetAMPed and the Corporate Workshop Day, we are excited to kick off the meeting with the AMP Award for Excellence in Molecular Diagnostics Presentation and Lecture. This year's honoree is Dr. Huda Zoghbi, a true pioneer in the genetics of neurological disorders and we surely look forward to hearing about her journey "Breaking Down Pathogenesis of Neurodegenerative Diseases". Throughout the meeting, we will also hear experts discussing clinical-grade knowledgebases, methylation profiling in solid tumors, genetic classification and risk stratification of myeloid neoplasia, innovative approaches for infectious disease vaccination, epigenetic clocks, aging and cancer, and standards and guidelines for the interpretation of somatic variants in addition to numerous sessions that will be sure to spark our scientific interests and promote innovation. Furthermore, during the Business Meeting, we will hear about the State of the Organization and honor Drs. Vicky Pratt and Jordan Laser for their tireless leadership and service to AMP.

This meeting would not have been possible without the hard work and dedication of the 2023 Program Committee and the AMP staff. I would like to express my sincere gratitude to our 2023 Program Committee members: Jonathan Nowak (Chair-Elect), Jialing (Jenny) Ji and Honey Reddi (Genetics), Nathan Montgomery and Craig Soderquist (Hematopathology), Rangaraj Selvarangan and Heba Mostafa (Infectious Diseases), Mark Routbort and Julie Hirschhorn (Informatics), Lauren L. Ritterhouse and Deepika Sirohi (Solid Tumors), Barbara A. Anderson and Tracy McMillen (Technical Topics), for their tireless efforts in putting together this amazing program.

WELCOME

In addition, the annual meeting, as well as all the advocacy, education, practice guidelines, corporate sponsorship and many more programs and initiatives that make AMP so successful, would not be possible without the hard work of the AMP Staff (Elisabeth Campbell, Eriko Clements, Monika Franco, Jocelyn Friedrich, Amber Fussell, Sara Hamilton, Rhonda Jenkins, Danielle Jordan, Melissa Kauffman, Laurie Menser, Crystal Oliveto, Samantha Pettersen, Christal Ralph, Jacob Ruden, Annie Scrimenti, Ali Silver, Robyn Temple-Smolkin, Michele Zink) and Executive Director (Mary Steele Williams).



On behalf of the entire 2023 Program Committee team, I would like to welcome you to the 2023 AMP Annual Meeting. We are very excited to see you in Salt Lake City and are committed to ensuring a very enjoyable and educational meeting.

With warmest regards,

Yasmine Akkari, PhD
2023 Program Committee Chair

AMP2023

ANNUAL MEETING & EXPO

NOVEMBER 14-18, 2023 • SALT LAKE CITY, UT, USA

VISIT BOOTH 811



YOUR

ANALYSIS

MAY HAVE AN IMPACT ON **PATIENTS' FUTURES**

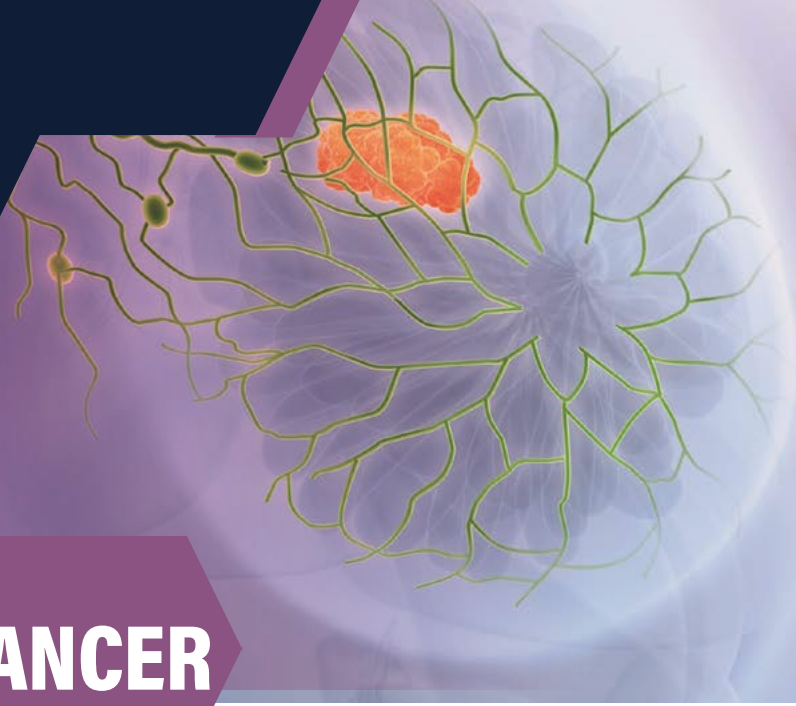
MERCK is committed to providing education on biomarker testing.

Learn how **BIOMARKER TESTING** may help inform treatment decisions.

GENERAL INFORMATION



An Online
Learning
Experience



BREAST CANCER MOLECULAR TESTING:

Catching Up to Increased Complexity

This four-part webinar series addresses molecular testing in breast cancer, covering areas such as multi-gene assays, therapeutic predictive testing, somatic next-generation sequencing, and germline testing. The series will provide pathologists with a comprehensive understanding of breast cancer molecular testing, from test selection to interpretation which will ultimately lead to optimal patient care in a rapidly evolving field. Two webinars are available on-demand now, and the remaining sessions will be broadcast in early 2024.

TARGET AUDIENCE

Pathologists (molecular and non-molecular), clinical laboratory directors, trainees and fellows, and other laboratory professionals (managers and technologists). Also, oncologists (including medical and clinical oncologists), breast surgeons, oncology nurses, and other members of the oncology care team.

- ▶ **An Overview of Multi-Gene Expression Assays in Breast Cancer**
(Available Now)
- ▶ **Predictive Tests for Therapeutic Options in Breast Cancer: Indications, Utility, and Interpretation**
(Available Now)
- ▶ **Application of Next-Generation Sequencing in Somatic Tumor Testing in Breast Cancer**
(Coming February 2024!)
- ▶ **Challenges in Breast Cancer Susceptibility Genetic Testing**
(Coming March 2024!)

Learn more or watch on-demand at: amp.org/breastcancer

AMP EVENTS

ASSUMPTION OF RISK & CODE OF CONDUCT

ASSUMPTION OF RISK

By registering for and attending the Association for Molecular Pathology (AMP) 2023 Annual Meeting & Expo and its various sessions and activities (“Events”), you acknowledge that 1) your travel and participation involves the risk of exposure to communicable diseases and to your health and safety from other causes, and 2) your participation and attendance at the events is voluntary, with knowledge of the risks involved. In consideration for being permitted by AMP to participate in and attend the Events, you forever release from liability and waive all claims against AMP, its directors, officers, and employees, from and against any and all damages, liability, claims, and expenses arising from your participation in or presence at the Events, whether directly connected to the Events or not. This release includes, without limitation, any claims in connection with any exposure, infection, and/or spread of COVID-19 or other communicable diseases.

In addition, regarding communicable diseases, you agree that you will comply with the guidance of the U.S. Centers for Disease Control and Prevention (for COVID-19, see www.cdc.gov/coronavirus/2019-ncov/index.html) and any protocols or requirements imposed by AMP or the city or state where the Events are held.

CODE OF CONDUCT

The Association for Molecular Pathology (AMP) is committed to providing a friendly, comfortable, and welcoming environment for all, regardless of gender, sexual orientation, disability, race, ethnicity, religion, national origin, age, gender identity, or any other demographic group. We expect all attendees, media, speakers, AMP staff and volunteers, venue staff, vendors, contractors, guests, and exhibitors to comply with all applicable laws, regulations, and policies, and to take an active role in providing a safe and positive experience for everyone by conducting themselves in a professional and lawful manner.

Unacceptable behavior can take many forms, including words, signage, messages, posts on digital platforms, or actions. For example, intimidation, unwelcome sexual advances, or abusive or vulgar language. Such behavior from any participant in an AMP activity, attendees, users of online services, media, presenters, AMP staff and volunteers, venue staff, vendors, contractors, guests, and exhibitors, will not be tolerated.

Anyone asked to stop unacceptable behavior is expected to comply immediately. If a participant is found to have engaged in unacceptable behavior, the AMP

AMP EVENTS ASSUMPTION OF RISK & CODE OF CONDUCT

Executive Director will determine appropriate action to be taken, if any, which may include expulsion from the AMP activity, without refund, and/or contacting local law enforcement authorities. The Board of Directors may consider the matter for additional action.

While we cannot influence behavior outside of the official AMP event hours, we expect all participants at AMP events and meetings to abide by this Code of Conduct in all venues, including ancillary events and all social gatherings. All participants are responsible for their own conduct. Anyone who is the recipient of unacceptable behavior should feel free to speak up without any fear of retaliation.

- AMP holds its collegial community in high value. Do your part to give everyone you encounter an enjoyable experience, so they remember you and the event favorably.
- Exercise consideration and respect in your speech, written text, and actions.
- Abstain from all demeaning, discriminatory, or harassing behavior and language when communicating with others.
- Respect the fact that slides and posters (electronic or hard-copy) may include unpublished work so if a speaker or author requests that slides or posters not be photographed, recorded, shared, or copied, comply
- Do not record presentations without the express permission of the presenter(s) and AMP. Speakers' slides and materials and recorded sessions are often available after the event. If you obtain permission, place your recording device, e.g., phone, such that it does not interfere with another attendee.
- Registration is for individual access. Do not share your badge or platform login or broadcast the event unless authorized by AMP.
- Be mindful of your surroundings and of your fellow participants. Alert Security Personnel or call 911 if you notice a dangerous situation or someone in distress.
- Notify AMP Staff of any violation of this Code of Conduct that you experience or observe.

AMP EVENTS ASSUMPTION OF RISK & CODE OF CONDUCT**UNACCEPTABLE BEHAVIORS AT AMP EVENTS**

Unacceptable Behaviors at AMP Events Include:

- Intimidating, harassing, abusive, discriminatory, derogatory or demeaning speech, written text, or actions
- Harmful or prejudicial verbal or written comments, jokes, or visual images related to gender, sexual orientation, disability, race, ethnicity, religion, national origin, age, gender identity, or any other demographic group
- Use of provocative and/or sexual images, including in presentation slides, posts on digital platforms, and exhibit booths
- Intimidation in any form.
- Unwelcome or uninvited attention or contact, including following/stalking
- Real or implied threat of harm of any type, including physical, professional, or financial
- Retaining, by any means, slides, presentations, or posters when the presenter/author requests “no photography” or otherwise indicates this directive.
- Disruption of sessions or other events
- Failure to follow the directives of the session moderators or AMP Staff.

WHAT TO DO IF YOU OBSERVE OR EXPERIENCE BEHAVIOR THAT VIOLATES THIS CODE OF CONDUCT:

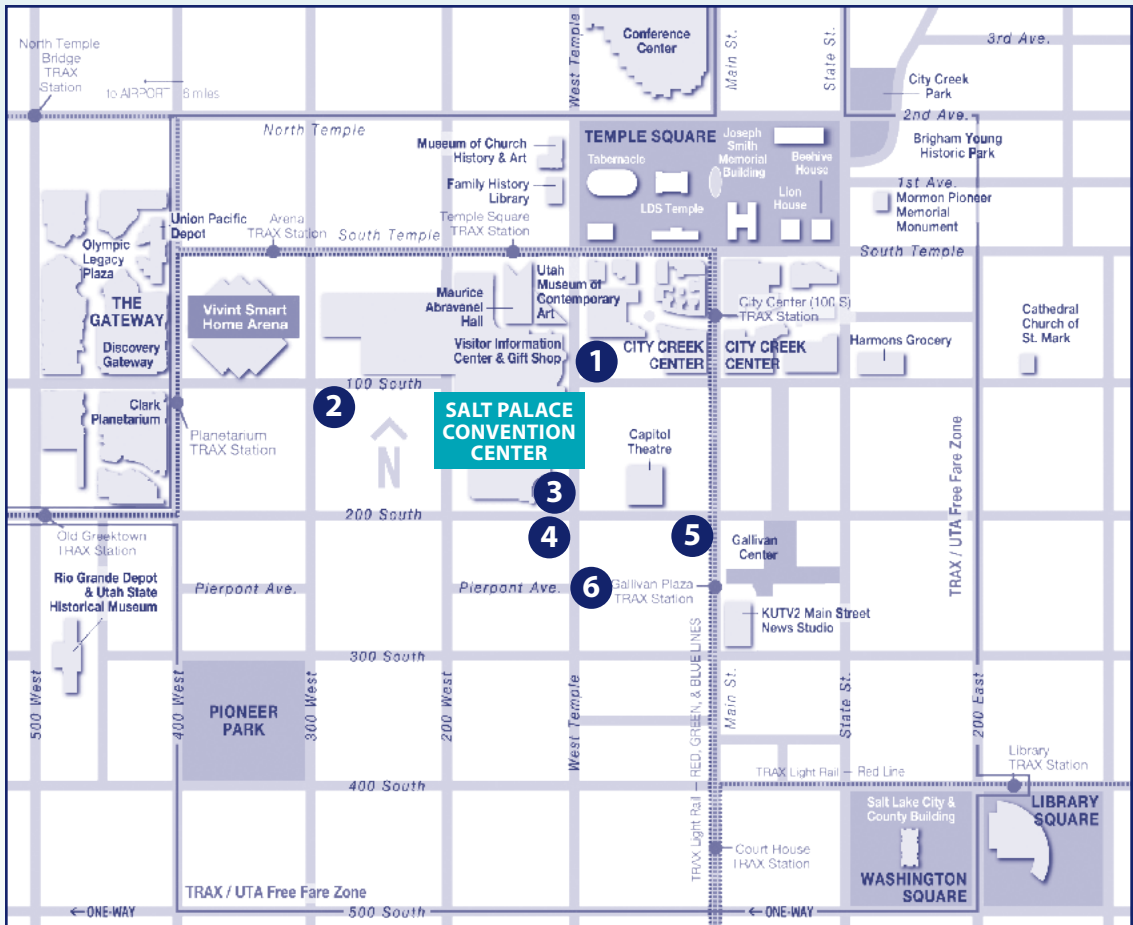
Please contact the nearest AMP or Security Staff. All reports will be kept confidential to the extent possible while allowing for effective investigation and response. If you believe the situation is an emergency, call 911.

AMP Staff will help participants contact relevant authorities, and otherwise assist those experiencing conduct that violates this Code of Conduct. We value your participation with AMP and want your experience to be professionally rewarding and personally enjoyable.

Please view the full policy here:

<https://www.amp.org/AMP/assets/AMPCodeofConductFINAL2023.pdf>.

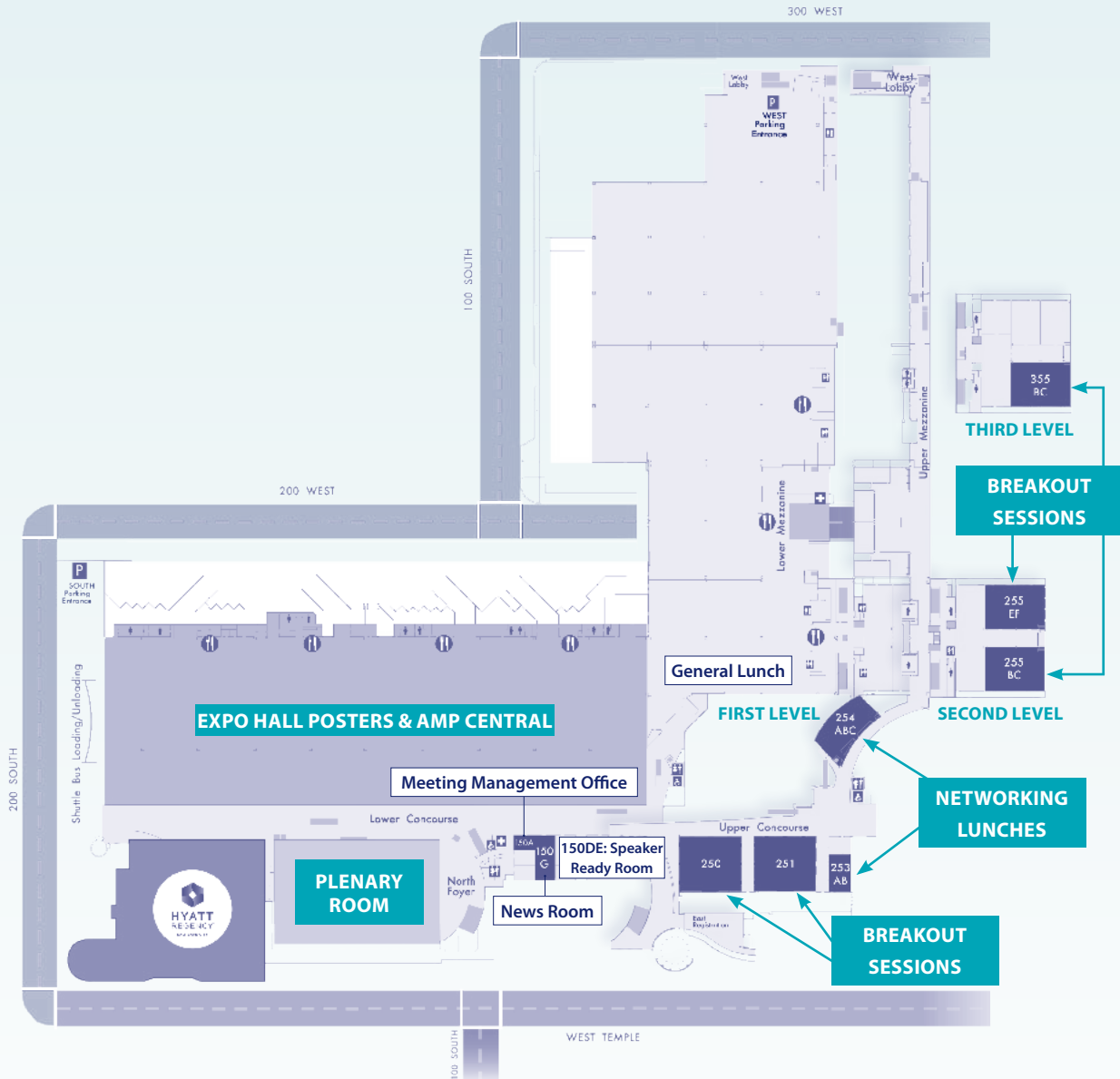
DOWNTOWN SALT LAKE MAP



- 1 Salt Lake Marriott Downtown at City Creek
- 2 Le Meridien Salt Lake City Downtown, Element Salt Lake City Downtown
- 3 Hyatt Regency Salt Lake City (HQ Hotel)
- 4 Holiday Inn Express Salt Lake City Downtown
- 5 Hotel Monaco
- 6 Hilton Salt Lake City Center

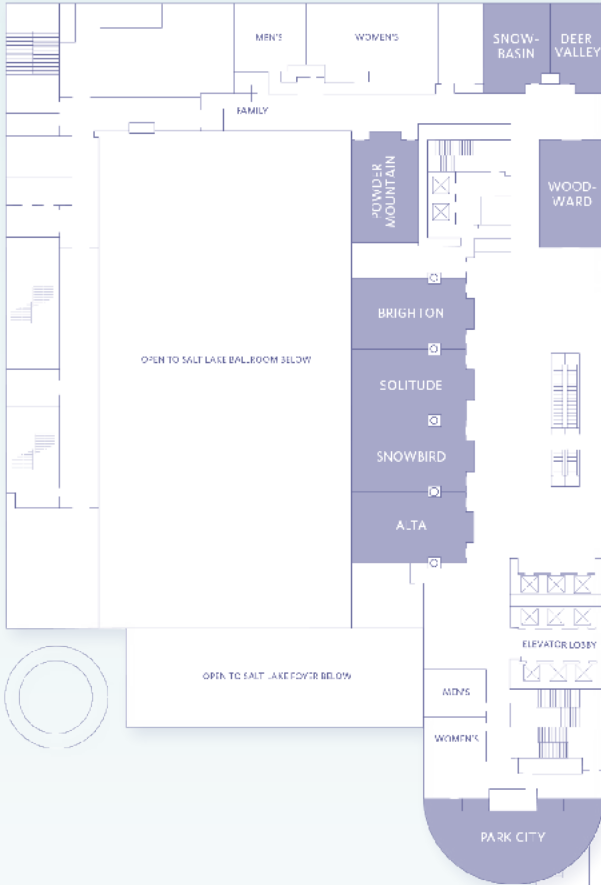
Find more information on local dining, hotels, shopping and other amenities online at: www.visitsaltlake.com/amp23.

SALT PALACE CONVENTION CENTER MAP

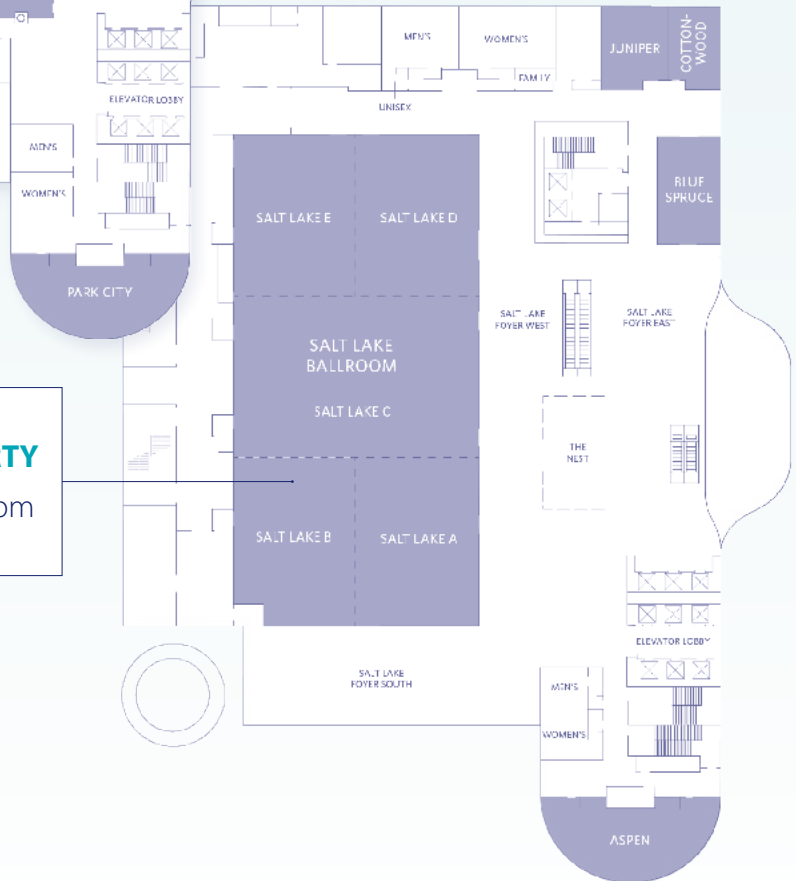


HYATT REGENCY (HQ HOTEL) MAP

THIRD LEVEL



SECOND LEVEL



AMP Social Event: AMAZING MOLECULAR PARTY

Friday, November 17th at 7:00pm
Salt Lake Ballroom

HIGHLIGHTS & GENERAL INFORMATION

ATTENDEE/EXHIBITOR REGISTRATION DESK HOURS

(Convention Center, Expo Hall Foyer, Lower Concourse)

Tuesday, November 14th	2:00pm – 6:00pm
Wednesday, November 15th	7:30am – 5:00pm
Thursday, November 16th	7:00am – 5:00pm
Friday, November 17th	7:30am – 5:00pm
Saturday, November 18th	7:30am – 2:00pm

EXPO HALL HOURS

(Convention Center, Expo Halls ABCD, Lower Concourse)

Thursday, November 16th	11:15am – 7:00pm (Welcome Reception in the Expo Hall, 6-7pm)
Friday, November 17th	9:00am – 4:00pm (Appointment only demos 4:00pm – 5:00pm*)
Saturday, November 18th	9:00am – 1:30pm (Appointment only demos 8:00am – 9:00am*)

**Appointment only demo times are specifically for exhibitors and their invited guests (Registered Attendees or Official Guests of Exhibitors) to conduct demos in a quieter atmosphere than during regular Expo Hall hours.*

HIGHLIGHTS & GENERAL INFORMATION

Mobile App

The AMP 2023 Mobile App is available for your Android, iPhone and other mobile devices. The AMP Mobile App is a robust tool allowing you to plan your meeting experience in advance and allows you to get instant updates onsite! AMP thanks **Biofidelity** and **Hamilton Company** for their generous support of the AMP Mobile App. Please go to <https://amp23.amp.org/program/mobile-app> for more information or just scan the QR code to download it now!



AMP MEETING PATHS

Want to create your own Path? AMP Meeting Paths are a convenient way to tailor your meeting experience around the content you most want to see. The 2023 Program Committee has carefully examined the scientific program and identified seven paths that will direct you to sessions based on your favored area of interest.

2023 Meeting Paths Key:

Advocacy

Lab Management

Oncology

Infectious Diseases

Informatics

Inherited Conditions

Molecular Methodologies
& Technologies

Career and Leadership Development

You can select “Browse by Path” in the Schedule Tab on the Mobile App to find sessions included on your preferred Path.

SPECIAL EVENTS/PROGRAM INFORMATION

Welcome Reception

Please join us for the Welcome Reception in the Expo Hall, immediately following the scientific Program on Thursday, November 16th from 6:00pm – 7:00pm. Help us kick-off another successful Annual Meeting & Expo while networking with your friends and colleagues. This event is open to all registered Meeting Attendees.

HIGHLIGHTS & GENERAL INFORMATION

Trainee Networking Happy Hour

Sponsored by the Jeffrey A. Kant Leadership Award Fund, this event is your chance to connect with other AMP trainees over great food and drinks at a local Salt Lake City bar. Head on over to Gracie's (326 S W Temple St, Salt Lake City, UT 84101) after the Welcome Reception—all trainees are welcome! If you are registered for the Annual Meeting as a trainee, you will receive a drink ticket for this event as part of your badge sheet at check-in.

AMP Central

Visit AMP's booth in the Expo Hall, centrally located at the center of the hall. AMP Central features unique programming including career networking opportunities and the chance to meet current committee members. AMP Central is the best place to learn about all that AMP does and find out how you can get involved! For details on AMP Central Events, see event listings throughout this program.

Membership Affairs Committee Networking Session: How to Get involved with AMP

Supported by Biotheranostics - A Division of Hologic

Do you want to be more involved with AMP? Curious about what the committees actually do and how to get into one? Representatives from AMP committees will give you the inside scoop on what they do, and what they look for in application candidates. Please join the Membership Affairs Committee for this exciting session on Friday November 17th from 3:00pm – 3:45pm in the General Lunch Area (entrance through the right side of the Expo Hall).

Innovation Spotlight Stages

This year's Innovation Spotlight Stages will continue to provide a unique opportunity for exhibiting companies to showcase products or services, but this year the Stages will also feature cutting-edge AMP produced content. The **TWO** Innovation Spotlight Stages are located in the main cross aisles on the left & right corners of the Expo Hall. Innovation Spotlight presentations are open to all Meeting Registrants and seating will be on a first come, first served basis.

Please see complete schedule and descriptions in the "Expo Hall" section of the Program Book, Page 67 or within the Mobile App.

HIGHLIGHTS & GENERAL INFORMATION

Business & Awards Session

AMP invites all Meeting Attendees to attend the AMP Business & Awards Session on Friday, November 17th at 5:30pm. Come hear how AMP is working hard to help you advance patient care. A number of awards, including the Young Investigator, Technologist and the Jeffrey A. Kant Leadership Awards are presented at this session.

AMP Social Event: AMAZING MOLECULAR PARTY

The AMP Social Event will take place on Friday, November 17th at 7:00pm at the Hyatt Regency Hotel in the Salt Lake Ballroom. The Social Event is intended to facilitate networking opportunities between trainees, new, and long-standing AMP attendees. There will be mingling, dinner, and dancing! Attendees who purchased tickets when registering for the meeting will receive their ticket when they check-in at the registration desk for their Program Materials.

AMP Europe 2024

AMP Europe 2024 will be in Madrid, Spain from June 24 – 26, 2024. The meeting will bring together a network of molecular professionals and representatives of the diagnostics industry to educate healthcare practitioners and to advance the value of molecular laboratories in providing high quality patient care around the world. This multi-disciplinary scientific program will showcase molecular diagnostics with clinical applications in oncology (solid tumors, hematopathology), genetics (congenital, heritable), infectious diseases and informatics. For more information and to register for the Congress, please visit here: <https://www.amp.org/events/amp-europe-2024/>.

GENERAL INFORMATION

AMP Membership

AMP is Global! With members from more than **63** countries (excluding the USA) and meeting attendees from around the world. Whether you are a medical professional, patient, or interested member of industry, molecular diagnostics is a central part of health care. As technologies evolve and new discoveries emerge, AMP remains the keystone of the molecular diagnostics community. Find out more about the benefits of AMP membership at www.amp.org/membership/join-renew.

HIGHLIGHTS & GENERAL INFORMATION

Attendee Badges

Name badges are required for admittance to all scientific sessions, expo hall, meals and other official meeting events. Badges contain a QR code that holds the attendee's contact information (including name, address, phone number and email). Exhibitors will scan badges to send information after the meeting.

Attire

Attire is business casual for the meeting sessions and receptions, and casual for the Social Event. Remember to dress in layers and wear comfortable walking shoes.

Business Center

There is not a Business Center at the Salt Palace Convention Center. We are listing a few options below; however, we recommend you look online to determine the best option for your needs.

- **FedEx:** 10 E Broadway, Salt Lake City, UT 84111
- **UPS:** 32 W 200 S, Salt Lake City, UT 84101

Childcare Services

There is not onsite Childcare Services offers for attendees/exhibitors. Please go to the Meeting Management Office (Room 150A) for information on local contacts.

Disclaimer: AMP is not responsible for the services provided by any recommended companies.

City Information—Salt Lake City

Salt Lake City is a place where elevation meets aspiration. A modern city with every urban amenity set minutes away from spectacular mountains. A place for open minds and fresh perspectives. Experience our unique blend of traditional and progressive. Our mind-blowing winter adventures both on the slopes and off. World-class arts and every kind of outdoor adventure. Incredible day trips and nightlife. When you're ready to find the kind of place that feels anything but ordinary, come plan your trip with us. In Salt Lake, you'll find yourself right where you belong. Visit www.visitsaltlake.com/amp23 to find more to do.

Consent to Use of Photographic Images/Contact Information

Registration for and attendance at the AMP 2023 Annual Meeting & Expo constitutes the registrant's agreement with the AMP's use and distribution (both now and in the future) of the registrant or attendee's image or voice in photographs, videotapes, electronic reproductions, audiotapes of such events and activities, and inclusion of their address in the registrant mail list (email addresses are not distributed).

HIGHLIGHTS & GENERAL INFORMATION

Continuing Education

The AMP 2023 Annual Meeting & Expo has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of American Society for Clinical Pathology (ASCP) and the Association for Molecular Pathology. ASCP is accredited by the ACCME to provide continuing medical education (CME) for physicians. Additionally, the American Society for Clinical Pathology (ASCP) will also provide continuing medical laboratory education (CMLE) for non-physicians. Refer to the "Continuing Education" section for more information.

Dining Options

Salt Lake City has a wide range of food options available for meeting attendees near the Convention Center. Find more information on local dining online at Restaurants in Salt Lake City: www.visitsaltlake.com/restaurants. *Please see below for meals included in attendee registration.*

Expo Hall

The AMP Expo Hall is a cornerstone of the AMP Annual Meeting, presenting attendees with the opportunity to learn about the latest technology, innovation, and patient care improvements. Please refer to the Expo Information section of the Program Book, Page 72 for a full listing of exhibiting companies at this year's Annual Meeting. Additionally, we are excited to highlight international companies and exhibitors who have earned supplier diversity certifications and have been selected for special designation in the exhibitor listing and information can be found on page 74.

First Aid & Medical Emergencies

For medical emergencies, please dial 385-468-2220 to be instantly connected to the Security Department. If the injury is life threatening, call 911 **immediately**. *The Convention Center address is 100 S West Temple.* Call the Security Division after the 911 call to ensure they coordinate with the first responders to minimize response time. Automated External Defibrillator (AED) units are located throughout the Convention Center. The AEDs are available for use and are marked "Automatic Defibrillator". There are always EMTs on-site during the day and there are multiple medical centers in close proximity from the property.

HIGHLIGHTS & GENERAL INFORMATION

Guest of Presenter Badges

If a registered attendee would like a family member or friend to see their invited talk or poster presentation, the registered attendee may request a session guest badge at the AMP Registration Desk. The session guest badge must be returned to the Registration Desk after the session requested. Guests should be accompanied at all times and are not permitted at breaks/meals.

Guest of Exhibitor Badges

Each exhibiting company receives non-personalized guest badges for use during the event. Exhibitors are responsible for coordinating, issuing, and providing badges to their guests. All guests of exhibitors must be accompanied by a registered member of the exhibit staff and are permitted access to the Expo Hall, only. Badges must be worn at all times.

Internet

Complimentary Wireless Internet is available in all of the lobby/public spaces of the Convention Center. Attendees who wish to purchase wireless service may do so for \$15 per day/per computer available in all public spaces, meeting rooms, and ballrooms (Not available in the Expo Hall).

Lost & Found

The Lost & Found is located at the AMP Registration Desk. Please speak to an AMP Staff member regarding a lost item or to turn in a found item.

Coat & Bag Check Hours

A coat and bag check area will be made available for all attendees. Attendees utilizing this service do so at their own risk. AMP will not be responsible for any missing or stolen personal items from this area or for items that are not retrieved after the luggage check closes.

Location: Foyer, Lower Concourse

Wednesday, November 15th	7:30am – 5:30pm
Thursday, November 16th	6:45am – 7:30pm
Friday, November 17th	6:45am – 7:30pm
Saturday, November 18th	7:45am – 5:30pm

HIGHLIGHTS & GENERAL INFORMATION

Meals (Coffee Breaks & Lunch)

Lunches are provided for registered meeting attendees only and are included in the price of meeting registration. Exhibitors are encouraged to grab lunch onsite or at one of the local venues just outside the convention center.

Lunch Times*

Thursday, November 16th	11:45am – 1:15pm
Friday, November 17th	11:45am – 1:15pm
Saturday, November 18th	11:45am – 1:15pm

**Please go to the end of the “Highlights & General Information” section for full descriptions of lunch options.*

Coffee Breaks are also offered throughout the event. Please check the Program Schedule for times and location.

News Room

The News Room is available for all qualified print, online, and broadcast news media outlets. Visit amp23.amp.org/media/media-information for more information or contact Andy Noble (anoble@amp.org) or 415-722-2129. Location and hours of operation for the News Room are as follows:

AMP News Room: Convention Center, Room 150G, Lower Concourse

Thursday, November 16th	8:00am – 4:30pm
Friday, November 17th	8:00am – 4:30pm
Saturday, November 18th	8:00am – 12:00pm

HIGHLIGHTS & GENERAL INFORMATION

Nursing Mothers

Nursing Pods are available for Annual Meeting attendees and located near the Guest Services office (First Level), across from Room 254 (Upper Concourse), and in the North Foyer by the Ballroom (First Level). Should you need any assistance, please contact a Guest Services Representative. There is a refrigerator in each pod.

Parking

Parking is available to all downtown visitors on a first-come, first-served basis. The Salt Palace Convention Center parking is subject to availability. For garage locations, visit www.visitsaltlake.com/salt-palace-convention-center/attend/parking-information.

Photography/Recording

Please be respectful of your colleagues. Do not record presentations without the speaker's permission. Do not take photographs of posters without authorization/permission of the author. Meeting attendees may be asked to leave if this causes disruption to a session.

Poster Tube Storage

Bins for poster tubes will be available throughout the poster sections. Poster Tube Storage will NOT be staffed and is not secured. If you would like to leave your poster tube, please clearly mark it with your name and place it in one of the bins. AMP is not responsible for any lost, stolen or damaged posters or poster tubes.

Ribbon Bar

Back by popular demand! Stop by the RIBBON BAR located in the Registration Area to pick-up applicable ribbon(s) for your meeting badge, *i.e.*, Committee, Speaker, Awardee, Trainee, First Time Attendee and others.

Session Recordings & Speaker Presentation Slides

Attendees who purchased the "ON DEMAND ADD-ON" will have access to all the recorded sessions and speaker presentation slides, so that you can review presentations or get content from the sessions you may have missed. Recordings will be available in January 2024 for 3 years! Information about accessing the information will be sent directly to those attendees once it is available.

If you missed the opportunity to take advantage of our special pricing for attendees and are interested in access to recordings/slides from the Annual Meeting, please stop by the Registration Desk and ask AMP Staff about how to add this to your registration. The option to purchase the "ON DEMAND ADD-ON" for \$99 is available EXCLUSIVELY to meeting registrants.

HIGHLIGHTS & GENERAL INFORMATION

Speaker Ready Room

If you are speaking at a scientific session and did not upload your presentation in advance of the meeting, you will need to visit the speaker ready room before your session to provide a copy of your presentation. The speaker-ready room is located at the **Convention Center, Room 150DE, Lower Concourse**. All presentations will be collected in the speaker ready room, and your presentation will be preloaded onto the computer in your session room. Please visit the speaker ready room at least one hour prior to the start of your session. Technicians will be available to receive your presentation during the hours listed below. Presentations will not be loaded directly onto the computers in the session room, so it is essential that you stop by the speaker-ready room. You will be able to review and/or make changes to your presentation before providing it to the technicians.

Speaker Ready Room Hours

Wednesday, November 15th	12:00pm – 5:00pm
Thursday, November 16th	6:30am – 5:00pm
Friday, November 17th	6:30am – 5:00pm
Saturday, November 18th	6:30am – 4:00pm

LUNCH INFORMATION

General Lunches are open to all AMP 2023 Annual Meeting & Expo registered attendees. The General Lunches will be held in the Expo Hall (Convention Center, Halls ABCD, Lower Concourse) and can be accessed in the designated entrance on the right side of the Expo Hall.

Networking Lunches are open to all AMP 2023 Annual Meeting & Expo registered attendees.* They do not require payment or pre-registration. Simply show up at the appropriate networking lunch as noted below. Please note that seating is limited and available on a first come, first served basis. Networking lunches close when room capacity is filled. Please have your badge scanned as you enter the networking luncheons. This helps AMP measure outcomes and facilitate future planning.

*Some lunches are for specific groups of members, only—see descriptions on page 23.

HIGHLIGHTS & GENERAL INFORMATION

Thursday, November 16th**New to AMP? First Time at the Annual Meeting? New Member and |First Timers Lunch**

Hosted by the Membership Affairs Committee and the Diversity, Equity, & Inclusion Working Group.

Time: 11:45am – 1:15pm

Location: 254ABC, Upper Concourse

Description: First Time at the AMP Annual Meeting or a new member of AMP? Join us for a delicious catered lunch. Network with other first time attendees and meet members of the Membership Affairs Committee and the Diversity, Equity, & Inclusion Working Group. Kick off a great experience at this year's AMP meeting.

Friday, November 17th**Trainee Networking Luncheon**

Hosted by the Training & Education Committee

Time: 11:45am – 1:15pm

Location: 254ABC, Upper Concourse

Description: Trainees, come join us to learn about how to take part in research and assay development that moves the molecular field forward. Join your peers and network with other members of AMP over lunch while learning about getting involved in the innovative aspects of molecular pathology while in training.

Technologies Networking Luncheon

Hosted by the Training & Education Committee

Time: 11:45am – 1:15pm

Location: 253AB, Upper Concourse

Description: The luncheon will be a social opportunity to share working and learning experiences.

Saturday, November 18th**International Members' Lunch**

Hosted by International Affairs Committee

Time: 11:45am – 1:15pm

Location: 254ABC, Upper Concourse

Description: This luncheon is an opportunity for meeting attendees who reside and work outside of North America to gather, network, and discuss topics of mutual concern and interest. This year's topic is the Evolution of Molecular Pathology in the Era of AI.

ABSTRACT & POSTER/EPOSTER INFORMATION

Abstract Information

Abstracts will only be published on the online version of *The Journal of Molecular Diagnostics (JMD)* and will not be available in the printed journal. This was done to give trainees more time to submit their abstracts for the AMP Annual Meeting & Expo. The PDF will be available to download or print the *JMD*. Use the QR code to access the abstracts or go to: [https://www.jmdjournal.org/issue/S1525-1578\(23\)X0003-8](https://www.jmdjournal.org/issue/S1525-1578(23)X0003-8).



ePoster Information

In addition to authors presenting a printed Poster at the Annual Meeting & Expo, we are excited to provide the opportunity for attendees to browse ePosters directly within the Mobile App! You'll also be able to browse and search for titles of the abstracts for all ePosters/Posters. More information available on the AMP 2023 website: <https://amp23.amp.org/program/mobile-app>.

General Poster, Award Applicant, and Author/Presenter Information

As always, the Posters are a very popular attraction at the AMP Annual Meeting & Expo. Please read below for important information, regarding general information, poster presentations, and award applicant guidelines.

- All posters are on display in the Convention Center, Expo Hall, Lower Level for the duration of the event.
- Poster set-up is Thursday, November 16, 6:30am – 8:00am. All posters must remain on display through 1:00pm, Saturday, November 18.
- Posters are listed in sequence by category and number in the following format:

Poster Number

Abstract Title

First Author's Name

- Key to poster categories:

G = Genetics

I = Informatics

H = Hematopathology

O = Other

ID = Infectious Diseases

ST = Solid Tumors

TT = Technical Topics

ABSTRACT & POSTER/EPOSTER INFORMATION

- All Award Applicant posters display in Poster Number order in the areas of their subject category. They are identified as Award Applicant posters by a card mounted on the poster board.
- All Award Applicants must attend their posters on Thursday, November 16, 3:30pm – 5:00pm for interviews with members of the poster reviewing committees. Award applicants are required to stand at their poster until 5:15pm.
- All First/Presenting Authors, including Award Applicants, must attend their posters either Friday morning (even-numbered posters) or Saturday morning (odd-numbered posters):
 - Even-numbered posters must be attended on Friday, November 17, 9:15am – 10:15am
 - Odd-numbered posters must be attended on Saturday, November 18, 9:15am – 10:15am
 - Authors who have more than one even- or odd-numbered poster may either ask another author to attend their additional poster or attend it themselves during the other session. In the latter case, the author should place a note on the poster board alerting attendees that they will attend the poster in the alternate session.
- Poster removal is Saturday, November 18, 1:00pm – 1:30pm. Posters must remain in place until at least 1:00pm. Posters remaining past 1:30pm will be removed and discarded.
- Please note that poster-viewing is not eligible for Continuing Education credit.

AWARD RECIPIENT



AMP AWARD FOR EXCELLENCE

IN MOLECULAR DIAGNOSTICS 2023



Huda Y. Zoghbi, MD

Baylor College of Medicine, Houston, TX, USA

AWARD RECIPIENT



**JEFFREY A. KANT
LEADERSHIP AWARD 2023**

**FOR EXCEPTIONAL LEADERSHIP IN ADVANCING THE MISSION
AND GOALS OF THE ASSOCIATION FOR MOLECULAR PATHOLOGY**



Victoria (Vicky) M. Pratt, PhD, FACMG

Agena Bioscience, Wolcottville, IN, USA

AWARD RECIPIENT



AMP MERITORIOUS SERVICE AWARD 2023



Jordan Laser, MD

Bio-Techne, Austin, TX, USA



AWARD RECIPIENTS

TRAVEL AWARDS 2023

**AMP TECHNOLOGIST
TRAVEL AWARDS**

Ayah Abdulhamid
Children's Mercy Hospital,
Kansas City, MO, USA

LaTara Brown
St. Jude Children's
Research Hospital,
Olive Branch, MS, USA

Ashley Degner
Inova Health System,
Arlington, VA, USA

Lauren Frady
Q2 Solutions,
Chapel Hill, NC, USA

Fatemeh Khanmohammadi
Brigham and Women's Hospital,
Boston, MA, USA

Lia Mongado
Brigham and Women's Hospital,
Boston, MA, USA

Srikrishna Narava
Frederick National Laboratory
for Cancer Research,
Frederick, MD, USA

Stephanie Walker
Barnes Jewish Hospital,
Washington University in St. Louis,
Saint Louis, MO, USA

Alyssa Williams
Massachusetts General Hospital,
Boston, MA, USA

**INTERNATIONAL TRAINEE
TRAVEL AWARDS**

Aanchal Chopra, DDS
Medical University of Lublin,
Lublin, Poland

Lamia Sabry Aboelnasr, MBChB
Menoufia University,
Menoufia, Egypt

Pooja Vaid
Ashoka University,
Sonapat, India

**US BASED TRAINEE
TRAVEL AWARDS**

Eirini Christodoulou, PhD
Center for Personalized Medicine,
Children's Hospital Los Angeles,
Los Angeles, CA, USA

Jayanta Mondal
University of Texas
MD Anderson Cancer Center,
Houston, TX, USA

Martine Tremblay, PhD
Icahn School of Medicine
at Mount Sinai,
New York, NY, USA

**UNDERREPRESENTED IN
MEDICINE TRAVEL AWARDS**

Ngoni Faya, PhD
Cincinnati Children's Hospital
Medical Centre,
Cincinnati, OH, USA

Couger Jaramillo, MD
Brooke Army Medical Center,
San Antonio, TX, USA

Aloysius Lawong, MD, PhD
University of Texas
Southwestern Medical Center,
Dallas, TX, USA



AMP EUROPE 2024

Madrid, Spain

June 24-26, 2024

Meliá Avenida América

www.amp.org/events/amp-europe-2024/



SAVE THE DATE



AMP
ASSOCIATION
FOR MOLECULAR
PATHOLOGY

CONTINUING EDUCATION

CONTINUING EDUCATION

30TH ANNIVERSARY

AMP2024
ANNUAL MEETING & EXPO

NOVEMBER 19-23, 2024
VANCOUVER
BRITISH COLUMBIA, CANADA



CONTINUING EDUCATION INFORMATION

DISCLOSURE OF CONFLICT OF INTEREST

Disclosure information is provided to learners and contains all financial relationships that each individual in a position to control the content disclosed to ASCP. All of these relationships were treated as a conflict of interest, and have been mitigated. (C7 SCS 6.1 – 6.2, 6.5) *All individuals in a position to control the content of CE are listed on the AMP 2023 Annual Meeting & Expo CE webpage. If their name is not listed, they disclosed that they had no financial relationships with a commercial interest.*

Access disclosures here: www.amp.org/amp2023/assets/2023_CME_Speaker_Disclosures.pdf

CREDIT DESIGNATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint providership of ASCP and the Association for Molecular Pathology. ASCP is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement—The ASCP designates this live activity for a maximum of **18.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CMLE

This continuing medical laboratory education activity is recognized by the American Society for Clinical Pathology as meeting the criteria for up to **18.25 CMLE credits**. ASCP CMLE credits are acceptable to meet the continuing education requirement for the ASCP Board of Registry Certification Maintenance Program.

PLEASE NOTE: Most of the AMP Annual Meeting & Expo scientific sessions are eligible for CME or CMLE. Sessions that are not eligible for Continuing Medical Education (CME) credit or Continuing Medical Laboratory Education (CMLE) credit are designated as **“NOT CME”** in the meeting program.

Additionally, the following events/session are not eligible for CME/CMLE:

- Social Events and meals listed in the meeting program
- Visiting exhibits because of standards of the ACCME that are designated to prevent commercial bias
- Viewing posters in the Exhibit Hall because the posters are in line of sight of commercial exhibits

CONTINUING EDUCATION INFORMATION

Keep track of your session attendance using this downloadable Credit Tracker: www.amp.org/amp2023/assets/2023_CE_tracker.pdf. Transfer this information when claiming CME or CMLE on the online portal.

HOW TO CLAIM CME, CMLE, AND CERTIFICATE OF ATTENDANCE

Most of the AMP Annual Meeting & Expo scientific sessions are eligible for CME or CMLE. These instructions will also be sent via email.

To claim CME:

After November 18, 2023, use this link to claim CME:

<https://bit.ly/AMP2023CE>, or this QR code

Click on “Start Claiming CME” button. Log in using your myAMP account information.

Complete Step 1: AMP 2023 Annual Meeting & Expo Survey

At the completion of the survey, return to the course to complete Step 2 and follow the instructions on the page.



To claim CMLE:

After November 18, 2023, use this link to claim CMLE:

<https://bit.ly/AMP2023CMLE>, or this QR code

Click on “Start Claiming CMLE button. Log in using your myAMP account information.

Complete Step 1: AMP 2023 Annual Meeting & Expo Survey

At the completion of the survey, return to the course to complete Step 2 and follow the instructions on the page.

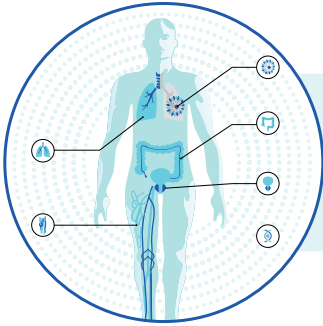


If you are unsure of how many Continuing Education hours to claim, we have provided a digital CE calculator on Step 3.

IMPORTANT: THE DEADLINE TO CLAIM CME, CMLE, OR CERTIFICATE OF ATTENDANCE IS THURSDAY, FEBRUARY 15, 2024 (11:59PM EASTERN TIME)

Please contact AMP via email (AMPEducation@amp.org) if you have any questions regarding Continuing Education.

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MEETING-AT-A-GLANCE CHART

	Thursday, 11/16/23	Friday, 11/17/23	Saturday, 11/18/23
MORNING	7:00 – 7:30	Independent Satellite Symposium	
	7:30 – 8:00		
	8:00 – 8:15	Break	Break
	8:15 – 8:30		
	8:30 – 8:45	Opening Remarks	
	8:45 – 9:00		Plenary Session
	9:00 – 9:15	Award for Excellence Lecture	
	9:15 – 9:30		Visit the Exhibits, AMP Central & Posters (Even-numbered Posters)
	9:30 – 10:00		Visit the Exhibits, AMP Central & Posters (Odd-numbered Posters)
	10:00 – 10:15	Break	
10:15 – 10:30			
10:30 – 11:00	Breakout Sessions	Breakout Sessions	Breakout Sessions
11:00 – 11:30			
11:30 – 11:45			
11:45 – 12:00			
12:00 – 12:30	Lunch	Lunch	Lunch
12:30 – 1:00			
1:00 – 1:15			
1:15 – 1:30			Working Group & Platform Presentations
1:30 – 2:00	Plenary Session		
2:00 – 2:15		Breakout Sessions	
2:15 – 2:30	Break		Break
2:30 – 2:45			
2:45 – 3:00	Working Group & Platform Presentations		
3:00 – 3:15		Visit the Exhibits, AMP Central & Posters	Breakout Sessions
3:15 – 3:30			
3:30 – 3:45			
3:45 – 4:00	Visit the Exhibits, AMP Central & Posters (Award Judging & General Viewing)		
4:00 – 4:15		Plenary Session	Break
4:15 – 4:30			Plenary Session
4:30 – 5:00			
5:00 – 5:15	Plenary Session	Break	Closing Remarks
5:15 – 5:30		Business Meeting & Award Session	
5:30 – 6:00			
6:00 – 6:30	Welcome Reception		
6:30 – 7:00			
7:00 – 7:30			
7:30 – 10:30		Amazing Molecular Party Social Event	

MEETING-AT-A-GLANCE LISTING

TUESDAY, NOVEMBER 14

9:30am – 4:30pm References Materials (RM) Forum *Hyatt Regency (HQ Hotel),
Salt Lake Ballroom
(Section AB)*

2:00pm – 6:00pm Attendee, Speaker, and Exhibitor
Registration and Check-In *Expo Hall, Lower
Concourse, First Level*

WEDNESDAY, NOVEMBER 15

7:30am – 5:00pm Attendee, Speaker, and Exhibitor
Registration and Check-In *Expo Hall, Lower
Concourse, First Level*

7:30am – 5:30pm Coat & Bag Check *Expo Hall, Lower
Concourse, First Level*

7:30am – 11:30am Board of Directors Meetings
(Invitation Only) *Hyatt Regency (HQ Hotel),
Park City*

8:00am – 5:00pm Corporate Workshops *Various Rooms*

8:00am – 11:30am GetAMPed! Morning Session
(Separate Registration) *Salt Lake Ballroom,
Level 2, Room DE*

12:30pm – 4:00pm GetAMPed! Afternoon Session
(Separate Registration) *Salt Lake Ballroom,
Level 2, Room DE*

2:00pm – 5:30pm Committee Meet & Greets
(Invitation Only) *Hyatt Regency (HQ Hotel),
Various Rooms*

2:00pm – 4:00pm JMD Editorial Board Meeting
(Invitation Only) *Hyatt Regency (HQ Hotel),
Park City*

5:30pm – 6:30pm Volunteer Appreciation Reception
(Invitation Only) *Hyatt Regency (HQ Hotel),
Salt Lake Ballroom and
South Foyer*

**All events are at the Salt Palace Convention Center unless otherwise noted.*

MEETING-AT-A-GLANCE LISTING

THURSDAY, NOVEMBER 16

6:30am – 8:00am **Poster Set-Up** *Expo Hall, Lower Concourse, First Level*

7:00am – 5:00pm **Attendee, Speaker, and Exhibitor Registration and Check-In** *Expo Hall, Lower Concourse, First Level*

7:00am – 8:00am **Everyday Uses of Generative AI in Molecular Education (A Special EdCoP Event)** *253AB, Upper Concourse*

7:00am – 8:00am **Independent Satellite Symposium: Identifying Actionable Biomarkers in NSCLC: Real World Case Discussions on Applications of Testing in the Treatment Planning Process**
Hosted by Physicians' Education Resource®, LLC (PER) *254ABC, Upper Concourse*

8:00am – 8:30am **Break**

8:30am – 8:45am **Opening Remarks** *Ballroom, First Level*

Opening Remarks

Yasmine Akkari, PhD, Nationwide Children's Hospital, Portland, OR, USA

8:45am – 10:00am **AMP Award for Excellence in Molecular Diagnostics: Presentation and Lecture** *Ballroom, First Level*

CE Credit: 1.25

Path: Inherited Conditions

Breaking Down Pathogenesis of Neurodegenerative Diseases

Huda Y. Zoghbi, MD, Baylor College of Medicine, Houston, TX, USA

10:00am – 10:15am **Break**

MEETING-AT-A-GLANCE LISTING: THURSDAY, NOVEMBER 16

10:15am – 11:45am

Economic Challenges of Delivering Molecular Diagnostics to Patients focusing on PAMA, New Codes, and Prior Authorization
Sponsored by the Economic Affairs Committee

250, Upper Concourse

CE Credit: 1.50**Path:** Advocacy**Moderator:** Jay Patel, MD, ARUP Laboratories, Salt Lake City, UT, USA

Addressing Protecting Access to Medicare Act (PAMA) Its History, Challenges, and Current Legislative Status

Samuel K. Caughron, MD, MAWD Pathology, Kansas City, MO, USA

CPT Coding Developments for Molecular Pathology Procedures and Their Impacts on the Field at Large

Aaron D. Bossler, MD, PhD, University of Iowa, Iowa City, IO, USA

The Current Landscape of Prior Authorization Procedures and Its Challenges

Clarisa Blattner, CCS, CPC, XiFin, Inc., Lake Forest, CA, USA

10:15am – 11:45am

Genomic Subclassification of Acute Lymphoblastic Leukemia: Cutting Edge Approaches and Practical Considerations

355BC, Third Level

CE Credit: 1.5**Path:** Oncology, Molecular Methodologies & Technologies**Moderators:** Nathan Montgomery, MD, PhD, University of Washington, Seattle, WA, USA and Erica Vormittag-Nocita, MD, Northwestern University, Chicago, IL, USA

Genomic Subclassification of Acute Lymphoblastic Leukemia Using Whole Transcriptome Sequencing and Whole Genome Sequencing

Charles G. Mullighan, MD, St. Jude Children's Research Hospital, Memphis, TN, USA

Practical Approaches to Acute Lymphoblastic Leukemia Classification

Marian Harris, MD, PhD, Harvard Medical School, Boston, MA, USA

MEETING-AT-A-GLANCE LISTING: THURSDAY, NOVEMBER 16

10:15am – 11:45am**Intro to AI/ML for the Non-Computational Scientist—From Clusters to ChatBots**

255BC, Second Level

CE Credit: 1.5**Path:** Informatics**Moderators:** Julie W. Hirschorn, PhD, Geisinger Health Systems, Danville, PA, USA and Shrey Sukhadia, Dartmouth Hitchcock Medical Center, Lebanon, NH, USA**Introduction to AI and Tools of AI**

Jamal Benhamida, MD, Memorial Sloan Kettering Cancer Center, New York, NY, USA

Focus on Chatbots such as ChatGPT

Thomas Lee, MD, PhD, UCLA David Geffen School of Medicine, Los Angeles, CA, USA

10:15am – 11:45am**Polygenic Risk Scores—Implementation and Clinical Utility**

255EF, Second Level

CE Credit: 1.5**Path:** Inherited Conditions, Molecular Methodologies & Technologies**Moderators:** Honey Reddi, PhD, Medical College of Wisconsin, Milwaukee, WI, USA and Meng-Cheng Hsiao, PhD, Columbia University Medical Center, NY, USA**Clinical Implementation of Polygenic Risk Scores**

Aya Abu-El-Haija, MD, Boston Children's Hospital, Boston, MA, USA

Implementation of Polygenic Risk Scores—Laboratory Perspectives

Matthew Lebo, PhD, Lab for Molecular Medicine, Mass General Brigham Personalized Medicine, Cambridge, MA, USA

Status of the Use of Polygenic Scores for PGT

Patrick Turley, PhD, University of Southern California, Mansfield, MA, USA

10:15am – 11:45am**Sequencing For Infectious Diseases Diagnosis: Targeted and Agnostic**

251, Upper Concourse

CE Credit: NOT CME/CMLE**Path:** Infectious Diseases, Informatics, Molecular Methodologies & Technologies**Moderators:** Heba Mostafa, MD, PhD, Johns Hopkins Medicine, Baltimore, MD, USA and Krupa Jani, MS, Memorial Sloan Kettering Cancer Center, Jersey City, NJ, USA**NGS for Infectious Diseases Diagnostic Testing—Focusing on the Wet Lab**

Shangxin Yang, PhD, UCLA, Los Angeles, CA, USA

DNA Sequence Analysis Overview for Clinical Microbiology Applications

Ron M. Kagan, PhD, Quest Diagnostics, Rancho Santa Margarita, CA, USA

Clinical Metagenomic and Host Response Sequencing for Diagnosis of Infections

Charles Y. Chiu, MD, PhD, UCSF, San Francisco, CA, USA

MEETING-AT-A-GLANCE LISTING: THURSDAY, NOVEMBER 16

11:15am – 7:00pm	Expo Hall Open	<i>Expo Hall, Lower Concourse, First Level</i>
11:45am – 1:15pm	General Lunch—Visit Expo Hall and View Posters	<i>Expo Hall, Lower Concourse, First Level</i>
11:45am – 1:15pm	Networking Lunch—New Member and First Timers Lunch	<i>254ABC, Upper Concourse</i>
12:00pm – 12:30pm	Innovation Spotlights <i>See Page 70 for Full Schedule.</i>	<i>Expo Hall, Stage 1 & 2</i>
12:40pm – 1:10pm	Innovation Spotlights <i>See Page 70 for Full Schedule.</i>	<i>Expo Hall, Stage 1 & 2</i>
1:15pm – 2:15pm	Plenary Session: Clinical Grade Knowledge Bases for Genomic Actionability	<i>Grand Ballroom, Lower Concourse</i>

CE Credit: 1

Path: Informatics, Oncology, Inherited Conditions

Moderators: *Julie W. Hirschorn, PhD, Geisinger Health Systems, Danville, PA, USA and Mark Routbort, MD, PhD, University of Texas MD Anderson Cancer Center, Houston, TX, USA*

OncoKB: MSK's FDA-Recognized Clinical Grade Precision Oncology Knowledge Bases

Debyani Chakravarty, PhD, Memorial Sloan Kettering Cancer Center, New York, NY, USA

ClinGen: Curating the Clinical Genome at a Global Scale

Heidi L. Rehm, PhD, Massachusetts General Hospital and Broad Institute of MIT and Harvard, Boston, MA, USA

2:15pm – 2:30pm

Break

MEETING-AT-A-GLANCE LISTING: THURSDAY, NOVEMBER 16

2:30pm – 3:30pm

Recommendations for Next-Generation Sequencing Germline Variant Confirmation: A Joint Report of the Association for Molecular Pathology and National Society of Genetic Counselors

251, Upper Concourse

CE Credit: 1**Path:** Inherited Conditions, Molecular Methodologies & Technologies, Lab Management**Moderator:** Ann Moyer, MD, PhD, Mayo Clinic, Rochester, MN, USA

Recommendations for Next-Generation Sequencing Germline Variant Confirmation: A Joint Report of the Association for Molecular Pathology and National Society of Genetic Counselors

Kristy Crooks, PhD, University of Colorado, Aurora, CO, USA

Panel Discussion

Kristy Crooks, PhD, University of Colorado, Aurora, CO, USA; Avni Santani, PhD, LetsGetChecked, Philadelphia, PA, USA; and Ryan J. Schmidt, MD, PhD, Children's Hospital Los Angeles/ Keck School of Medicine of USC, Santa Monica, CA, USA

2:30pm – 3:30pm

AMP Working Group: Tumor Mutational Burden Assay Validation and Reporting

250, Upper Concourse

CE Credit: NOT CME/CMLE**Path:** Oncology, Molecular Methodologies & Technologies, Lab Management**Moderator:** Katherine Geiersbach, MD, Mayo Clinic, Rochester, MN, USA**Tumor Mutational Burden Assay Validation and Reporting**

Larissa V. Furtado, MD, St. Jude Children's Research Hospital, Memphis, TN, USA

Panel Discussion

Larissa V. Furtado, MD, St. Jude Children's Research Hospital, Memphis, TN, USA; Susan Hsiao, MD, PhD, Columbia University Medical Center, New York, NY, USA; Jonathan A. Nowak, MD, PhD, Brigham and Women's Hospital, Boston, MA, USA

MEETING-AT-A-GLANCE LISTING: THURSDAY, NOVEMBER 16

2:30pm – 3:30pm

Platform Presentations of Selected
Genetics Abstracts

255BC, Second Level

CE Credit: 1**Path:** Inherited Conditions

Moderators: Honey Reddi, PhD, Medical College of Wisconsin, Milwaukee, WI, USA and Hamed Rahi, Washington University in St. Louis, Saint Louis, MO, USA

G011—The Application of Transcriptome Sequencing to Hereditary Cancer Predisposition Variant Analysis: Case Series and Single Institution Experience

Mohammad K. Eldomery, MD, St Jude Children's Research Hospital, Memphis, TN, USA

G015—One-Year Experience of Comprehensive Genomic Testing and Reporting of Tumor and Germline Samples at Initial Presentation for All Pediatric Oncology Patients at St. Jude Children's Research Hospital

Lu Wang, MD, PhD, St Jude Children's Research Hospital, Memphis, TN, USA

G026—Targeted RNA Expression-Based Signaling Pathway Analysis of Epigenetic Subtypes of Triple Negative Breast Cancers Identifies Mutation-Independent Pathway Activation

Chanel Schroff, NYU Langone Medical Center, Dept. of Pathology, New York, NY, USA

G068—Clinical Utility of a Pan-cancer ctDNA Panel as a First-approach Test

Michael Campion, Mayo Clinic, Rochester, MN, USA

MEETING-AT-A-GLANCE LISTING: THURSDAY, NOVEMBER 16

2:30pm – 3:30pm

Platform Presentations of Selected
Hemepath Abstracts

255EF, Second Level

CE Credit: 1**Path:** Oncology, Molecular Methodologies & Technologies**Moderators:** Craig Soderquist, MD, Columbia University, New York, NY, USA, and Jeremiah Karrs, DO, Dartmouth Hitchcock Medical Center, White River Junction, VT, USA**H020—Whole Genome Sequencing Informed Patient Personalized Measurable Residual Disease Assays for Acute Myeloid Leukemia**

Niveditha Ravindra, MD, National Institutes of Health, Bethesda, MD, USA

H022—Chromoanagenesis: A Common Mechanism that Leads to Highly Complex Karyotype and Extensive Clonal Heterogeneity in Hematological Malignancies

Qing Wei, MD, PhD, University of Alabama at Birmingham, Birmingham, AL, USA

H050—Retrospective Analysis of Diagnostic Yield of Whole Exome Sequencing/Transcriptome Sequencing and Conventional Cytogenetics Methods in Monoclonal Gammopathies in the Mount Sinai Health System (MSHS)

Martine Tremblay, PhD, Icahn School of Medicine at Mount Sinai, Manhasset, NY, USA

H062—Comprehensive Molecular Profiling of B-Lymphoblastic Leukemia/Lymphoma by Whole Genome Sequencing

Andrew E. O Hughes, MD, PhD, Washington University School of Medicine, St. Louis, MO, USA

2:30pm – 3:30pm

Platform Presentations of Selected Infectious
Disease Abstracts

355BC, Third Level

CE Credit: 1**Path:** Infectious Diseases, Molecular Methodologies & Technologies**Moderators:** Rangaraj Selvarangan, PhD, Children's Mercy Hospitals & Clinics, Kansas City, MO, USA and Jeffrey SoRelle, MD, UT Southwestern, Dallas, TX, USA**ID002—Whole Genome Sequencing and Phylogenetic Analysis of 43 *Candida auris* Isolates**

Marie Smithgall, MD, Columbia University Irving Medical Center, New York, NY, FUSA

ID067—Validation of a Multiplex Fragment Analysis-Based COVID-19 Test (CoVarScan) against Whole Genome Sequencing (WGS) to Detect SARS-CoV-2 Omicron Subvariants.

Kenneth Zhu, University of Texas Southwestern Medical Center, Dallas, TX, USA

ID068—Enhancing Broad-Spectrum Infection Detection in Whole Blood through Deep-Learning Assisted Multiplex Digital PCR and High-Resolution Melt Analysis

Pei-Wei Lee, Johns Hopkins University, Baltimore, MD, USA

ID071—Detecting Periprosthetic Joint Infection by mWGS Using the Oxford Nanopore Technologies MinION

Lauren Wainman, PhD, Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA

MEETING-AT-A-GLANCE LISTING: THURSDAY, NOVEMBER 16

3:30pm – 5:00pm**Coffee Break—Visit Expo Hall and View Posters***Expo Hall, Lower
Concourse, First Level***Posters:** Award Applicant Posters Attended**AMP Central Activities:** Please see schedule on the Mobile App.**3:45pm – 4:15pm****Innovation Spotlights***See Page 70 for Full Schedule.**Expo Hall, Stage 1 & 2***4:25pm – 4:55pm****Innovation Spotlights***See Page 70 for Full Schedule.**Expo Hall, Stage 1 & 2***5:00pm – 6:00pm****Plenary Session: Methylation Profiling in
Solid Tumors: Clinical Application of Artificial
Intelligence in Molecular Oncology***Grand Ballroom,
Lower Concourse***CE Credit:** 1**Path:** Oncology**Moderators:** Lauren Ritterhouse, MD, PhD, Massachusetts General Hospital, Andover, MA, USA and Deepika Sirohi, MD, University of Utah and ARUP Laboratories, Salt Lake City, UT, USA**Methylation Based Classification of Human Tumors**

Andreas von Deimling, MD, Dept Neuropathology University Hospital Heidelberg, CCU Neuropathology, German Cancer Center DKFZ, Heidelberg, Baden-Wurttemberg, Germany

6:00pm – 7:00pm**Welcome Reception***Expo Hall, Lower
Concourse, First Level***7:00pm – 8:00pm****Trainee Happy Hour***Gracie's
(326 S W Temple St,
Salt Lake City, UT 84101)*

MEETING-AT-A-GLANCE LISTING

FRIDAY, NOVEMBER 17

7:30am – 5:00pm	Attendee, Speaker, and Exhibitor Registration and Check-In	<i>Expo Hall, Lower Concourse, First Level</i>
6:45am – 7:00pm	Coat & Bag Check	<i>Expo Hall, Lower Concourse, First Level</i>
7:00am – 8:00am	Case Studies in Genetics and Hematopathology	<i>250, Upper Concourse</i>

CE Credit: 1

Path: Oncology, Inherited Conditions, Molecular Methodologies & Technologies

Moderators: Honey Reddi, PhD, Medical College of Wisconsin, Milwaukee, WI, USA and Jennifer Bynum, MD, Northside Hospital, Atlanta, GA, USA

Molecular Evidence of Differentiation Syndrome Following Menin Inhibitor Treatment in a Patient with Relapsed Acute Myeloid Leukemia

Christopher Zarbock, MD, Washington University School of Medicine in St. Louis, St. Louis, MO, USA

Uncommon Cytogenetic Abnormalities in Myeloid Malignancies

Zeeshan Ahmed, MBBS, Aga Khan University Hospital, Karachi, Sindh, Pakistan

A Mysterious Sex Chromosome Puzzle Solved by Comprehensive Cytogenetic Evaluations.

Hamed Rahi, Washington University in St. Louis, Saint Louis, MO, USA

DNA Purity as Determinants of False Negative Genetic Testing Results

Joyce Nicola, West Virginia University Hospital, Morgantown, WV, USA

7:00am – 8:00am	Case Studies in Genetics	<i>251, Upper Concourse</i>
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CE Credit: 1

Path: Inherited Conditions, Molecular Methodologies & Technologies

Moderators: Jianling Ji, MD, Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA, USA, and Eli S. Williams, PhD, University of Virginia, Charlottesville, VA, USA

Male or Female? Integrated Molecular and Cytogenetic Testing Resolves Discordant Prenatal Results

Ting Wen, MD, PhD, University of Utah/ARUP Laboratories, Salt Lake City, UT, USA

Siblings With Familial Hemophagocytic Lymphohistiocytosis and Compound Heterozygous PRF1 Variants

Chinwe C. Madubata, MD, Columbia University, New York, NY, USA

Rare Patient with an Interstitial 13q Deletion Derived From a Paternal Chromosome 13 Paracentric Inversion

Divya S. Vinjamur, PhD, Virginia Commonwealth University Health System, Richmond, VA, USA

Rapid Whole Exome Sequencing Detects Novel Homozygous Deletion in a Newborn with Refractory Seizures

Lauren Wainman, PhD, Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA

MEETING-AT-A-GLANCE LISTING: FRIDAY, NOVEMBER 17

7:00am – 8:00am

Case Studies in Hematopathology

255BC, Second Level

CE Credit: 1**Path:** Oncology, Molecular Methodologies & Technologies**Moderators:** Craig Soderquist, MD, Columbia University, NY, USA and Joanna L. Conant, MD, University of Vermont Medical Center, Burlington, VT, USA**Challenges in Diagnosing Germline Predisposition in Hematologic Malignancies-A Case with DDX41 Mutation**

Anjanaa Vijayanarayanan, MD, MD Anderson Cancer Center, Houston, TX, USA

RNA Sequencing Detects Novel Fusion Partner for PDGFRA Rearranged Myeloid/Lymphoid Neoplasm with Eosinophilia

Ravi Tej Bommu, MD, University of Minnesota, Minneapolis, MN, USA

Variant t(2; 11)/IGK::CCND1 Rearrangement Detected by Optical Genomic Mapping in a CD5 Negative Low-Grade B-Cell Lymphoma

Okechukwu Nwogbo, MD, University of Texas at MD Anderson Cancer Center, Pearland, TX, USA

Cytogenetic and Molecular Characterization of a Complex Three-Way Translocation in Acute Promyelocytic Leukemia

Katherine M. Morgan, MD, PhD, Perelman School of Medicine at the University of Pennsylvania, Milltown, NJ, USA

7:00am – 8:00am

Case Studies in Solid Tumors I

255EF, Second Level

CE Credit: 1**Path:** Oncology, Molecular Methodologies & Technologies**Moderators:** Lauren Ritterhouse, MD, PhD, Massachusetts General Hospital, Andover, MA, USA and Ying-Chun Lo, MD, PhD, Mayo Clinic, Rochester, MN, USA**CDKN2A Deletion in Oropharyngeal Squamous Cell Carcinoma: A Potential Pitfall of Relying on p16 Immunohistochemistry as a Surrogate Marker for HPV Involvement**

Trevor Teich, MD, University of Toronto, Toronto, Ontario, Canada

BRAF Internal Deletion in a Case of Pilocytic Astrocytoma

Darren Brow, MD, University of Chicago, Chicago, IL, USA

A Pediatric Ultra-Hypermutated Glioma Mimicking CMMRD in a Patient with Lynch Syndrome

Mary C. Bailey, MD, Baylor College of Medicine Department of Pathology & Immunology, Houston, TX, USA

Identification of a Spliced, Exonic Templated Sequence Insertion in a BRCA1-Deficient High-Grade Serous Carcinoma with a Therapy-Related BRCA1 Reversion Mutation—Evidence of RNA-Templated Double-Strand Break Repair?

Alexander J. Neil, MD, PhD, Harvard University Combined Fellowship Program, Boston, MA, USA

MEETING-AT-A-GLANCE LISTING: FRIDAY, NOVEMBER 17

7:00am – 8:00am**Case Studies in Solid Tumors II**

355BC, Third Level

CE Credit: 1**Path:** Oncology, Molecular Methodologies & Technologies**Moderators:** Deepika Sirohi, MD, University of Utah and ARUP Laboratories, Salt Lake City, UT, USA, and Anna Matynia, MD, University of Utah Department of Pathology / ARUP Laboratories, Salt Lake City, UT, USA**A Case of HPV-Associated Combined Adenocarcinoma and Neuroendocrine Carcinoma of the Cervix With a Targetable FGFR2::TACC2 Fusion**

Audrey Roy, MD, Memorial Sloan Kettering Cancer Center, New York, NY, USA

Unveiling Concurrent Lung Adenocarcinoma Through a Rare Germline Variant in a Patient with Invasive Breast Carcinoma

David Basta, MD, PhD, Brigham and Women's Hospital, Boston, MA, USA

An Even Greater Masquerader: Uveal Melanoma Identified with Molecular Profiling of Liver Metastasis

Ellie Hong, MD, University of Colorado, Aurora, CO, USA

Rare COL1A1-PDGFB Fusion in Uterine Tumor

Anamaria Munteanu, MD, PhD, University of California, Los Angeles, Los Angeles, CA, USA

8:00am – 8:15am**Break****8:15am – 9:15am****Plenary Session: Genetic Classification and Risk-Stratification of Myeloid Neoplasia**Grand Ballroom,
Lower Concourse**CE Credit:** 1**Path:** Oncology**Moderators:** Nathan Montgomery, MD, PhD, University of Washington, Seattle, WA, USA and Craig Soderquist, MD, Columbia University, New York, NY, USA**New Insights into Molecular Pathogenesis and Clonal Evolution in AML**

Ross Levine, MD, Memorial Sloan Kettering, New York, NY, USA

9:00am – 4:00pm**Expo Hall Open**Expo Hall, Lower
Concourse, First Level

MEETING-AT-A-GLANCE LISTING: FRIDAY, NOVEMBER 17

9:15am – 10:15am**Coffee Break—Visit Expo Hall and View Posters***Expo Hall, Lower
Concourse, First Level***Posters:** Even-Numbered Posters Attended**AMP Central Activities:** Please see schedule on the Mobile App.**9:30am – 10:00am****Innovation Spotlights***See Page 71 for Full Schedule.**Expo Hall, Stage 1 & 2***10:15am – 11:45am****Recommendations for Cell-Free DNA Assay:
A Joint Consensus Recommendation of the
Association for Molecular Pathology and College
of American Pathologists***251, Upper Concourse***CE Credit:** 1.5**Path:** Oncology, Informatics, Molecular Methodologies & Technologies**Moderators:** *Deepika Sirohi, MD, University of Utah and ARUP Laboratories, Salt Lake City, UT, USA and Susan Hsiao, MD, PhD, Columbia University Medical Center, New York, NY, USA***A Joint Consensus Recommendation of the Association for Molecular Pathology and College of American Pathologists***Christina Lockwood, PhD, University of Washington, Seattle, WA, USA***10:15am – 11:45am****Hand-on Workshop: Visualizing NGS Data and
Genomic Alterations***250, Upper Concourse***CE Credit:** 1.5**Path:** Informatics, Molecular Methodologies & Technologies**Moderator:** *Mark Routbort, MD, PhD, University of Texas MD Anderson Cancer Center, Houston, TX, USA*

MEETING-AT-A-GLANCE LISTING: FRIDAY, NOVEMBER 17

10:15am – 11:45am

Beyond the Exome: What's Next in Diagnostic Testing for Rare Genetic Disorders

255EF, Second Level

CE Credit: 1.5**Path:** Lab Management, Inherited Conditions, Molecular Methodologies & Technologies**Moderators:** Jianling Ji, MD, Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA, USA and Honey Reddi, PhD, Medical College of Wisconsin, Milwaukee, WI, USA**Streamlining Clinical Genetic Testing: The Promise of Long-Read Sequencing**

Danny Miller, MD, PhD, University of Washington, Seattle, WA, USA

Advancing Technologies and Methods can Redefine How and When to Capture Genetic Risk in Mendelian Disorders

Michael E. Talkowski, PhD, Center for Genomic Medicine of Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA

Novel Diagnostic DNA Methylation Episignatures Expand and Refine the Epigenetic Landscapes of Mendelian Disorders

Bekim Sadikovic, PhD, London Health Sciences Centre, Western University, London, ON, Canada

Panel Discussion

Danny Miller, MD, PhD, University of Washington, Seattle, WA, USA; Bekim Sadikovic, PhD, London Health Sciences Centre, Western University, London, ON, Canada; and Michael E. Talkowski, PhD, Center for Genomic Medicine of Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA

10:15am – 11:45am

Clonal But Not Malignant Disease Processes in Hematopathology: VEXAS, PNH, and Aplastic Anemia

255BC, Second Level

CE Credit: 1.5**Path:** Oncology**Moderators:** Nathan Montgomery, MD, PhD, University of Washington, Seattle, WA, USA and Richard Wong, MD, PhD, University of California, San Diego, CA, USA**Clonal But Not Malignant Disease Processes in Hematopathology: VEXAS, PNH, and Aplastic Anemia**

Neal Stuart Young, MD, NHLBI, Bethesda, MD, USA

Decoding Somatic Genetic Changes in Aplastic Anemia: Diagnostic and Prognostic Significance

Daria Babushok, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

MEETING-AT-A-GLANCE LISTING: FRIDAY, NOVEMBER 17

10:15am – 11:45am	Sequencing For Infectious Diseases Surveillance: What Could the Whole Genome Reveal?	<i>355BC, Third Level</i>
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CE Credit: 1.5

Path: Infectious Diseases, Informatics, Molecular Methodologies & Technologies

Moderators: *Heba Mostafa, MD, PhD, Johns Hopkins Medicine, Baltimore, MD, USA and Poluru Reddy, PPD Global Central Labs, IL, USA*

Wet Lab

Kyle Rodino, PhD, University of Pennsylvania, Philadelphia, PA, USA

Analysis

Will A. Overholt, PhD, ASRT Inc., Atlanta, GA, USA

Unraveling Epidemics: Scalable Approaches for Elucidating Infectious Disease Dynamics

Karthik Gangavarapu, PhD, University of California, Los Angeles; Scripps Research, Los Angeles, CA, USA

11:45am – 1:15pm	General Lunch—Visit Expo Hall and View Posters	<i>Expo Hall, Lower Concourse, First Level</i>
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11:45am – 1:15pm	Technologist Networking Luncheon	<i>253AB, Upper Concourse</i>
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11:45am – 1:15pm	Trainee Networking Luncheon—Leveraging Data for Research and Innovation in the Molecular Lab	<i>254ABC, Upper Concourse</i>
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12:00pm – 12:30pm	Innovation Spotlights <i>See Page 71 for Full Schedule.</i>	<i>Expo Hall, Stage 1 & 2</i>
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12:40pm – 1:10pm	Innovation Spotlights <i>See Page 71 for Full Schedule.</i>	<i>Expo Hall, Stage 1 & 2</i>
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MEETING-AT-A-GLANCE LISTING: FRIDAY, NOVEMBER 17

1:15pm – 2:45pm**Addressing the Molecular Laboratory Workforce Shortage: Training Crossover Technologists in Molecular Methods***255EF, Second Level***CE Credit:** 1.5**Path:** Lab Management, Molecular Methodologies & Technologies, Career and Leadership Development**Moderators:** *Tracy McMillen, MS, Memorial Sloan Kettering Cancer Center, New York, NY, USA and Mariam T. Matthew, PhD, Ohio State University, Columbus, OH, USA***Understanding the Current Challenges of the Technologist Workforce in Clinical Genomics Laboratories***Marco L. Leung, PhD, Nationwide Children's Hospital, Columbus, OH, USA***Creating Internal Training Programs and Incentives to Attract and Maintain Quality Employees***Barbara A. Anderson, PhD, Duke University Health Systems, Durham, NC, USA***1:15pm – 2:45pm****AMP Advocacy: Celebrating the Past and Looking Towards the Future***250, Upper Concourse**Hosted by the Professional Relations Committee***CE Credit:** NOT CME/CMLE**Path:** Advocacy**Moderator:** *Jennifer Leib, Innovation Policy Solutions LLC, Washington, DC, USA***AMP Advocacy: Celebration of AMP v. Myriad—Panel Discussion***Paul Diaz, Myriad Genetics, Salt Lake City, UT, USA; Roger Klein, MD, JD, Roger D. Klein, MD JD Consulting, Beachwood, OH, USA; Jan Nowak, MD, Roswell Park Cancer Institute, USA; Tania Simoncelli, Chan Zuckerberg Initiative, Redwood City, CA, USA; Mary Steele Williams, Association for Molecular Pathology, Rockville, MD, USA***AMP Advocacy: Current Professional Affairs Committee Activities***Eric Q. Konnick, MD, MS, University of Washington, Seattle, WA, USA; Karen Weck, MD, University of North Carolina School of Medicine, Chapel Hill, NC, USA***1:15pm – 2:45pm****Innovative Technologies in Infectious Disease Diagnosis: CRISPR***255BC, Second Level***CE Credit:** NOT CME/CMLE**Path:** Infectious Diseases, Molecular Methodologies & Technologies**Moderators:** *Rangaraj Selvarangan, PhD, Children's Mercy Hospitals & Clinics, Kansas City, MO, USA, and Pei-Wee Lee, Johns Hopkins University, Baltimore, MD, USA***CRISPR-based Diagnostics: Fundamental Kinetics and Electrokinetic Assays***Juan G. Santiago, PhD, Stanford University, Stanford, CA, USA***Innovative Technologies in Infectious Disease Diagnosis: CRISPR***Bryan Dechairo, PhD, Sherlock Biosciences, Boston, MA, USA*

MEETING-AT-A-GLANCE LISTING: FRIDAY, NOVEMBER 17

1:15pm – 2:45pm**Spatial Genomics in Solid Tumor and Hematologic Malignancies***251, Upper Concourse***CE Credit:** 1.5**Path:** Oncology, Molecular Methodologies & Technologies**Moderators:** *Nathan Montgomery, MD, PhD, University of Washington, Seattle, WA, USA and Insha Pun, MA, East Carolina, Greenville, NC, USA***Spatial Genomics in Solid Tumors***Andrew Gentles, PhD, Stanford Pathology, Medicine (Biomedical Informatics) and Biomedical Data Science, Stanford, CA, USA***The Spatially Resolved Tumor Microenvironment of Hodgkin Lymphoma***Christian Steidl, MD, The University of British Columbia, Vancouver, British Columbia, Canada***1:15pm – 2:45pm****Use of Genomics in Newborn Screening Programs: The Opportunities and Challenges***355BC, Third Level***CE Credit:** 1.5**Path:** Advocacy, Inherited Conditions, Molecular Methodologies & Technologies**Moderators:** *Jianling Ji, MD, Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA, USA and Elan Hahn, MD, Mount Sinai Hospital and the University of Toronto, Thornhill, ON, Canada***Newborn Screening by Genomic Sequencing: Opportunities and Challenges***Wendy Chung, MD, PhD, Boston Children's Hospital/Harvard Medical School, Boston, MA, USA***Adding Genomic Sequencing and Genetic Risk Scores to the Early Check Newborn Screening Study***Katerina S. Kucera, PhD, RTI International, Research Triangle Park, NC, USA***Exploring Whole Genome Sequencing for Newborn Screening: Lessons from the BabySeq Project***Matthew Lebo, PhD, Lab for Molecular Medicine, Mass General Brigham Personalized Medicine, Cambridge, MA, USA***2:45pm – 3:45pm****Coffee Break—Visit Expo Hall and View Posters***Expo Hall, Lower Concourse, First Level***3:00pm – 3:30pm****Innovation Spotlights**
*See Page 71 for Full Schedule.**Expo Hall, Stage 1 & 2***3:00pm – 3:45pm****Membership Affairs Committee Networking Event***Expo Hall (General Lunch Area), First Level, Lower Concourse*

MEETING-AT-A-GLANCE LISTING: FRIDAY, NOVEMBER 17

3:45pm – 5:15pm**Plenary Session: Innovative Approaches for Infectious Disease Vaccination: mRNA, Universal, and Extended Half-Life Monoclonal Antibodies***Grand Ballroom,
Lower Concourse***CE Credit:** 1.5**Path:** Infectious Diseases**Moderators:** *Heba Mostafa, MD, PhD, Johns Hopkins Medicine, Baltimore, MD, USA and Rangaraj Selvarangan, PhD, Children's Mercy Hospitals & Clinics, Kansas City, MO, USA***Unlocking the Power of mRNA Vaccines***Kawsar R. Talaat, MD, Johns Hopkins Bloomberg School of Public Health, Takoma Park, MD, USA***Extended Half-life Monoclonal Antibodies for the Prevention of RSV Infection***Joseph Domachowske, MD, Upstate Medical University, Syracuse, NY, USA***Panel Discussion***Joseph Domachowske, MD, Upstate Medical University, Syracuse, NY, USA; Kawsar R. Talaat, MD, Johns Hopkins Bloomberg School of Public Health, Takoma Park, MD, USA***5:15pm – 5:30pm****Break****5:30pm – 6:30pm****Business Meeting & Awards Session***250, Upper Concourse***7:00pm – 10:30pm****Amazing Molecular Party
(Separate Registration)***Hyatt Regency (HQ Hotel),
Salt Lake Ballroom*

MEETING-AT-A-GLANCE LISTING

SATURDAY, NOVEMBER 18

7:30am – 2:00pm **Attendee, Speaker, and Exhibitor
Registration and Check-In** *Expo Hall, Lower
Concourse, First Level*

7:45am – 5:30pm **Coat & Bag Check** *Expo Hall, Lower
Concourse, First Level*

8:15am – 9:15am **Plenary Session: Epigenetic Clocks, Aging,
and Cancer** *Grand Ballroom,
Lower Concourse*

CE Credit: 1

Path: Oncology, Inherited Conditions

DNA Hypomethylation Restrains Malignant Progression

Sarah Johnstone, MD, PhD, Dana-Farber Cancer Institute, Cambridge, MA, USA

9:00am – 1:30pm **Expo Hall Open** *Expo Hall, Lower
Concourse, First Level*

9:15am – 10:15am **Coffee Break—Visit Expo Hall and View Posters** *Expo Hall, Lower
Concourse, First Level*

Posters: Odd-Numbered Posters Attended

AMP Central Activities: Please see schedule on the Mobile App.

MEETING-AT-A-GLANCE LISTING: SATURDAY, NOVEMBER 18

10:15am – 11:45am **Exploring the Utility of Multiplex Infectious Disease Panel Testing for Diagnosis of Infection in Different Body Sites: A Joint Report of the AMP, American Society for Microbiology, Infectious Diseases Society of America, and Pan American Society for Clinical Virology** *255BC, Second Level*

CE Credit: 1.5

Path: Infectious Diseases, Molecular Methodologies & Technologies, Lab Management

Moderator: *Kirsten St. George, MAppSc., PhD, NY State Dept of Health Wadsworth Center, Albany, NY, USA*

Exploring the Utility of Multiplex Infectious Disease Panel Testing for Diagnosis of Infection in Different Body Sites: A Joint Report of the AMP, ASM, IDSA, and PASCV

Esther Babady, PhD, Memorial Sloan Kettering Cancer Center, New York, NY, USA

Panel Discussion

Esther Babady, PhD, Memorial Sloan Kettering Cancer Center, New York, NY, USA; Jennifer Dien Bard, PhD, Children's Hospital Los Angeles; University of Southern California, South Pasadena, CA, USA; Alexander L. Greninger, MD, PhD, University of Washington, Seattle, WA, USA

10:15am – 11:45am **Machine Learning Applications in Healthcare and Considerations for Building Effective Models** *251, Upper Concourse*

CE Credit: 1.5

Path: Informatics, Lab Management

Moderators: *Tracy McMillen, MS, Memorial Sloan Kettering Cancer Center, New York, NY, USA and Shaaban Sherin, MD, PhD, University of Utah, ARUP labs, Salt Lake, UT, USA*

AI/ML Pipeline to Identify Genetic Biomarkers and Predict Disease for Precision Medicine

Zeeshan Ahmed, PhD, Rutgers, The State University of New Jersey, East Brunswick, NJ, USA

Weakly-Supervised Tumor Purity Prediction from Frozen H&E Stained Slides

Iman Hajirasouliha, PhD, Well Cornell Medicine, New York, NY, USA

Approaches and Techniques to Consider when Building Machine Learning Models

Shalmali Joshi, PhD, Columbia University, New York, NY, USA

MEETING-AT-A-GLANCE LISTING: SATURDAY, NOVEMBER 18

10:15am – 11:45am

Rapid Molecular Diagnostics

250, Upper Concourse

CE Credit: 1.5**Path:** Molecular Methodologies & Technologies, Oncology

Moderators: Deepika Sirohi, MD, University of Utah and ARUP Laboratories, Salt Lake City, UT, USA, and Jianling Ji, MD, Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA, USA and Craig Soderquist, MD, Columbia University, New York, NY, USA

Rapid Ion Semi-Conductor Based Nucleic Acid Sequencing as an Enabler of Personalized Oncology

Kojo Elenitoba-Johnson, MD, Memorial Sloan Kettering Cancer Center, New York, NY, USA

Rapid Whole Genome Sequencing in Newborns & Children with Undiagnosed Diseases

Katarzyna A. Ellsworth, PhD, Rady Children's Institute for Genomic Medicine, San Diego, CA, USA

Rapid Molecular Diagnostics

Maria E. Arcila, MD, Memorial Sloan Kettering Cancer Center, New York, NY, USA

10:15am – 11:45am

Technologist Innovation Session

355BC, Third Level

CE Credit: NOT CME/CMLE**Path:** Molecular Methodologies & Technologies

Moderators: Barbara A. Anderson, PhD, Duke University Health Systems, Durham, NC, USA

G074—Using Genotyping-based Mendelian Error Analysis to Identify and Minimize the Risk of Sample Misidentification in Trio Exome Sequencing Service

Chandler C. Ho, MB, Stanford Health Care, Palo Alto, CA, USA

H043—Redesigning C-Terminal Primers for Accurate Sequencing of ABL1 Domain in BCR::ABL1 Positive Patients

Fatemeh Khanmohammadi, Brigham & Women's Hospital, Boston, MA, USA

TT048—Reducing Thermocycler Ramp Rate Improves Coverage of GC-rich Regions in the Illumina TruSight Oncology 500 Assay

Xing Wang, PhD, Weill Cornell Medicine, New York, NY, USA

TT049—Multiple Consecutive Quality Checkpoints Significantly Improve the Value of Biobanked Samples for Research

Inga Rose, BS, Reference Medicine, Phoenix, AZ, USA

MEETING-AT-A-GLANCE LISTING: SATURDAY, NOVEMBER 18

10:15am – 11:45am	What's in a Name? HGVS and Nomenclature for Genomics—Past & Future	<i>255EF, Second Level</i>
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CE Credit: NOT CME/CMLE

Path: Informatics

Moderators: *Mark Routbort, MD, PhD, University of Texas MD Anderson Cancer Center, Houston, TX, USA and Patricia V. Hernandez, MD, Washington University School of Medicine, St. Louis, MO, USA*

Aligning HGVS Nomenclature System with Laboratory and Healthcare Provider Needs—The CAP Perspective

Birgit Funke, PhD, Birgit Funke Consulting LLC, Newton, MA, USA

HGVS Nomenclature in 2023: Recent Updates, Modernization, and Community Engagement

Reece Hart, PhD, MyOme, Inc., San Francisco, CA, USA

11:45am – 1:15pm	Exhibitor Appreciation Lunch—Visit Expo Hall and View Posters	<i>Expo Hall, Lower Concourse, First Level</i>
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11:45am – 1:15pm	International Members' Luncheon	<i>254ABC, Upper Concourse</i>
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12:30pm – 1:30pm	Poster Removal	<i>Expo Hall, Lower Concourse, First Level</i>
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1:15pm – 2:15pm	AMP Working Group: Provider-Friendly Molecular Biomarker Reports	<i>251, Upper Concourse</i>
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CE Credit: 1

Path: Oncology, Lab Management

Moderator: *Susan Hsiao, MD, PhD, Columbia University Medical Center, New York, NY, USA*

Provider-Friendly Molecular Biomarker Reports

Jane Gibson, PhD, University of Central Florida College of Medicine, Orlando, FL, USA

Panel Discussion

Jane Gibson, PhD, University of Central Florida College of Medicine, Orlando, FL, USA; Noah Brown, University of Michigan, Ann Arbor, MI, USA; Joshua Coleman, MD, University of Utah, Salt Lake City, UT, USA; Jennifer Laudadio, MD, University of Arkansas for Medical Sciences, Little Rock, AR, USA; Christopher G. Suci, MD, Portland, OR, USA

MEETING-AT-A-GLANCE LISTING: SATURDAY, NOVEMBER 18

1:15pm – 2:15pm

AMP Working Group: Standardization of Pharmacogenomics Alleles

250, Upper Concourse

CE Credit: NOT CME/CMLE**Path:** Inherited Conditions, Molecular Methodologies & Technologies, Lab Management**Moderator:** Ann M. Moyer, MD, PhD, Mayo Clinic, Rochester, MN, USA**AMP Working Group: Standardization of Pharmacogenomics Alleles**

Karen Weck, MD, University of North Carolina School of Medicine, Chapel Hill, NC, USA

Panel Discussion

Karen Weck, MD, University of North Carolina School of Medicine, Chapel Hill, NC, USA; Lisa V. Kalman, PhD, Centers for Disease Control and Prevention, Atlanta, GA, USA; Stuart A. Scott, PhD, Stanford University, Stanford, CA, USA; Houda Hachad, PharmD, M Res., AccessDx Laboratory, Houston, TX, USA

1:15pm – 2:15pm

Platform Presentations of Selected Informatics Abstracts

255BC, Second Level

CE Credit: 1**Path:** Informatics**Moderators:** Julie W. Hirschorn, PhD, Geisinger Health Systems, Danville, PA, USA and Venkata Yellapantula, PhD, Childrens Hospital, Los Angeles, CA, USA**I002—Large-Scale Mining of More Than 65,000 Karyotypes in the Mitelman Database Identifies Unexpected Differences and Similarities Between Lymphoid, Myeloid, and Solid Tumors**

Lynne V. Abruzzo, MD, PhD, The Ohio State University, Columbus, OH, USA

I018—Tumor Mutational Burden (TMB) Scoring in Pediatric Tumors Using a Comprehensive Clinical Genomics Sequencing Approach

Lu Wang, MD, PhD, St Jude Children's Research Hospital, Memphis, TN, USA

I019—Deep Learning Applications Using H&E Images Improve Clinical Sequencing Workflows

Jacob Abel, MD, Providence Health and Services, Portland, OR, USA

I014—Normalization of Real-World Sequence Variant Data from Heterogeneous Sources

Anna Berry, MD, Syapse Inc, San Francisco, CA, USA

MEETING-AT-A-GLANCE LISTING: SATURDAY, NOVEMBER 18

1:15pm – 2:15pm

Platform Presentations of Selected
Solid Tumors Abstracts

255EF, Second Level

CE Credit: 1**Path:** Oncology, Molecular Methodologies & Technologies**Moderators:** Lauren Ritterhouse, MD, PhD, Massachusetts General Hospital, Andover, MA, USA and Marie Smithgall, MD, Columbia University Irving Medical Center, New York, NY, USA**ST005—More Accurate Measures of Disease Burden: A Strategy for Absolute Quantification of Plasma Biomarker Levels Reduces Interference From Wild Type DNA**

Margaret L. Gulley, MD, University of North Carolina School of Medicine, Chapel Hill, NC, USA

ST012—5 DNA Damage Response Gene Expression Profile Distinguishes Poor-Acting IDH-Mutant Gliomas With Shared Methylome Signatures

Nalin Leelatian, MD, PhD, University of North Carolina School of Medicine, Chapel Hill, NC, USA

ST030—Mutational Signature Analysis by SigMa Across Major Cancer Subtypes Reveals Previously Undescribed Associations

Theodore Vougiouklakis, MD, NYU Langone Health, New York, NY, USA

ST121—High Degree of NGS Concordance in a 9-Laboratory Study: Data From the Genomics Organization for Academic Laboratories

Peng Weng, MD, PhD, University of Chicago, Chicago, IL, USA

1:15pm – 2:15pm

Platform Presentations of Selected
Tech Topics Abstracts

355BC, Third Level

CE Credit: 1**Path:** Molecular Methodologies & Technologies, Lab Management, Oncology**Moderators:** Barbara A. Anderson, PhD, Duke University Health Systems, Durham, NC, USA and Martine Tremblay, PhD, Icahn School of Medicine at Mount Sinai, Manhasset, NY, USA**TT008—Assessment of Stability and Alternative Specimen Sources for the Clinical Validation of a Sample-To-Answer BCR::ABL p190 Assay in a Low-Prevalence Setting**

Patricia V. Hernandez, MD, Washington University School of Medicine, St. Louis, MO, USA

TT013—Variant Calling Behind Threshold Lines: Lowering Levels of Detection Through Precise Error Modeling

Nathaniel B.N. Edelman, PhD, Children's Hospital Colorado, Denver, CO, USA

TT053—Tissue Prior the Initial H&E Section As Alternative Source of DNA for Molecular Diagnostics

Daniel Xia, MD, University Health Network, Toronto, Ontario, Canada

TT058—Evaluation of Hi-C Sequencing as a Novel Diagnostic Technology for Detecting Genomic and Chromosomal Structural Variants in Constitutional Disorders

He Fang, PhD, University of Washington, Lynnwood, WA, USA

MEETING-AT-A-GLANCE LISTING: SATURDAY, NOVEMBER 18

2:15pm – 2:30pm**Break****2:30pm – 4:00pm****Cloud Versus Local Compute***255BC, Second Level***CE Credit:** 1.5**Path:** Informatics**Moderators:** *Julie W. Hirschorn, PhD, Geisinger Health Systems, Danville, PA, USA and Chuan Gao, PhD, Memorial Sloan Kettering Cancer Center, Fort Lee, NJ, USA***The Cloud Conundrum***Parth Shah, MD, Dartmouth, Etna, NH, USA***Regulatory and Cybersecurity Considerations for Serving NGS Applications Locally Versus from the Cloud***Alexis Carter, MD, Children's Healthcare of Atlanta, Atlanta, GA, USA***2:30pm – 4:00pm****From Crowdsourcing to Somatic ClinGen Variant Curation Expert Panels (SC-VCEPs): Navigating Variant Curation in Somatic Cancer Genomics***255EF, Second Level***CE Credit:** 1.5**Path:** Informatics, Oncology**Moderators:** *Mark Routbort, MD, PhD, University of Texas MD Anderson Cancer Center, Houston, TX, USA and Nan Jiang, PhD, Cedars Sinai, Los Angeles, CA, USA***An Introduction to the ClinGen Somatic Cancer Organization and Procedures***Malachi Griffith, PhD, Washington University School of Medicine, St. Louis, MO, USA***CIViC: An Open Community Platform For Variant Curation***Obi L. Griffith, PhD, Washington University School of Medicine, St Louis, MO, USA***Somatic Cancer Variant Curation Expert Panels (SC-VCEPs) and Their Pursuit of Oncogenicity Interpretations for SNVs and Fusions***Jason Saliba, PhD, Washington University School of Medicine, St. Louis, MO, USA*

MEETING-AT-A-GLANCE LISTING: SATURDAY, NOVEMBER 18

2:30pm – 4:00pm**Molecular Characterization and Classification of Aggressive B-Cell Lymphomas***355BC, Third Level***CE Credit:** 1.5**Path:** Oncology, Molecular Methodologies & Technologies**Moderators:** *Craig Soderquist, MD, Columbia University, New York, NY, USA, and Guang Yang, MD, PhD, University of Pennsylvania, Berwyn, PA, USA***Molecular Characterization and Classification of Aggressive B-Cell Lymphomas***Margaret Shipp, MD, Dana-Farber Cancer Institute, Boston, MA, USA***A Practical Approach to Molecular Testing in Aggressive B-Cell Lymphoma***Rena R. Xian, MD, Johns Hopkins University School of Medicine, Baltimore, MD, USA***2:30pm – 4:00pm****Tackling the MoIDx Technical Assessment: Techniques for Successfully Completing the Assessment and Integrating the Assessment Process into Your Laboratory Validation Procedure***250, Upper Concourse***CE Credit:** 1.5**Path:** Lab Management, Oncology, Infectious Diseases, Informatics, Inherited Conditions, Molecular Methodologies & Technologies, Career and Leadership Development**Moderators:** *Barbara A. Anderson, PhD, Duke University Health Systems, Durham, NC, USA and Pankaj Kumar Ahluwalia, MSc, PhD, Augusta University, Augusta, GA, USA***Tackling the MoIDx Technical Assessment: Techniques for Successfully Completing the Assessment and Integrating the Assessment Process into Your Laboratory Validation Procedure.***Ashley E. Shean, MS, Palmetto GBA, Virginia Beach, VA, USA***Tackling the MoIDx Technical Assessment: Techniques for Successfully Completing the Assessment and Integrating the Assessment Process into Your Laboratory Validation Procedure.***Sarah Rapisardo, PhD, Duke University Health System, Durham, NC, USA*

MEETING-AT-A-GLANCE LISTING: SATURDAY, NOVEMBER 18

2:30pm – 4:00pm**The Use of Genomic Biomarkers for Check-Point Inhibitor Response Assessment: A Discussion of Two Trials and Biomarkers**

251, Upper Concourse

CE Credit: 1.5**Path:** Oncology**Moderators:** Lauren Ritterhouse, MD, PhD, Massachusetts General Hospital, Andover, MA, USA and Jing Di, MD, PhD, University of Kentucky, Lexington, TX, USA**ImmunoMATCH Biomarker Selection and Possible Advantages of Multi-Analyte Assays**

Biswajit Das, PhD, Frederick National Laboratory for Cancer Research– Leidos Biomedical Research Inc, Frederick, MD, USA

A Review of NCI-MATCH ARM Z1D: Treatment of MMR Deficient Solid Tumors with Nivolumab

Paul “Mickey” Williams, PhD, NIH/NCI, Frederick, MD, USA

4:00pm – 4:15pm**Break****4:15pm – 5:15pm****Plenary Session: Standards and Guidelines for the Interpretation and Reporting of Sequence Variants in Cancer**

250, Upper Concourse

CE Credit: 1**Path:** Informatics, Oncology, Molecular Methodologies & Technologies**Moderators:** Tracy McMillen, MS, Memorial Sloan Kettering Cancer Center, NY, New York, USA and Barbara A. Anderson, PhD, Duke University Health Systems, Durham, NC, USA**Guidelines and Standards for Classification, Interpretation and Reporting of Somatic Sequence Variants in Cancer**

Peter Horak, MD, PhD, National Center for Tumor Diseases, Heidelberg, Baden-Wuerttemberg, Germany

Standardized Nomenclature in Reporting Sequence Variants in Cancer

Wesley Goar, PhD, Nationwide Children's Hospital, Westerville, OH, USA

5:15pm – 5:30pm**Closing Remarks****Closing Remarks**

Yasmine Akkari, PhD, Nationwide Children's Hospital, Portland, OR, USA and Jonathan A. Nowak, PhD, Brigham & Women's Hospital, Boston, MA, USA



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EXPO HALL GENERAL INFORMATION

EXPLORE THE EXPO HALL

The AMP Expo Hall is a cornerstone of the AMP Annual Meeting, presenting attendees with the opportunity to learn about the latest technology, innovation, and patient care improvements. When planning your time at the AMP 2023 Meeting & Expo, be sure to check out all that our expo hall has to offer! We also want to highlight international exhibitors 🌐 and suppliers with diversity certifications ♿ next to their name.

MEET THE AMP 2023 EXHIBITORS

Explore the AMP Expo Hall and meet nearly 200 exhibiting companies! Take a few moments to peruse the list of exhibitors found on page 72. You can also read about this year's exhibitors in the meeting program on page 74 or the Mobile App.

AMP 2023 WELCOME RECEPTION IN THE EXPO HALL

Join us for the Welcome Reception in the AMP Expo Hall on Thursday from 6:00pm – 7:00pm. This event is open to all AMP registrants and exhibitors.

PREVIEW THE ABSTRACTS & PLAN YOUR POSTER VIEWING

Check out the scientific posters which are sure to educate you on the latest and most innovative developments in the field! Refer to the Expo Hall Map on page 69 for poster locations. Don't forget you can also preview the ePosters within the Mobile App.

INNOVATION SPOTLIGHT STAGE

The Innovation Spotlight Stages 1 & 2, located centrally in the Expo Hall are a great opportunity to check out AMP exhibiting companies presenting leading edge products, services, or emerging innovation through “Ted-Talk like” presentations right on the show floor. In addition, attendees can catch AMP led presentations including “Meet the Authors”. Innovation Spotlights are open to all meeting registrants and seating will be on a first come, first served basis. Please see full schedule listing on Pages 70-71.

AMP CENTRAL

AMP's booth in the Expo Hall is the perfect place for AMP members looking to network and attendees who are interested in learning more about all of what AMP does throughout the year.

GENERAL INFORMATION

COFFEE BREAKS

Please join your colleague and recharge while connecting with exhibitors. There are four designated Coffee Stations throughout the Expo Hall. Please see the floorplan for locations.

GENERAL LUNCHES

Lunches will be served in the Expo Hall, giving you an opportunity to explore, learn about new products and continue building on relationships you have made earlier in the meeting. Please enter through the right side of the Expo Hall.

MEMBERSHIP AFFAIRS COMMITTEE NETWORKING SESSION: HOW TO GET INVOLVED WITH AMP

Supported by Biotheransotics - A Division of Hologic

Do you want to be more involved with AMP? Curious about what the committees actually do and how to get into one? Representatives from AMP committees will give you the inside scoop on what they do, and what they look for in application candidates. Please join the Membership Affairs Committee for this exciting session and snacks.

Friday November 17th

3:00pm – 3:45pm

General Lunch Area (Hall 1)

HEADSHOT STATION

Sponsored by Asuragen

Swing by the Asuragen booth #1311 to capture your best self with a **free** headshot. Available in the Expo Hall on Thursday and Friday, November 16th and 17th. Don't miss out on this chance to AMP up your professional profile—it's all happening at the Asuragen booth.

INNOVATION SPOTLIGHT SCHEDULE

THURSDAY, NOVEMBER 16

STAGE 1		STAGE 2
12:00pm – 12:30pm	<p>AMP Working Group: AMP/ASCO/CAP ISV Somatic Guideline Update <i>Hosted by: AMP's Clinical Practice Committee</i></p>	<p>Solving Challenges In Multiomic Testing Using The New Agilent Avida Dual-Target Enrichment Solution <i>Sponsored by: Agilent Technologies</i></p>
12:40pm – 1:10pm	<p>AMP Clinical Practice Committee Open Forum: Artificial Intelligence & Machine Learning—Impacts on Your Clinical Practice? <i>Hosted by: AMP's Clinical Practice Committee</i></p>	<p>The Revolution Sample Prep System for Liquid Biopsy—Overview and Performance Data <i>Sponsored by: nRichDX</i></p>
3:45pm – 4:15pm	<p>Analytical performance of TruSight™ Oncology 500 ctDNA v2: Improved sensitivity for small nucleotide variants with reduced DNA input requirements and reduced hands-on time <i>Sponsored by: Illumina</i></p>	<p>AMP Trainee and Early Career Series <i>Hosted by: AMP's Training and Education Committee</i></p>
4:25pm – 4:55pm	<p>Methods for AMR Testing in Wastewater That Don't Stink, Figuratively Speaking... <i>Sponsored by: Streck</i></p>	<p>CAP/IASLC/AMP Molecular Testing Guideline for the Selection of Lung Cancer Patients for Treatment with Targeted Tyrosine Kinase Inhibitors—2021 Update <i>Hosted by: AMP's Clinical Practice Committee</i></p>









INNOVATION SPOTLIGHT SCHEDULE

FRIDAY, NOVEMBER 17

	STAGE 1	STAGE 2
9:30am – 10:00am	<p>Co-Dx PCR Home: Transforming Infectious Diseases Diagnosis Worldwide <i>Sponsored by: Co-Diagnostics, Inc.</i></p>	<p>TCR and BCR Repertoire Analysis and Other Approaches for the Discovery of Drug Targets, Resistance Mechanisms and Biomarkers <i>Sponsored by: Collecta, Inc.</i></p>
12:00pm – 12:30pm	<p>Unlocking Easy, Fast, and Scalable Workflows for Optical Genome Mapping <i>Sponsored by: Bionano</i></p>	<p>AMP Working Group: Gene Fusions <i>Hosted by: AMP's Clinical Practice Committee</i></p>
12:40pm – 1:10pm	<p>AMP Working Group: Recommendations for Cell-Free DNA Assay Validations <i>Hosted by: AMP's Clinical Practice Committee</i></p>	<p>Achieving Economic Success as an NGS Lab: Strategy and Implementation <i>Sponsored by: Golden Helix</i></p>
3:00pm – 3:30pm	<p>From Scarcity to Sensitivity: Advancing DNA and RNA Library Prep for cfDNA Liquid Biopsy and FFPE Challenges <i>Sponsored by: Watchmaker Genomics</i></p>	<p>Single-Cell Copy Number Variation Confirmed, Artificial Intelligence-Driven Morphology-Based Enrichment of Malignant Cells from Body Fluid <i>Sponsored by: BioSkryb Genomics</i></p>

EXHIBITOR LISTING
















IN ALPHABETICAL ORDER

Abbott Molecular	1701	Burning Rock Dx	711
AbbVie*	1708	Caris Life Sciences	1734
Advanced Data Systems RCM	702	Celeemics, Inc. 	1534
Agena Bioscience*	1011	Collecta, Inc.	1809
Agilent Technologies*	1201	Cepheid*	1401
Anchor Molecular, Inc.	1421	ChromaCode	1700
APIS Assay Technologies 	731	CLOUD-CLONE CORP	1526
Applied BioCode, Inc.	411	Co-Diagnostics, Inc.	1501
Applied Spectral Imaging	1520	College of American Pathologists	719
Argonaut Manufacturing Services	701	College of American Pathologists Periodicals	604
Arima Genomics	1621	Complete Genomics	610
ARUP Laboratories	1329	Copan Diagnostics, Inc.	1519
AstraZeneca*	1037	Coriell Institute for Medical Research	704
Asuragen*	1311	Crelio Health, Inc.	1429
ATCC	1718	Deepcell 	1522
Autonomous Medical Devices Incorporated	1622	DiaCarta	606
Avantor	1027	DiaSorin Molecular	1335
Axxin 	1028	DNA Software, Inc.	1525
Azer Scientific	501	Element Biosciences	1629
Baebies	1624	ELITechGroup Molecular Diagnostics	1031
Bangs Laboratories	1431	EntroGen	924
bio molecular systems	527	EpigenDx, Inc.	1029
Biocare Medical	603	Eremid Genomic Services	1634
Biocartis	1711	Evik Diagnostics 	609
BioDot	611	Exact Sciences	1706
BioEcho Life Sciences, Inc.	621	FluxErgy	1403
Biofidelity	1537	Foundation Medicine, Inc.	706
Biological Dynamics	929	Gene by Gene	708
Biolyph	800	Genentech*	1411
bioMérieux	1620	GenePath Diagnostics, Inc.	1720
Bionano*	519	Genes2Me Private Limited 	1303
Bioneer, Inc.	1601	Genetic Tools, LLC	826
Biopathogenix	1613	Genomadix 	607
Bio-Rad Laboratories, Inc.*	1227	GenomeWeb	1334
BioSkrzyb Genomics	1719	Genomic Testing Cooperative	1826
BioTouch Global	507	GenomOncology	1336
BioView USA	703	Golden Helix	1500
Boca Biolistics	707	GoPath Diagnostics	1607
BostonGene	1301	Hamilton Company	513
Bristol Myers Squibb*	1128	Healthbit 	1730

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Hologic*	801	Orchard Software Corporation	1126
Illumina*	919	Oxford Nanopore Technologies Ltd. 	1531
Immunexpress	1030	Paragon Genomics, Inc.	827
Indigo BioAutomation	724	PCR Biosystems 	1712
InnoSIGN	1430	Phase Genomics	810
Inside Precision Medicine	1428	Pillar Biosciences, Inc.	619
INTEGRA Biosciences	1405	Precision for Medicine	1727
Integrated DNA Technologies, Inc.	1521	Precision System Science USA, Inc.	931
Intelliseq 	1704	Promega Corporaton	1407
Invivoscribe	819	Puritan Medical Products	710
iProcess Global Research, Inc.	930	QIAGEN	1833
Labcorp	1235	Quantabio	528
LabTurbo Biotech	1504	Quantumcyte, Inc.	729
LabWare, Inc.	1502	Randox Laboratories 	831
LaCAR MDx technologies 	1535	Reference Medicine	608
LGC Biosearch Technologies 	925	ResearchDx	1603
LGC Clinical Diagnostics	1024	Revvity	1400
Loxo@Lilly*	1025	Rheonix, Inc.	1510
LRE Medical 	1528	Rhinostics, Inc.	700
Lunaphore Technologies 	1926	Roche*	1000
Maine Molecular Quality Controls, Inc.	1036	SalivaDirect, Inc.	1924
Medical Laboratory Observer	1628	Sanofi	727
Merck*	811	Sapio Sciences	934
Meridian BioScience, Inc.	511	SCC Soft Computer	602
Merus	1035	Seagen	1827
MetaSystems Group, Inc.	709	Seegene	1630
Microzone 	526	Semaphore Solutions 	1722
MilliporeSigma	721	Sequoia Consulting Group 	806
Molecular Designs	503	Singular Genomics	818
Molecular Loop Biosciences	1034	SoftGenetics, LLC	1424
MRC Holland 	626	Sophia Genetics	1325
Natera, Inc.	509	Spectrum Solutions	1619
NeoGenomics Laboratories	723	SPT Labtech LTD 	1506
New England Biolabs	1922	STEMCELL Technologies, Inc. 	1908
Novartis*	713	Streck	600
nRichDX	822	Takara Bio USA	705
OGT	1423	Takeda	1134
Omega Bio-tek	525	Targeted Bioscience	1823
OncoKB	928	TE Connectivity—IVD Solutions	1435
OPTOLANE Technologies, Inc.	1434	Tecan 	830

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Tempus	808	Watchmaker Genomics	825
The Jackson Laboratory	1427	Xyall BV 	726
The Pathologist 	1807	Yorgene Health	425
Thermo Fisher Scientific*	1319	YouSeq Ltd 	601
Thomas Scientific	730	ZeptoMetrix Corporation	720
Vela Diagnostics	1728	Zifo Technologies, Inc.	1524
Velsera*	1419	Zymo Research Corp.	524
Washington University in St. Louis— Pathology Services	828		

EXHIBITOR DESCRIPTIONS

IN ALPHABETICAL ORDER

Abbott Molecular

Booth #: 1701

www.molecular.abbott/us/en/home

Abbott is a global leader in in vitro diagnostics with one of the broadest portfolios of businesses spanning nearly every segmentpoint of care, immunoassay, clinical chemistry, hematology, blood screening, molecular, and informatics. Abbott's life-changing tests and diagnostic tools provide accurate, timely information to better manage health.

AbbVie**CORPORATE PARTNER**

Booth #: 1708

www.abbvie.com

AbbVie's mission is to discover and develop innovative medicines that solve serious health issues today and address the medical challenges of tomorrow.

Advanced Data Systems RCM

Booth #: 702

www.adsc.com

MedicsPremier covers your laboratory as an in-house billing/financial/management platform or MedicsRCM as an outsourced billing/RCM/staffing service. See how you'll drive maximized revenue and productivity in ways that work best for you, including with our laboratory sales portal, at booth 702. We work with any LIS and are ready to put our +200 years of combined experience to work for you!

Agena Bioscience**CORPORATE PARTNER**

Booth #: 1011

<http://agenabio.com>

We Empower Precision Medicine. Agena Bioscience enables clinical laboratories worldwide to deliver affordable targeted genomic testing. Our easy to use mid-plex diagnostic platforms deliver fast, accurate and actionable results, to aid in clinical decision making and improve laboratory economics.

Agilent Technologies**CORPORATE PARTNER**

Booth #: 1201

www.agilent.com

Agilent is a leader in life sciences, diagnostics and applied chemical markets. The company provides laboratories worldwide with instruments, services, consumables, applications and expertise, enabling customers to gain the insights they seek. Agilent's expertise and trusted collaboration give them the highest confidence in our solutions.



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EXHIBITOR DESCRIPTIONS

Anchor Molecular, Inc.

Booth #: 1421

www.AnchorMolecular.com

Anchor Molecular is a life science diagnostics company specializing in the development of best-in-class quality controls and reference materials for liquid biopsy and molecular diagnostic assays. We focus on oncology, liquid biopsy, and virology. Our mission is to provide the highest quality products for genetic testing at costs that will enable accelerated adaptation of liquid biopsy testing worldwide.

APIS Assay Technologies 

Booth #: 731

www.apisassay.com

APIS is leveraging systems biology and multi-OMICs biodata for validation and translation of biomarkers into clinical utility. The APIS Breast Cancer Subtyping Kit is a reproducible RT-qPCR based IVD product (in certain territories) and RUO product for detecting breast cancer biomarkers. The ESR1 Mutations Kit is a qPCR assay for the sensitive detection of mutations within the oestrogen receptor gene.

Applied BioCode, Inc.

Booth #: 411

www.apbiocode.com

Applied BioCode focuses on research and development, manufacturing, and commercialization of assay testing kits and instruments for in vitro diagnostics, research, and other industrial applications. The company develops, manufactures, and commercializes multiplex diagnostic testing products. Applied BioCode, Inc. has combined "digital barcodes" with immunochemistry and molecular probes to create a new, bio-inspired Barcoded Magnetic Beads (BMB) technology.

Applied Spectral Imaging

Booth #: 1520

www.spectral-imaging.com

ASI is a global leader in biomedical imaging with a comprehensive product portfolio and a global distribution footprint. The company's technology, powered by GenASIs, enables Pathology, Cytogenetics and Research laboratories to provide advanced diagnostics to patients. ASI has a wide portfolio of dedicated solutions for Brightfield, Fluorescence and Spectral imaging and analysis.

Argonaut Manufacturing Services

Booth #: 701

www.argonautms.com

Argonaut Manufacturing Services, Inc. is a contract manufacturing organization (CMO) for innovative biopharmaceutical and molecular diagnostic companies. Argonaut provides scalable cGMP compliant manufacturing solutions including supply chain management services. Our enabling technologies team has developed proprietary lyophilization technologies and assay simplification tools that ensure Argonaut is the right choice for your CMO needs.

Arima Genomics

Booth #: 1621

www.arimagenomics.com

Arima Genomics, Inc. is advancing human health and life sciences by revealing actionable genomic insights. Researchers and clinicians use Arima's innovative products and services to gain unparalleled access to the three-dimensional organization of the genome. This advanced technology enables exploration of disease mechanisms, discovery of novel biomarkers and therapeutic targets, and identification of gene fusions to aid in patient management.

ARUP Laboratories

Booth #: 1329

www.aruplab.com

ARUP Laboratories is a national nonprofit and academic reference laboratory and leader in diagnostic research and assay development across all areas of molecular pathology. We apply new technologies and automation to deliver accurate results efficiently and to support our industry partners. Our community of medical experts continually evaluates and adopts clinically relevant, emerging trends to empower clinicians and support patients.

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EXHIBITOR DESCRIPTIONS

AstraZeneca**CORPORATE PARTNER**

Booth #: 1037

www.astrazeneca.com

AstraZeneca is a global, science-led biopharmaceutical company that focuses on the discovery, development and commercialization of prescription medicines, primarily for the treatment of diseases in three therapy areas—Oncology, Cardiovascular, Renal & Metabolism and Respiratory. The Company also is selectively active in the areas of autoimmunity, neuroscience and infection.

Asuragen**CORPORATE PARTNER**

Booth #: 1311

www.asuragen.com

Asuragen, a Bio-Techne brand, is a molecular diagnostic company changing the way patients are treated in genetics and oncology. The quality, simplicity and sensitivity of its products brings precision medicine within reach. Asuragen's diagnostic systems, composed of proprietary chemistry and software, deliver powerful answers using broadly installed instrument platforms.

ATCC

Booth #: 1718

<http://atcc.org>

Scientific progress depends on a strong foundation of credibility. As the leading global provider of credible biological products including biological standards and reference materials, ATCC is committed to supporting the AMP community with standards and solutions needed to make incredible achievements in oncology and infectious disease testing, molecular assay development and microbiome research.

Autonomous Medical Devices Incorporated

Booth #: 1622

www.amdilabs.com

Autonomous Medical Devices Incorporated (AMD) employs a world class team of engineers, scientists, clinicians, and manufacturing experts dedicated to the development and manufacture of point-of-care diagnostic devices using breakthrough microfluidics, protein engineering, and data/cloud connectivity. AMD will launch its first products from its ISO:13485 certified 110,000 square foot facility in Santa Ana, CA.

Avantor

Booth #: 1027

<http://www.avantorsciences.com>

Avantor® is a leading global provider of mission-critical products and services to customers in the biopharma, healthcare, education, government, and advanced technologies and applied materials industries. Our services include custom kitting, clinical trial equipment and ancillary supply solutions and biorepository and archiving.

Axxin 

Booth #: 1028

<http://axxin.com>

Axxin provides customized platforms and consumable products for diagnostic applications with world leading innovation, capability, time to market, regulatory compliance, and cost-effectiveness. The company has extensive experience in instrument & industrial design, sensor technologies, microfluidics, FDA and IVDR regulations, and has applied these to molecular and lateral flow diagnostic products. Stop by our booth to discuss projects and partnership benefits.

Azer Scientific

Booth #:501

www.azerscientific.com

Azer Scientific supports laboratories across the globe with the highest level of service and integrity in their advancement of science. An established leading healthcare supplier, Azer Scientific's current catalog covers a wide range of products for use in clinical, research, and industrial laboratories.

Baebies

Booth #: 1624

www.baebies.com

Baebies, Inc. is a growth-stage medical device company developing innovative products to enable early disease detection and multifunctional diagnostics for syndromic testing for children and adults. Guided by the vision that everyone deserves to be healthy, we aim to deliver 'Any test. Anywhere. To Everyone.' Baebies is a pioneer in digital microfluidics technology, which maximizes diagnostic yield from low-volume samples.

EXHIBITOR DESCRIPTIONS

Bangs Laboratories

Booth #: 1431

www.bangslabs.com

Manufacturer of magnetic, silica and polymer microparticles used as critical raw materials for clinical and molecular biology applications such as sample prep, nucleic acid isolation, sequencing and PCR.

Bio Molecular Systems

Booth #: 527

www.biomolecularsystems.com

Bio Molecular Systems is a biotechnology company that designs, manufactures, and distributes instrumentation for life sciences. Established in 2010 and comprising of former Corbett Life Sciences company personnel, BMS has the expertise in developing innovative, versatile and easy-to-use products. Our long standing position in the biotech manufacturing sector enables us to establish a reputation for continuous and rapid in-house innovation.

Biocare Medical

Booth #: 603

<http://biocare.net>

Biocare Medical is a global leader in solutions for cancer research and diagnostics, providing: world-class reagents, including tissue-conserving simultaneous Multiplex IHC antibody cocktails and detections; renowned Customer Care; and a comprehensive suite of advanced instrumentation for IHC, molecular, and histology testing. Customers include clinical anatomic pathology laboratories, pharmaceutical companies, CROs, and biotechnology companies, and other non-profit laboratories.

Biocartis

Booth #: 1711

www.biocartis.com/us

Biocartis aspires to enable personalized medicine for patients through universal access to molecular testing, by making molecular testing actionable, convenient, fast and suitable for any lab. Biocartis' Idylla™ Platform is a fully automated sample-to-result, real-time PCR based system designed to offer in-house access to accurate molecular information in a minimum amount of time for faster, informed treatment decisions in oncology.

BioDot

Booth #: 611

www.biodot.com

BioDot is a global leader in ultra-low volume liquid dispensing platforms for diagnostics. BioDot's CellWriter™ S robotic workstation fully automates slide preparation and slide processing for Karyotyping, FISH, and FFPE applications. Utilizing nanoliter dispensing technology, coupled with the patented FISHArray™ multiplex slide, the CWS produces high-quality, reproducible results at significantly lower costs per assay.

BioEcho Life Sciences, Inc.

Booth #: 621

www.bioecho.com/Sustainability

BioEcho creates disruptive technologies, products, and workflows that make downstream processing of nucleic acids easier and faster, significantly increase throughput, and deliver reliable results. Our patented EchoLUTION™ technology enables the fastest DNA and RNA extraction on the market—in just one single step. It reduces the associated plastic consumption by up to 70 %. BioEcho. The Nucleic Acid Experts.

Biofidelity

Booth #: 1537

<http://biofidelity.com>

Biofidelity is a revolutionary genomic technology company dedicated to removing the noise from genomic analysis to unleash its potential to transform human health. Our platform technology can be used on existing instrumentation in laboratories around the world, making genomic data far more accessible, far lower cost, and bringing the benefits of precision medicine to far more patients.

Biological Dynamics

Booth #: 929

<https://biologicaldynamics.com>

Biological Dynamics, Inc. is a leader in exosome-isolation technology committed to improving global health outcomes by identifying early-stage disease. Its ExoVerita™ platform offers an automated workflow to enrich for exosomes, powering advanced detection tests for many challenging diseases. Biological Dynamics' ExoVita™ assays utilize the ExoVerita platform to enable reliable surveillance and early cancer detection to help enhance and extend lives.

EXHIBITOR DESCRIPTIONS

Biolyph

Booth #: 800

www.BIOLYPH.com

Celebrating 30 Years of Excellence in providing Effective, Efficient, & Economical Lyophilization Services for IVD and Research assays, BIOLYPH transforms unstable products into room temperature stable LyoSpheres™, providing years of shelf life, superior ease of use, reduced errors, and lower manufacturing costs. Please visit our booth to discuss your needs and learn about BIOLYPH's Expert Formulation, Lyophilization, and Packaging Services.

bioMérieux

Booth #: 1620

www.biomerieux.com

A world leader in the field of in vitro diagnostics for more than 55 years, bioMérieux provides diagnostic solutions (systems, reagents, software) that determine the source of infectious diseases to improve patient health. Fast and actionable diagnostics are essential in fighting significant issues like antibiotic resistance and sepsis.

Bionano**CORPORATE PARTNER**

Booth #: 519

<http://bionano.com>

Bionano is a global life sciences company on a mission to transform the way the world sees the genome. Our solutions include optical genome mapping (OGM) systems for genome-wide analysis of structural variants; platform-agnostic software for visualization, interpretation, and reporting of genomic data with VIA™; and clinical diagnostic testing and genome analysis services through Bionano Laboratories.

Bioneer, Inc.

Booth #: 1601

www.bioneer.com

Bioneer Corporation is Korea's leading biotech company. We have developed state of art molecular biology products and technologies including oligonucleotides, thermostable polymerases, and instruments of gene manipulation. Bioneer Inc. (located in Alameda, CA) is devoted to providing state of art solutions to the global life science community in academia, biotech, clinical labs and pharmaceutical companies.

Biopathogenix

Booth #: 1613

www.biopathogenix.com

BioPathogenix specializes in the development and distribution of high-quality qPCR molecular assays. Our assays are designed to provide accurate and reliable results, making them ideal for a wide range of applications. BioPathogenix also offers the biobank of contrived specimens for infectious diseases, a Peer group of Split Sample Testing, and quality controls for molecular diagnostics (qPCR).

Bio-Rad Laboratories, Inc.**CORPORATE PARTNER**

Booth #: 1227

www.bio-rad.com

Bio-Rad is a global leader in developing, manufacturing, and marketing a broad range of products for the life science research and clinical diagnostic markets. With expertise in droplet digital PCR, real-time PCR, and designing molecular quality controls and standards, we are driving innovation and quality to advance the field of molecular diagnostics.

BioSkrby Genomics

Booth #: 1719

www.bioskrby.com

BioSkrby Genomics is transforming single-cell analysis by enabling the most complete multiomic view of the cellular ecosystem, from discovery to diagnostics. Through its single-cell whole genome and transcriptome amplification tools and custom services, scientists and clinicians gain an unprecedented view of the genome, exome, transcriptome, and proteome within a single cell to better understand mechanisms and management of complex diseases.

BioTouch Global

Booth #: 507

www.biotouchglobal.com

BioTouch™ is a single-source, national provider for all mission-critical kitting and logistics needs. We partner with a wide range of medical facilities and healthcare providers to bring a higher level of care to healthcare delivery. Simply put, we handle it all with more care so you don't have to.

EXHIBITOR DESCRIPTIONS

BioView USA

Booth #: 703

www.bioview.com

BioView develops, manufactures and markets innovative automated cell imaging and analysis solutions for use in cytology, cytogenetic, pathology, clinical and research laboratories. BioView scanning platforms and applications meet the need for high throughput, high capacity cell imaging systems, accommodating multiple sample preparation, handling and staining techniques, as well as cellular and genetic markers classification and characterization.

Boca Biolistics

Booth #: 707

www.BocaBio.com

We are a hybrid CRO leveraging our vertically integrated model to build a life sciences biorepository with industry leading clinical and molecular data sets.

BostonGene

Booth #: 1301

www.bostongene.com

BostonGene's mission is to power healthcare's transition to personalized medicine using AI-based molecular and immune profiling to improve the standard of care, accelerate research, and reduce overall cost of cancer care. BostonGene tests reveal key drivers of each tumor, including immune microenvironment properties, actionable mutations, biomarkers of response to diverse therapies, and recommended therapies.

Bristol Myers Squibb**CORPORATE PARTNER**

Booth #: 1128

www.BMS.com

Bristol Myers Squibb is a leading global biopharma company focused on discovering, developing and delivering innovative medicines for patients with serious diseases in areas including oncology, hematology, immunology, cardiovascular, fibrosis and neuroscience. Our employees work every day to transform patients' lives through science.

Burning Rock Dx

Booth #: 711

<http://us.brbiotech.com>

Burning Rock Dx (NASDAQ: BNR) is committed to providing NGS-based testing for cancer patients, biomarker detection and companion diagnostic development services to pharmaceutical partners, and multi-cancer early detection testing. We focus on providing tumor genomic data solutions, clinical trial solutions, integrated CDx development, and precision patient recruitment for pharmaceutical companies, thereby efficiently facilitating the entire process of anti-cancer drug development.

Caris Life Sciences

Booth #: 1734

www.carislifesciences.com

Caris Life Sciences® is a leading innovator in molecular science focused on fulfilling the promise of precision medicine through quality and innovation. The company's suite of market-leading molecular profiling offerings assess DNA, RNA and proteins to reveal a molecular blueprint that helps physicians and cancer patients make more precise and personalized treatment decisions.

Celemics, Inc. 

Booth #: 1534

www.celemics.com

Celemics is a Next Generation Sequencing full solution provider based on target enrichment technology. We confidently offer custom target enrichment panels and high-quality pre-set panels, covering fields such as Inherited Diseases, Oncology, Immunology, and Pathogen Diagnostics. With 12 years of experience, we will provide the best solution for your Targeted Sequencing.

Cellecta, Inc.

Booth #: 1809

www.cellecta.com

Cellecta is a trusted provider of functional genomic products and services, offering loss-of-function and gain-of-function CRISPR & RNAi screening, cell barcoding and immune receptor and targeted RNA-Seq expression profiling. We design and manufacture CRISPR and RNAi libraries, lentiviral constructs and offer cell engineering services and spatial transcriptomic services for drug target and biomarker discovery and other applications.

EXHIBITOR DESCRIPTIONS

Cepheid**CORPORATE PARTNER**

Booth #: 1401

www.cepheid.com

Cepheid is dedicated to improving healthcare by pioneering molecular diagnostics that combine speed, accuracy, and flexibility. The company's GeneXpert® solutions enable world-class PCR testing for institutions of any size. Cepheid's broad test portfolio delivers actionable diagnostic results across respiratory, virology, sexual health, oncology, human genetics, and infectious diseases.

ChromaCode

Booth #: 1700

www.chromacode.com

ChromaCode is redefining molecular testing in oncology and disease monitoring through patented multiplexing and data analytics innovations. Its HDPCR™ technology couples widely used robust chemistries with cloud-based software on existing dPCR instruments enabling < 24 hours turnaround at high margins. No hardware/software install nor informatics personnel needed. HDPCR™ is transforming genomics providing faster results for improved decision making and better outcomes.

CLOUD-CLONE CORP

Booth #: 1526

<http://CLOUD-CLONE.COM>

CLOUD-CLONE is a research and experimental development in molecular biology and immunology oriented company. Its main business includes assay reagent and service for animal experiment. Based on own animal resource, CCC provides thousands of animal models, primary cells of animals in healthy or disease status. Furthermore, CRO service for drug discovery including drug screening, pharmacokinetics, toxicology and pharmacology are provided

Co-Diagnostics, Inc.

Booth #: 1501

<http://co-dx.com>

Co-Dx believes that accurate, affordable, and accessible diagnosis is the first step towards effective treatment of infectious diseases, and in our mission to improve the quality of healthcare around the world. Co-Dx is revolutionizing how diseases are detected at-home and at the point-of-care thanks to its upcoming Co-Dx PCR Home™ platform, powered by our patented Co-Primers™ technology.

College of American Pathologists

Booth #: 719

www.cap.org

The world's largest organization of board-certified pathologists, the CAP focuses on serving patients, pathologists, and the public. Through our Laboratory Quality Solutions—proficiency testing, accreditation, and cancer protocols—the CAP partners with laboratories worldwide to elevate the quality of laboratory medicine with best-in-class solutions designed to drive operational excellence, achieve diagnostic confidence, and ensure the best patient care. Learn more at cap.org.

College of American Pathologists Periodicals

Booth #: 604

www.cap.org

The College of American Pathologists offers two monthly publications: CAP TODAY and the Archives of Pathology & Laboratory Medicine. CAP TODAY brings monthly business and medical news in the clinical laboratory. The Archives of Pathology & Laboratory Medicine is one of the best-read journals among pathologists and laboratory directors. Samples are available.

Complete Genomics

Booth #: 610

www.completegenomics.com

Complete Genomics is a pioneering life sciences company, found in 2005, offering a comprehensive portfolio including sample extraction, library preparation, lab automation, and sequencing platforms. Our mission is to drive genomics forward with complete sequencing solutions that improve lives and has published +4,000 publications across a wide array of applications.

Copan Diagnostics, Inc.

Booth #: 1519

www.copanusa.com

COPAN's collaborative approach to innovation in pre-analytics has resulted in the original FLOQSwabs™, ESwab™, FecalSwab™, eNAT™, MSwab™, UTM™ and full laboratory automation. COPAN's collection and preservation systems have proven to advance the quality of traditional and contemporary microbiology assays, particularly for molecular applications. Our automation includes specimen processing, smart incubation, digital imaging, and algorithms.

EXHIBITOR DESCRIPTIONS

Coriell Institute for Medical Research

Booth #: 704

www.coriell.org

Coriell Institute is a leading biorepository delivering a diverse range of unique biospecimens. The Institute is committed to the highest standard in cell line quality services, as well as unlocking the promise of induced pluripotent stem cells and their role in disease research and drug discovery.

Crelio Health, Inc.

Booth #: 1429

<http://creliohealth.com>

CrelioHealth provides cutting-edge software solutions that help Molecular diagnostic centers optimize their operations. A powerful combination of advanced features, such as Automated PCR Plate maps, TAT analysis, QC, and highly customizable report formats have made us the go-to choice for precision diagnostic labs worldwide. Join us at AMP to see our solutions in action!

Deepcell **MINORITY-OWNED BUSINESS | WOMEN-OWNED BUSINESS (WBE)**

Booth #: 1522

<http://deepcell.com>

Deepcell's AI-powered REM-I Platform is enabling a new scale of cell biology research and single cell analysis leveraging cellular morphology for unbounded discovery. Deepcell's platform leverages its artificial intelligence model, the Human Foundation Model, to identify and sort cells based on morphological distinctions helping power basic and translational research and offering future applications in diagnostic testing and therapeutics targeting.

DiaCarta

Booth #: 606

www.diacarta.com

DiaCarta, a translational genomics and precision molecular diagnostics company, was established in 2011 to provide highly sensitive and advanced technologies that will improve the way molecular diagnostics and translational genomics impact healthcare treatment plans and the well-being of individuals around the world.

DiaSorin Molecular

Booth #: 1335

<http://molecular.diasorin.com>

We are a unique combination of specialists for your molecular testing needs. Our Simplexa® Direct kits for cCMV, VZV, and HSV 1&2 are scalable and versatile for any size laboratory. Enabling fast, reliable, and clinically actionable results, our sample-to-answer VERIGENE® System offers syndromic solutions for bloodstream, respiratory, and gastrointestinal infections.

DNA Software, Inc.

Booth #: 1525

www.dnasoftware.com

DNA Software has been recognized as the industry leader in multiplex solutions for PCR design. Our software significantly reduces R&D expenditure while improving time to market for molecular diagnostics. Through PCRassays.com, we now offer more than 170 infectious disease kits adding more value for our customers and partners.

Element Biosciences

Booth #: 1629

www.elementbiosciences.com

At Element Biosciences, our mission is to develop innovative genetic analysis tools that empower the scientific community greater freedom and flexibility to accelerate our collective impact on humanity. We believe that your science can't—and shouldn't—wait. Our AVITI system uses revolutionary and proprietary technology delivering high-quality sequencing on a benchtop instrument at low run costs.

ELITechGroup Molecular Diagnostics

Booth #: 1031

<https://egmdx.com>

ELITechGroup MDx serves the needs of clinical and research laboratories alike, offering an extensive range of molecular diagnostics products, including the fully automated sample-to-result ELiTe BeGenius™ instrument system and a growing menu of infectious disease tests and reagents. All tests and reagents may be used on ELITechGroup MDx proprietary instrument systems and on most open channel platforms for maximum flexibility.

EXHIBITOR DESCRIPTIONS

EntroGen

Booth #: 924

www.entrogen.com

EntroGen is a Los Angeles-based biotechnology company with a primary focus on molecular diagnostics in the areas of hematology and oncology. EntroGen has a growing commercial portfolio of real-time PCR and NGS based tests, with many of its products being used to guide and monitor targeted therapies for various malignancies.

EpigenDx, Inc.

Booth #: 1029

<http://labs.epigenDx.com/>

EpigenDx brings extensive experience in the field of genetic and epigenetic clinical research, delivering quality products and laboratory services with a sharp focus on DNA methylation analysis. Our teams assess each project and employ appropriate technologies like NGS, Pyrosequencing, RT-PCR, digital PCR, and GeneChip Microarray for analysis. Our popular services include Line-1 global methylation and Foxp3-TSDR analysis for epigenetic immunotherapy.

Eremid Genomic Services

Booth #: 1634

<http://eremid.com>

Eremid® Genomic Services is a high complexity CLIA-certified genomics contract research organization, with world-class scientific staff, and cutting-edge genomic instrumentation and automation to create a unique offering to meet the increasing demands for higher data quality, reliability, and accuracy in genomics research. Learn more: <https://eremid.com/resource>.

Evik Diagnostics 

Booth #: 609

www.evikdiagnostics.com

Evik Dx specializes in custom lyophilization of nucleic acid (molecular) or immunoassay diagnostic reagents. We develop, perform volume production of precise-durable spheres branded DxSpheres™ originating from uL drops of liquid reagent. We assist developers solve common challenges: reagent stability, eliminating cold-chain by integrating reagent(s) into room-temp stable lyophilized beads that are versatile for use in micro-fluidic cartridges or custom devices.

Exact Sciences

Booth #: 1706

www.OncoExTra.com

A leading provider of cancer screening and diagnostic tests, Exact Sciences relentlessly pursues smarter solutions providing the clarity to take life-changing action, earlier. Building on the success of the Cologuard® and Oncotype® tests, Exact Sciences is investing in its product pipeline with the launch of the OncoExTra and Riskguard tests to take on some of the deadliest cancers and improve patient care.

FluxErgy

Booth #: 1403

www.fluxergy.com

Fluxergy is the first open platform for multimodal, point-of-care assay development and testing. Our goal is to make laboratory testing information more accessible, more affordable and more able to serve communities everywhere.

Foundation Medicine, Inc.

Booth #: 706

www.foundationmedicine.com

Foundation Medicine is a pioneer in molecular profiling for cancer. We collaborate with a broad range of partners across the cancer community and strive to set the standard for quality, scientific excellence, and regulatory leadership. We are driven to help our partners find answers and take action, enabling more people around the world to benefit from precision cancer care.

Gene by Gene

Booth #: 708

www.genebygene.com

At Gene by Gene, our focus is on genetics, using advanced robotic automation to provide outstanding Laboratory services. With over 20 years of genetic and Lab expertise we offer a full suite of solutions. Our reporting company, myDNA, delivers Clinical Exome, Genome, Pharmacogenomic, Hereditary Alpha Tryptasemia and Nutrigenomic reporting. We develop clinical validation for personalized medicine, biotechnology and pharmaceutical companies.

EXHIBITOR DESCRIPTIONS

Genentech**CORPORATE PARTNER**

Booth #: 1411

www.gene.com

Genentech pioneered the biotech industry and continues to pursue revolutionary science and develop life-changing medicines to treat some of the world's most complex health problems.

GenePath Diagnostics, Inc.

Booth #: 1720

www.genepathdx.com

GenePath is a premier supplier of custom-manufactured reagents tailored for Real-time PCR tests, targeting infectious disease pathogens such as UTI, STI, Respiratory, and GI. Reference Labs use our reagents to build LDT's (Lab Developed Tests) that are both high in quality and cost-effective.

Genes2Me Private Limited 

Booth #: 1303

<http://www.genes2me.com>

Genes2Me is a leading IVD solutions manufacturer offering NGS clinical panels, molecular POC solution, RT-PCR kits & molecular biology reagents. Our NGS clinical assays allows targeted testing for Oncology, Liquid Biopsy, cardiovascular conditions, Pharmacogenomics, neurological disorders, CES/WES etc & compatible on major NGS platforms. All assays are supported with user friendly cloud based Bioinformatic software which expedites the generation of clinical reports.

Genetic Tools, LLC

Booth #: 826

www.genetictoolsllc.com

Genetic Tools, LLC, a California-based company, aims ultra-high sensitive DNA/RNA detections of early cancer and infectious diseases. Recently we developed a novel, revolutionary Thermophilic Reverse Transcriptase. This RTase is super-efficient, works best at 60-62°C, and reliably detects single digit copies of target RNA templates. Thermophilic Reverse Transcriptase is particularly suitable to one-step RT-PCR: MAKING RNA TESTING AS EASY AS DNA.

Genomadix 

Booth #: 607

<http://genomadix.com>

The Genomadix Cube CYP2C19 System provides rapid, accurate CYP2C19 genotyping results in 1 hour as a CLIA moderate complexity test, allowing for genotype-guided dual anti-platelet therapy (DAPT) treatment for stroke and cardiology patients. The Cube uses gold standard real-time PCR technology, in a simplified workflow, with < 5minutes of hands-on time. The Cube CYP2C19 System is FDA 510(k)-cleared and CE Marked.

GenomeWeb

Booth #: 1334

www.genomeweb.com

GenomeWeb is an independent online news organization based in New York. Since 1997, GenomeWeb has served the global community of scientists, technology professionals, and executives who use and develop the latest advanced tools in molecular biology research and molecular diagnostics.

Genomic Testing Cooperative

Booth #: 1826

www.genomictestingcooperative.com

GTC offers CGP of DNA/RNA for solid/hematologic malignancies + Liquid Trace an LBx that analyses cfDNA and cfRNA. We have a fast TAT of 5-10 days and a QNS rate of < 1%. Our cooperative model allows us to partner with laboratories, hospitals, and others to share resources which create efficiencies in cost and quality. GTC's testing is covered by Medicare.

GenomOncology

Booth #: 1336

www.genomoncology.com

GenomOncology is a leading precision oncology software company that equips healthcare providers with the tools necessary to transform data into actionable treatment options and strategic insights to improve cancer care. GenomOncology's pathology solution enables molecular pathologists to easily process, validate, and report genomic testing results into actionable information for clinicians.

EXHIBITOR DESCRIPTIONS

Golden Helix

Booth #: 1500

<http://goldenhelix.com>

Golden Helix® is a global bioinformatics firm founded in 1998. We develop and sell an industry-leading clinical solution that supports the analysis of sequencing data and the creation of clinical reports.

GoPath Diagnostics

Booth #: 1607

<http://gopathdx.com>

GoPath Diagnostics, a diagnostic reference lab specializing in cancer genetics and molecular pathology, utilizes cutting-edge testing technologies and has global technology-only options. With GeneticsNow, OncoTarget, and OncoTracking, innovative solutions are developed through skilled teamwork and industry partnerships. GoPath conducts a range of tests including IHC, FISH, molecular PCR, cytogenetics, and NGS.

Hamilton Company

Booth #: 513

<http://hamiltoncompany.com>

Hamilton Company specializes in the development, manufacturing and customization of precision measurement devices, automated liquid handling workstations, sample management systems, and OEM solutions. Hamilton offers fully automated solutions for sample preparation, drugs of abuse testing, toxicology, pain management testing, next-generation sequencing (NGS), ELISA, and more.

Healthbit **MINORITY-OWNED BUSINESS**

Booth #: 1730

www.healthbit.ai

Healthbit, founded by a Molecular Pathologist and CAP Inspector, is a pioneering healthcare technology firm, transforming molecular diagnostics labs with our innovative, comprehensive software ecosystem and diverse, cutting-edge services. We optimize lab operations, ensuring precision and reliability, and empower laboratories to advance healthcare and deliver unparalleled value in molecular diagnostics.

Hologic**CORPORATE PARTNER**

Booth #: 801

www.hologic.com

At Hologic, we enable people to live healthier lives everywhere, every day. The Diagnostic Solutions division delivers on this commitment by developing and providing innovative cytology, molecular and perinatal testing. With instrumentation and assays rooted in science and driven by technology, Hologic helps guide patient care and enable earlier detection.

Illumina**CORPORATE PARTNER**

Booth #: 919

<http://illumina.com>

Serving customers in the clinical, research, and applied markets, Illumina technology is responsible for generating more than 90% of the world's sequencing data.* Illumina is fueling groundbreaking advancements in oncology, reproductive health, genetic disease, and beyond. By empowering large-scale analysis of genetic variation and function, Illumina is enabling studies that were not imaginable just a few years ago.

EXHIBITOR DESCRIPTIONS

Immunexpress

Booth #: 1030

www.immunexpress.com

Immunexpress is committed to improving outcomes for suspected sepsis patients. Our SeptiCyte® technology assesses a patient's dysregulated immune response by quantifying gene expression in blood, providing actionable results in an hour to aid the physician in decision making. SeptiCyte® RAPID is an FDA cleared sepsis test running on the Biocartis' Idylla™ Platform and differentiates sepsis from infection negative systemic inflammation.

Indigo BioAutomation

Booth #: 724

www.indigobio.com

Indigo BioAutomation provides automated data analysis, data management and data integration solutions to clinical laboratories, pharmaceutical and biotechnology research laboratories. ARQ, from Indigo BioAutomation is a software service dedicated to accelerating the release of high-quality qPCR and rtPCR results. The results are available anywhere, and delivered quickly, consistently, and reliably.

InnoSIGN

Booth #: 1430

www.innosignbio.com

InnoSIGN brings to market OncoSIGNal, a novel test to identify tumor-driving cell signaling pathways in a tumor sample. OncoSIGNal indicates aberrant pathway activity, guiding selection of personalized therapies with targeted drugs. The test is applicable across different cancer types, also for patients without actionable mutations in the tumor DNA, making personalized targeted therapies accessible to more patients.

Inside Precision Medicine

Booth #: 1428

www.insideprecisionmedicine.com

Inside Precision Medicine is the only global media brand covering the full spectrum of precision medicine, delivering best-in-class content that informs, educates, and enlightens our diverse audience of researchers, pathologists, clinicians, executives, and professionals. Inside Precision Medicine embraces the challenge to think differently with the mission-driven goal of effecting real progress and change for the benefit of patients in need.

INTEGRA Biosciences

Booth #: 1405

www.integra-biosciences.com

INTEGRA is a leading provider of high-quality laboratory tools and consumables for liquid handling and media preparation. We are committed to fulfilling the needs of laboratory professionals in research, diagnostics, and quality control within the life sciences industry. Visit www.integra-biosciences.com to see our full line of innovative products.

Integrated DNA Technologies, Inc.

Booth #: 1521

www.idtdna.com

Integrated DNA Technologies, Inc. (IDT) is in the business of moving science forward. Our innovative tools and solutions for genomics applications are breaking down barriers and breakthroughs. IDT leads the industry in the manufacture of custom oligonucleotides for molecular biology applications. We've developed proprietary technologies for genomics applications, such as Next Generation Sequencing, CRISPR genome editing, qPCR, and RNA interference.

Intelliseq 

Booth #: 1704

<http://intelliseq.com>

Intelliseq's mission is to make genome-based medicine accessible through intuitive genetic data analysis solutions. We've launched IntelliseqFlow, a secure, regulatory-compliant, web-based platform that translates raw NGS data into comprehensive reports, aiding patient and preventative care decisions. It's a cost-effective, fully automatic SaaS that's integrable with LIMS or EHR and scalable thanks to cloud technology, designed for usability beyond bioinformatics experts.

Invivoscribe

Booth #: 819

www.invivoscribe.com

Invivoscribe® is an ISO13485 compliant cGMP manufacturer of standardized reagents and bioinformatics software used by LabPMM clinical labs and >700 customers. Products include the FDA-approved LeukoStrat® CDx FLT3 Mutation Assay, RUO, and CE-marked assays for capillary and NGS platforms. Kits, gene panels, and MRD assays (Ig, TCR, FLT3, NPM1) are used to stratify/enroll subjects and track malignancies in clinical trials.

 **International Exhibitor** **Diverse Supplier**

EXHIBITOR DESCRIPTIONS

iProcess Global Research, Inc.

Booth #: 930

www.iprocess.net

iProcess Global Research is a global provider of Biospecimens and Lab Services for research and development. Established in 2004, we are a 19-year-old company with a strong focus on Biospecimen Collection Procurement, Storage, and Processing. iProcess Global Research is based in Irving, Texas with a global network of sites across North America, Europe, Africa, Asia, and South America.

Labcorp

Booth #: 1235

<http://oncology.labcorp.com>

Labcorp is a leading global life sciences company that provides vital information to help doctors, hospitals, pharmaceutical companies, researchers and patients make clear and confident decisions. Through our unparalleled diagnostics and drug development capabilities, we provide insights and accelerate innovations to improve health and improve lives.

LabTurbo Biotech

Booth #: 1504

www.labturbo.com

At LabTurbo Biotech, we focus on the development and manufacture of nucleic acid testing device including automated systems, DNA/RNA purification kits, liquid handling system, and qPCR kits for nucleic acid testing. We aim on bringing innovations to achieve faster, more sensitive, and sample-to-result nucleic acid testing for a wide range of sample types and multi-target panel testing.

LabWare, Inc.

Booth #: 1502

www.labware.com

LabWare is a global leader in clinical diagnostic laboratory management software and workflow automation. We empower laboratories with a robust, configurable enterprise solution that delivers long-term value. Our comprehensive laboratory solution enables clinical diagnostic organizations to increase productivity, reduce costs, optimize compliance, and improve quality.

LaCAR MDx technologies 

Booth #: 1535

<http://www.lacar-mdx.com>

LaCAR MDx is a Belgian company developing molecular diagnostic tools for the detection of genetic diseases. We commercialize CE-IVD kits detecting single-nucleotide polymorphisms (SNPs) or specific alleles based on the Loop mediated isothermal AMplification (LAMP) method. This technique does not require DNA extraction, but works directly on whole blood, which allows to save both time and costs.

LGC Biosearch Technologies

Booth #: 925

<http://www.biosearchtech.com>

Biosearch Technologies is the comprehensive genomics portfolio from LGC, providing products and services for genomic analysis that support mission critical applications in molecular diagnostics. We enable our customers from assay development to commercialisation through our expertise in sample preparation, oligo synthesis, enzymes, and components for PCR and NGS.

LGC Clinical Diagnostics

Booth #: 1024

www.lgclinicaldiagnostics.com

SeraCare is now part of LGC Clinical Diagnostics, Inc. LGC Clinical Diagnostics develops and manufactures over 3,650 catalog and custom diagnostic-quality solutions and component materials for the global life sciences industry. Using innovative technologies, SeraCare's portfolio of highly multiplexed patient-like reference materials used by assay developers and clinical laboratories ensure consistency, reproducibility, and confidence of oncology and genomic health assays.

Loxo@Lilly**CORPORATE PARTNER**

Booth #: 1025

www.loxooncology.com

Loxo@Lilly aims to create medicines that make life better for all those affected by cancer around the world. Bringing together the focus and spirit of a biotech with the scale, resources, and heritage of Lilly, our team is focused on rapidly delivering impactful new medicines for people with cancer.

EXHIBITOR DESCRIPTIONS

LRE Medical 

Booth #: 1528

<http://www.lre.de>

LRE Medical is a leading provider of contract engineering and contract manufacturing of complex and highly integrated instrumentation for the IVD, MedTech and Life Sciences industry. LRE offers one-stop-shop solutions from early feasibility studies through product development, manufacturing, after-sales service to lifetime product support. LRE Medicals located in Germany (Munich & Noerdlingen).

Lunaphore Technologies 

Booth #: 1926

www.lunaphore.com

Lunaphore Technologies S.A. is a Swiss company born in 2014 with the vision of enabling spatial biology in every laboratory. Lunaphore provides solutions based on a game-changing chip technology that can extract spatial proteomic and transcriptomic data from tumors and other tissues, transforming any assay into multiplex spatial biology through a streamlined and easily integrated process.

Maine Molecular Quality Controls, Inc.

Booth #: 1036

www.mmqci.com

Maine Molecular Quality Controls, Inc. creates innovative, easy-to-use, high-quality molecular controls for inherited disease, infectious disease, and oncology testing. Custom orders welcomed. Independent and focused on supporting accuracy of molecular tests, MMQCI's quality controls produced at our cGMP-, ISO13845-certified facility, coupled with unrivaled customer service, provide confidence in test results!

Medical Laboratory Observer

Booth #: 1628

www.MLO-online.com

MLO is the premier media publication for clinical lab professionals, delivering peerreviewed articles for 55 years. In addition, MLO provides CE courses, lab management tips, regulatory updates, industry trends, and new product reviews via print and digital editions, daily e-newsletters, the MLO website and CLRClinical Laboratory Reference, the annual Clinical Laboratory Reference guide published in August, in print and online.

Merck**CORPORATE PARTNER**

Booth #: 811

www.merck.com

At Merck, our goal is to translate breakthrough science into innovative oncology medicines. As part of our focus on cancer, Merck is committed to clinical research with one of the largest development programs in the industry.

Meridian BioScience, Inc.

Booth #: 511

www.meridianbioscience.com

For more than 40 years, Meridian Bioscience has helped healthcare providers in early diagnosis and proper patient management by providing a line of trusted solutions so that patients can get back to living. The Meridian platforms provide established testing technologies with accurate results. Meridian's comprehensive line of testing options deliver results with speed, accuracy and simplicity.

Merus

Booth #: 1035

<http://merus.nl>

At Merus, we are clinically advancing leading-edge, targeted treatments to address the unmet needs of patients with various types of cancer. Utilizing our proprietary technology platforms, we are developing innovative multispecific antibody therapeutics, referred to as Multiclomics®.

EXHIBITOR DESCRIPTIONS

MetaSystems Group, Inc.

Booth #: 709

<http://metasystems-international.com>

MetaSystems is a leading manufacturer of genetic imaging (high throughput) slide scanning systems and high quality DNA FISH probes for clinical laboratories. We offer innovative solutions for automated interphase FISH spot counting with RapidScore technology, TissueFISH and TMA analysis in fluorescence and brightfield, pathology whole slide imaging, metaphase search, and automatic karyotyping.

Microzone 

Booth #: 526

<http://Microzone.co.uk>

Microzone manufacturer kits for DNA / RNA Amplification, Extraction, Post PCR Clean up, Sequencing reagents for research and diagnostics. Offering PCR Mastermixes, Direct to PCR Buffers, MAGneat kits for DNA / RNA Extraction from tissue, blood, saliva, plant, and DNA Clean Up and our Free From Range. Providing simple, effective, efficient, robust products for over 25 years. Come chat!

MilliporeSigma

Booth #: 721

www.sigmaldrich.com

MilliporeSigma is a leading science and technology company. Around 52,000 employees work to make a difference in people's lives by creating more joyful and sustainable ways to live. From advances in gene editing and discovering unique ways to treat challenging diseases to enabling the intelligence of devices, the company is everywhere.

Molecular Designs

Booth #: 503

www.moleculardesigns.com

Molecular Designs was founded by physicians looking to simplify the delivery of and increase accessibility to cost-effective, streamlined, easy-to-use molecular technologies in laboratories. It offers numerous multiplex PCR-based panels produced under GMP and ISO 13485:2016 quality standards for research use only. Its team of experts supports clients in development, analytical validation, regulatory submission, and commercialization of assays.

Molecular Loop Biosciences

Booth #: 1034

www.molecularloop.com

Molecular Loop is a visionary biotech company at the forefront of targeted sequencing advancements. With our revolutionary LoopCap™ technology, we redefine the possibilities of precision sequencing. Our commitment to simplicity and accuracy drives us to develop user-friendly solutions that harness the power of LoopCap, enabling researchers to effortlessly extract profound insights from genetic data.

MRC Holland 

Booth #: 626

www.mrcholland.com

MRC Holland is a biotechnology company specialised in assays for gene copy number and methylation status detection. MRC Holland is best known as the producer of SALSA® MLPA® assays. We also offer SALSA® digitalMLPA™, the bridge between MLPA and NGS, and a SALSA® Melt Assay for newborn screening. Applications of our probemixes include hereditary disorders and tumour profiling.

Natera, Inc.

Booth #: 509

www.natera.com

Signatera is a custom-built circulating tumor DNA (ctDNA) test for molecular residual disease (MRD) assessment and treatment monitoring and in patients previously diagnosed with cancer. Signatera's performance has been clinically validated in multiple solid tumors including colorectal, breast, and bladder cancers as well as for immunotherapy response monitoring.

NeoGenomics Laboratories

Booth #: 723

<http://neogenomics.com>

NeoGenomics specializes in cancer genetics testing and information services with the most comprehensive oncology-focused testing menus globally to diagnose and treat cancer. NeoGenomics operates CLIA certified laboratories serving the needs of pathologists, oncologists, academic centers, hospital systems, Pharma, and managed care organizations.

EXHIBITOR DESCRIPTIONS

New England Biolabs

Booth #: 1922

www.neb.com

For over 40 years, New England Biolabs, Inc. has led the industry in the supply of molecular biology reagents. In addition to products for genomics, NEB continues to expand its offering into areas related to PCR and qPCR, gene expression, sample preparation for next gen sequencing, synthetic biology, glycobiology, genome editing, epigenetics and RNA analysis.

Novartis**CORPORATE PARTNER**

Booth #: 713

www.novartis.com

Novartis is reimagining medicine to improve and extend people's lives. We deliver high-value medicines that alleviate society's greatest disease burdens through technology leadership in R&D and novel access approaches. In our quest to find new medicines, we consistently rank among the world's top companies investing in research and development.

nRichDX

Booth #: 822

www.nrichdx.com

nRichDX's patented, IVD-labeled Revolution Sample Prep System™ isolates cfDNA, cfRNA, and other rare analytes from 1 mL – 20 mL of plasma or urine in a single extraction and without schemes like sample pooling or transfers other methods require. Higher yields of analytes lead to greater sensitivity and earlier detection. Get sample prep specifically engineered for liquid biopsy applications.

OGT

Booth #: 1423

www.ogt.com

OGT is a leading global provider of clinical and diagnostic genomic solutions created for scientists by scientists—including CytoCell®, CytoSure® and SureSeq™ ranges of FISH, microarray and NGS products. OGT strives to unlock the future of genetic clinical care with a commitment to working in partnership with its customers—working closely with scientists to understand their unique challenges.

Omega Bio-tek

Booth #: 525

www.omegabiotek.com

Omega Bio-tek, founded in 1998, is an ISO 9001:2015 and ISO 13485:2016 certified, industry-leading manufacturer of DNA/RNA purification kits for clinical, biotechnology, and genomics research. With a diversified product portfolio for low-throughput to high-throughput purification, Omega Bio-tek kits purify high-quality nucleic acids from a variety of samples. Omega Bio-tek's products and services are used in universities and research institutes worldwide.

OncokB

Booth #: 928

www.oncokb.org

OncokB™ is a precision oncology knowledge base developed at Memorial Sloan Kettering Cancer Center that contains biological and clinical information about genomic alterations in cancer. Alteration- and tumor type-specific therapeutic implications are classified using the OncokB™ Levels of Evidence system, which assigns clinical actionability to individual mutational events.

OPTOLANE Technologies Inc.

Booth #: 1434

www.optolane.com**Orchard Software Corporation**

Booth #: 1126

www.orchardsoft.com

Orchard Software is a leader in the LIS industry and offers a variety of solutions. Orchard® Molecular includes dynamic workflow support that orchestrates the entire molecular testing process from pre-analytical through post-analytical. Orchard® Enterprise Pathology is a web-based LIS designed to enable pathology laboratories to continue to grow and be an integral part of an interoperable healthcare system.

EXHIBITOR DESCRIPTIONS

Oxford Nanopore Technologies Ltd. 

Booth #: 1531

www.nanoporetech.com

Oxford Nanopore Technologies' goal is to enable the analysis of anything, by anyone, anywhere. The company has developed a new generation of nanopore-based sensing technology for real-time, accurate, accessible, and scalable analysis of DNA and RNA. The technology is used to understand the biology of humans and diseases such as cancer, but also plants, animals, bacteria, viruses and environments.

Paragon Genomics, Inc.

Booth #: 827

www.paragongenomics.com

Paragon Genomics, Inc. specializes in sample preparation for targeted next-generation sequencing (NGS). We develop and commercialize reagents and molecular tools for genomic analysis. Our CleanPlex® and CleanPlex® UMI NGS panels combine superior primer design and innovative library preparation chemistry to eliminate non-specific PCR products, incorporate molecular identifiers, and achieve superior target enrichment and variant detection performance.

PCR Biosystems 

Booth #: 1712

<http://pcrbio.com>

PCR Biosystems is a manufacturer of PCR kits and reagents for molecular biology research and diagnostics. Our portfolio covers a broad range of applications including hot start, long range and high fidelity PCR. With ISO 13485:2016 certification, our customers can have the assurance that our products and processes meet the required standards for the manufacturing of medical device components.

Phase Genomics

Booth #: 810

<http://phasegenomics.com>

Phase Genomics applies ultra-long-range sequencing methods to enable metagenomic, viral, and AMR discovery, chromosome-scale genome assembly, as well as analysis of structural variation and genome architecture. We offer a comprehensive portfolio of laboratory and computational services and products. These include proximity ligation (Hi-C) kits for plants, animals, microbes, and human samples, and industry-leading genome and metagenome assembly and analysis software.

Pillar Biosciences, Inc.

Booth #: 619

www.pillarbiosci.com

Pillar Biosciences develops and manufactures targeted next-generation sequencing-based assays and software for NGS laboratories. Utilizing proprietary SLIMamp target enrichment technology and PiVAT bioinformatics pipeline, Pillar offers a broad portfolio of NGS kitted solutions with a simplified one-day workflow and robust automatable solutions to deliver highly sensitive results from low input DNA & RNA samples including liquid biopsy.

Precision for Medicine

Booth #: 1727

www.precisionmedicinegrp.com/pfm

As a global, full-service precision medicine clinical research organization (CRO), we seamlessly integrate clinical operations, laboratory expertise, biospecimen procurement, and advanced data sciences to expedite clinical development and approval. Supported by seven specialty labs and a diverse global team of over 3,000 professionals, we are at the forefront of innovation for diagnostic and therapeutic development.

Precision System Science USA, Inc.

Booth #: 931

www.pssbio.com

In 2001, Precision System Science, first automated DNA extractions using magnetic beads for the molecular diagnostic laboratory. Today, our OEM and private label instruments continue to meet the rigorous demands of molecular diagnostic laboratories. We provide extraction and sample-to-answer molecular diagnostics instrumentation, as well as magnetic bead based chemistries for extracting DNA, RNA, cfDNA and other nucleic acids.

EXHIBITOR DESCRIPTIONS

Promega Corporaton

Booth #: 1407

www.promega.com

Promega Corporation is a leader in providing innovative solutions and technical support to the life sciences industry. A portfolio of 4,000+ products supports life science work across areas in cell biology; DNA, RNA and protein analysis; drug development; human identification and molecular diagnostics. Promega is headquartered in Madison, WI, with branches in 16 countries and 50+ global distributors.

Puritan Medical Products

Booth #: 710

www.puritanmedproducts.com

Puritan Medical Products Co., LLC, is a 104-year-old, family-owned American company known worldwide as the trusted manufacturer of single-use products for controlled environments, diagnostics and specimen collection, environmental, forensics, genetics, medical and microbiology media industries. Puritan is FDA-registered and ISO-certified. Made in USA.

QIAGEN

Booth #: 1833

www.qiagen.com

QIAGEN is known to more than 500,000 customers around the world for our innovation, engagement, integrity, quality and passion. Our mission is to deliver Sample to Insight solutions enabling QIAGEN customers to unlock valuable molecular insights faster, better and more efficiently—from the raw biological sample to the final interpreted result.

Quantabio

Booth #: 528

www.quantabio.com

Quantabio is a leading provider of advanced DNA and RNA amplification reagents for the most demanding molecular testing applications in applied, translational, and life science research. Our team leverages decades of experience in developing pioneering amplification technologies to deliver cutting-edge products to researchers focused on critical cloning, PCR, qPCR, and Next-Generation Sequencing (NGS) applications.

Quantumcyte, Inc.

Booth #: 729

www.quantumcyte.com

Quantumcyte has developed an intelligent automated tissue microdissection system, that can use diverse digital pathology programs to annotate individual cells for on-slide lysis. Our targeted spatial biology platform allows users to perform downstream analyses on extracted cells with any existing downstream molecular assays. The flexibility of our system allows users to conduct spatial biology experiments with existing workflows.

Randox Laboratories 

Booth #: 831

www.randox.com

A global market leader within the in vitro diagnostics industry, Randox Laboratories develops innovative diagnostic solutions for hospitals, clinical, research and molecular labs, food testing, forensic toxicology, veterinary labs and life sciences. With offices and distribution in over 145 countries, Randox offers customers improved efficiency, quality, cost-effectiveness and flexibility. Randox is committed to revolutionising healthcare on a global scale.

Reference Medicine

Booth #: 608

<http://referencemedicine.com>

Reference Medicine is a biospecimen provider dedicated to making it easy and fast for oncology diagnostic developers to acquire the specimens they need to build the next generation of cancer detection tools. They offer matched tumor tissue and fluids, standalone high-volume fluid sets, and normal tissue and fluids from sites around the world.

ResearchDx

Booth #: 1603

<http://researchdx.com>

ResearchDx is the leading provider of Diagnostic Development Services. We build diagnostic assays for a multitude of applications, including Biomarker Discovery, Laboratory Developed Testing (LDT's), and in vitro Diagnostic Devices (IVD's). Additionally, we perform a wide array of diagnostic testing in our CAP/CLIA accredited and GxP compliant facility.

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EXHIBITOR DESCRIPTIONS

Revvity

Booth #: 1400

www.revvity.com

Revvity provides health science solutions, technologies, expertise, and services that deliver complete workflows from discovery to development, and diagnosis to cure. Revvity is pushing the limits of what's possible in healthcare, with specialized focus areas in translational multi-omics technologies, biomarker identification, imaging, prediction, screening, detection and diagnosis, informatics, and more.

Rheonix, Inc.

Booth #: 1510

www.rheonix.com

The Rheonix Encompass Optimum™ workstation is a fully automated liquid handling system that now integrates and automates nucleic acid purification and NGS library preparation directly from raw samples, enabling labs to begin same shift sequencing with very limited technician time. Rheonix workstations, technologies, and multiplexed sample-to-answer molecular assays are used throughout the world in clinical, food safety and brewing industries.

RhinoStics, Inc.

Booth #: 700

www.rhinoStics.com

RhinoStics is revolutionizing sample collection, taking a radical new approach to device design and function. We recognized that swab-based and dried blood card workflows are encumbered by manual steps at the workflow's beginning. We provide elegant, automated collection devices to break through these bottlenecks, including the RHINOstic® and ELEstic™ Automated Swabs, VERIstic® blood collection devices and HIPPOstic™ DNA collection device.

Roche**CORPORATE PARTNER**

Booth #: 1000

<http://diagnostics.roche.com>

Roche provides innovative clinical diagnostic, life science research, dPCR, and next generation sequencing-based solutions to empower your lab. We are dedicated to creating diagnostic tools and developing techniques that are tailored to individual genetic and disease profiles, meeting the demands of research and clinical practice to deliver on the promise of personalized medicine.

SalivaDirect, Inc.

Booth #: 1924

<http://salivadirect.org>

SalivaDirect advances PCR protocols, supporting partners with streamlined, equitable solutions for the sensitive detection of SARS-CoV-2 and other respiratory pathogens. Its national network of more than 200 EUA-designated labs has provided over 7M COVID-19 EUA tests nationwide. Visit us at Booth 1924 to learn about our new saliva-based multiplex respiratory panel and initiatives underway to expand saliva-based diagnostics.

Sanofi

Booth #: 727

www.sanofi.com

Sanofi is an innovative global healthcare company, driven by one purpose: we chase the miracles of science to help improve people's lives. Our current work and research focuses on lung, prostate, multiple myeloma and other blood cancers. Our oncology strategy focuses on developing a portfolio of high-quality assets that we believe will have the potential to improve oncology care.

Sapio Sciences

Booth #: 934

www.sapiosciences.com

Sapio Sciences' mission is to improve life in the lab—because science is complex, Sapio makes technology simple. Sapio is a global business offering an all-in-one science-aware (TM) lab informatics platform combining cloud-based LIMS, ELN, and data solutions. Our customers love Sapio's platform because it is robust, scalable, and with no-code configuration, can quickly adapt to meet unique needs.

SCC Soft Computer

Booth #: 602

www.softcomputer.com

SCC Soft Computer's laboratory and genetics information system solutions accommodate clinical laboratory and anatomic pathology test ordering and reporting. Our fully integrated systems eliminate the need for costly add-ons providing a seamless interface that links all clinical laboratory departments. Tremendous flexibility is provided to allow the distribution of data and results from the laboratory to the entire care provider network.

EXHIBITOR DESCRIPTIONS

Seagen

Booth #: 1827

www.seagen.com

Seagen is a global biotechnology company that discovers, develops and commercializes transformative cancer medicines to make meaningful difference in people's lives.

Seegene

Booth #: 1630

<https://seegeneus.com>

Empowering laboratories with advanced multiplex PCR technology since 2000. Seegene USA is a leading developer of multiplex molecular assays and automated solutions for US labs. Our user-friendly workflow and comprehensive PCR results empower evidence-based research. With our cutting-edge technology, we enable the simultaneous detection of up to 9 targets in a single reaction, streamlining your lab's efficiency and reducing costs.

Semaphore Solutions 

Booth #: 1722

<http://labbitt.com/lims>

Semaphore Solutions is an informatics company with a long history of supporting laboratories with LIMS implementation, customization and custom software. We do this with Labbit, the next generation LIMS that lets you accelerate innovation cycles and scale faster. Our purpose is to advance global health by enabling the rapid implementation and iteration of innovative diagnostics and therapies.

Sequoia Consulting Group **WOMEN-OWNED BUSINESS (WBE)**

Booth #: 806

www.sequoiabiotech.com

Sequoia specializes in scaling life science organizations and effectively facilitating the delivery of high-quality therapeutics, diagnostics, and medical devices, prioritizing both quality and speed to market. Collaborating with Sequoia elevates operational efficiency for life science companies, expediting the delivery of vital healthcare innovations to patients in need.

Singular Genomics

Booth #: 818

www.singulargenomics.com

Singular Genomics is a life science technology company that develops next-generation sequencing and multiomics technologies. The commercially available G4 Sequencing Platform is a powerful benchtop genomic sequencer that produces fast and accurate results. In development, the PX integrates spatial multiomics and sequencing with single-cell resolution. With these products, Singular Genomics is empowering researchers and clinicians to advance science and medicine.

SoftGenetics, LLC

Booth #: 1424

www.softgenetics.com

Featuring NextGENE software for analysis of NGS data including Variations—SNVs/Indels/Somatics/Structural/Copy Number and HLA; Geneticist Assistant NGS Workbench, a knowledge-base for your samples and variant predictions; GeneMarker software with new Repeat Expansion (HTT, DMPK, ALS...) module; ChimerMarker, Chimerism Analysis software and Mutation Surveyor software for the analysis of Sanger Sequences. SoftGenetics is providing no cost trials of each program.

Sophia Genetics

Booth #: 1325

www.sophiagenetics.com

SOPHiA GENETICS™ (Nasdaq: SOPH) is a healthcare technology company dedicated to establishing the practice of data-driven medicine as the standard of care and for life sciences research. It is the creator of the SOPHiA DDM™ Platform, a cloudbased SaaS platform capable of analyzing data and generating insights from complex multimodal data sets and different diagnostic modalities.

Spectrum Solutions

Booth #: 1619

<http://spectrumsolution.com>

Spectrum Solutions is a healthcare solutions partner striving to bridge the gap between science and real medical solutions. Our laboratory products and services, clinical testing, and onsite compounding pharmacy are driving decentralized testing, accelerating multi-omic scientific applications, modernizing direct-to-consumer wellness, and delivering innovation with the practical power to impact and change outcomes.

 **International Exhibitor** **Diverse Supplier**

EXHIBITOR DESCRIPTIONS

SPT Labtech LTD 

Booth #: 1506

www.sptlabtech.com**STEMCELL Technologies, Inc.** 

Booth #: 1908

<http://stemcell.com>

STEMCELL Technologies offers cell isolation products to enhance the sensitivity of molecular assays for multiple myeloma, CLL, and other hematological malignancies. RoboSep™ instruments automate immunomagnetic cell separation from whole blood or bone marrow to minimize sample handling, eliminate cross-contamination, and reduce hands-on time—an ideal solution for busy routine labs. Streck

Booth #: 600
www.streck.com

Streck's mission is to make the world healthier by delivering innovative solutions to preserve the integrity and accuracy of results in clinical and research laboratories. Our products touch millions of lives each day and help validate the reputations of laboratories, hospitals, and clinicians all over the world. Streck products are delivered to over 13,000 labs in 65 countries.

Takara Bio USA

Booth #: 705

www.takarabio.com

Takara Bio USA, Inc., (TBUSA; formerly Clontech Laboratories, Inc.) is a wholly owned subsidiary of Takara Bio Inc. that manufactures and distributes kits, reagents, and instruments for life sciences research applications, including NGS, PCR, gene delivery, genome editing, stem cell research, nucleic acid and protein purification, and automated sample preparation.

Takeda

Booth #: 1134

www.takedaoncology.com

At Takeda Oncology, we aspire to cure cancer, with inspiration from patients and innovation from everywhere.

Targeted Bioscience

Booth #: 1823

www.targetedbioscience.com

Targeted Bioscience offers targeted spatial profiling and precision medicine solutions to profile the complex tissue microenvironment and uncover unique biomarkers. We provide targeted spatial profiling multi-omics solutions including the next generation laser capture microdissection system and extracellular vesicle isolation to drive meaningful insights into health and disease, identify biomarkers to inform decisions and accelerate the development of more effective therapies.

TE Connectivity—IVD Solutions

Booth #: 1435

www.te.com/ivdsolutions

TE's IVD Solutions team helps life science, IVD, and cell therapy clients transform microfluidic assays into user-friendly, cost-effective, and clinically validated products. With facilities in USA and Europe, we provide solutions spanning from concept ideation to full-scale manufacturing. Our expertise includes microfluidic assay integration, design, product development, usability testing, clinical, regulatory compliance and manufacturing of OTC and point-of-care devices.

Tecan 

Booth #: 830

www.tecan.com

Tecan improves people's lives and health by empowering customers to scale healthcare innovation globally from life science to the clinic. Tecan is a pioneer and global leader in laboratory automation. As an original equipment manufacturer (OEM), Tecan is also a leader in developing and manufacturing OEM instruments, components and medical devices that are then distributed by partner companies.

Tempus

Booth #: 808

<http://tempus.com>

Tempus is making precision medicine a reality by applying AI in healthcare, deriving insights from our expansive library of clinical data and molecular data. We enable physicians to make real-time, data-driven decisions to deliver personalized care and targeted therapies for patients through our analytical machine learning platform that uses the power of artificial intelligence in healthcare.



International Exhibitor



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EXHIBITOR DESCRIPTIONS

The Jackson Laboratory

Booth #: 1427

www.jax.org

The Jackson Laboratory is an independent, nonprofit biomedical research institution with a National Cancer Institute-designated Cancer Center, with facilities in Bar Harbor, ME, Sacramento, CA, and a genomic medicine institute in Farmington, CT. Its mission is to discover precise genomic solutions for disease, empowering the global biomedical community in the shared quest to improve human health.

The Pathologist 

Booth #: 1807

<http://thepathologist.com>

We are The Pathologist, a global magazine focused on pathology and laboratory medicine. We feature articles on all aspects of the field—news, views, personal profiles, practical tips and tricks, new and upcoming developments, training, education, and career development.

Thermo Fisher Scientific**CORPORATE PARTNER**

Booth #: 1319

www.thermofisher.com

Thermo Fisher Scientific is the world leader in serving science. Through our trusted Thermo Scientific, Applied Biosystems and Ion Torrent research and diagnostic solutions, services and support, we help molecular laboratories uncover and interpret relevant genetic insights across oncology, pharmacogenomics, and infectious disease areas using technologies such as next-generation sequencing, real-time PCR, Sanger sequencing, and bioinformatics.

Thomas Scientific

Booth #: 730

<http://thomassci.com>

For 120+ years, Thomas Scientific has provided the latest in equipment and supplies to the science community. In accordance with the tradition of the original founders, Thomas Scientific provides individualized customer service, innovative scientific equipment, and a comprehensive portfolio offering a wide selection of product listings at a great deal.

Vela Diagnostics

Booth #: 1728

www.veladx.com

Vela Diagnostics is a leading provider of an automated IVD Next Generation Sequencing (NGS) workflow in the global diagnostics market. Our sample-to-result NGS and real-time PCR solutions standardize testing, improve workflows, and help to reduce cost for optimal efficiency across laboratories of all sizes.

Velsera**CORPORATE PARTNER**

Booth #: 1419

<https://velsera.com>

Velsera is a healthcare technology company offering a universal software platform to connect clinical care with R&D and accelerate the transformation of medical and omics data into actionable insights. Our team of precision medicine experts—brought together from Pierian, Seven Bridges and UgenTec—supports lab workflow orchestration, clinical reporting and bioinformatics tools to drive new discoveries.

**Washington University in St. Louis—
Pathology Services**

Booth #: 828

<http://pathologyservices.wustl.edu>

As a premier subspecialty anatomic and clinical pathology service, Washington University Pathology Services provides diagnostic excellence and high-quality patient care through primary diagnosis, consultations, and complex case interpretation. Washington University's Cytogenetics and Molecular Pathology Laboratory (CAP/CLIA) offers a comprehensive range of services for prenatal, POC, constitutional and cancer testing.

Watchmaker Genomics

Booth #: 825

<http://watchmakergenomics.com>

Watchmaker Genomics applies advanced enzymology to enable breakthrough applications for the reading, writing, and editing of DNA and RNA. The company combines deep domain expertise in protein engineering with large-scale enzyme manufacturing to address high-growth genomics applications' demanding quality, performance, and scale requirements. Watchmaker's product portfolio includes enzymes and kits for next-generation sequencing library preparation, synthetic biology, and molecular diagnostics.

 **International Exhibitor** **Diverse Supplier**

EXHIBITOR DESCRIPTIONS

Xyall BV 

Booth #: 726

www.xyall.com

Xyall is on a mission to optimize molecular diagnostic test results for cancer patients by delivering technologies that enable accurate and efficient selection of tumor samples. Xyall provides fully automated tissue dissection solutions and fulfills the need for accuracy, speed and ease of use to make the most efficient use of existing staffing levels."

Yourgene Health

Booth #: 425

<http://yourgenehealth.com>

Yourgene Health is a leading integrated technologies and services business, enabling the delivery of genomic medicine. Yourgene's portfolio includes molecular diagnostic solutions for Reproductive Health (Cystic Fibrosis, Rapid Aneuploidy tests etc), Precision Medicine (DPYD genotyping) and Non-Invasive Prenatal Tests (NIPT). Yourgene have innovative DNA Size Selection instruments, powered by Ranger® Technology, for cfDNA applications in Gene Synthesis, NIPT and Oncology."

YouSeq Ltd 

Booth #: 601

www.youseq.com

YouSeq is an expert organisation, specialising in the design, development and manufacture of Next Generation Sequencing (NGS) kits, panels and reagents.

ZeptoMetrix Corporation

Booth #: 720

www.zeptometrix.com

ZeptoMetrix™ is a leader in the design, development, and delivery of innovative, quality solutions to the Infectious Disease Diagnostics Market. Our expertise and abilities in Molecular Diagnostics, including External Quality Controls, Verification Panels, Proficiency Panels, Customized and OEM Products/Services has set the industry standard for performance and reliability and made us the preferred choice for independent 3rd party QC materials.

Zifo Technologies, Inc.

Booth #: 1524

www.zifond.com

Zifo is a global specialist scientific and process informatics service provider working across research, development, manufacturing and clinical domains with expertise in over 90 partner technologies and platforms. We serve customers from Pharma/Biotech/CRO, Industrial chemicals and Food & Bev, to Consumer Goods and Oil and Gas.

Zymo Research Corp.

Booth #: 524

www.zymoresearch.com

Zymo Research is a globally established biotechnology company and industry leader in the fields of epigenetics, microbiomics, and the emerging Next-Gen Sequencing space. Even with the most technologically advanced products in the industry, everything is driven by the fundamental belief that "the beauty of science is to make things simple."



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STAYING AHEAD OF
THE CHANGING HPV
TESTING LANDSCAPE:
A 360 DEGREE REVIEW

Date: Wednesday, November 15, 2023

Start Time: 8:00AM

End Time: 8:50AM

Venue: Salt Palace Convention Center

Room: 250C

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Pathogenic gene fusions may contribute to 1 in 6 cancers and often go undetected^{1,2,a}

These genomic alterations can be strong oncogenic drivers and are often associated with poorer outcomes.^{1,3}

One such driver receiving increasing attention is *NRG1*, which has been observed in non-small cell lung cancer, pancreatic cancer, and in other tumor types.^{4,5}



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NRG1, neuregulin 1.

^a Among 9624 patients who underwent tumor RNA sequencing, pathogenic gene fusions were found in 16.5% of samples.¹

References: 1. Gao Q, Liang W-W, Foltz SM, et al. Driver fusions and their implications in the development and treatment of human cancers. *Cell Rep.* 2018;23(1):227-238.e3. doi:10.1016/j.celrep.2018.03.050 2. Bruno R, Fontanini G. Next generation sequencing for gene fusion analysis in lung cancer: a literature review. *Diagnostics (Basel).* 2020;10(8):521. doi:10.3390/diagnostics10080521 3. Dhanasekaran SM, Balbin OA, Chen G, et al. Transcriptome meta-analysis of lung cancer reveals recurrent aberrations in *NRG1* and Hippo pathway genes. *Nat Commun.* 2014;5:5893. doi:10.1038/ncomms5893 4. Drilon A, Duruisseaux M, Han J-Y, et al. Clinicopathologic features and response to therapy of *NRG1* fusion-driven lung cancers: the eNRGy1 Global Multicenter Registry. *J Clin Oncol.* 2021;39(25):2791-2802. doi:10.1200/JCO.20.03307 5. Liu SV. Plain language summary of *NRG1* fusions in cancer: current knowledge and treatment with afatinib and other drugs. *Future Oncol.* 2022;18(26):2865-2870. doi:10.2217/fon-2022-0073