

We are excited to offer relevant conversations and demonstrations to the attendees of AACC 2020. You can watch here at the Expo – or find them, and a lot more to explore, at [ExploreThermoFisher.com](https://www.thermofisher.com).

Workshops On Demand

Putting the Applied Biosystems TaqPath™ COVID-19 Kit to the Test: Clinical Performance Against the Competition

ARUP Laboratories will share their experience using the Emergency Use Authorized TaqPath COVID-19 Combo Kit. They will share clinical performance and comparison data with two other SARS-CoV-2 real-time-PCR based tests, including performance data with regards to the “two of three” infected patient gold standard. Additionally, Thermo Fisher Scientific will discuss our rapidly expanding COVID-19 testing portfolio.

Speakers

Ninad Mehta, PhD, Pathology Fellow, ARUP Laboratories

Manoj Gandhi, Senior Director, Clinical, Thermo Fisher Scientific

MS Proteotyping of Human Cancers in Oncology Therapeutic Development

Our customer and collaborator, Dr. Dan Liebler, President of Prototypia, Inc., will highlight his research on MS proteotyping of human Cancers in oncology therapeutic development using Thermo Scientific™ Orbitrap™ technology. New therapeutics targeting immune checkpoint proteins have significantly advanced treatment of non-small cell lung cancer (NSCLC), but protein level quantitation of drug targets presents a critical problem. Dr. Liebler focuses on his use of multiplexed, targeted mass spectrometry (MS) to quantify immunotherapy target proteins PD-1, PD-L1, PD-L2, IDO1, LAG3, TIM3, ICOSLG, VISTA, GITR, and CD40 in formalin-fixed, paraffin-embedded (FFPE) NSCLC specimens. Global proteome analyses identified distinct proteotypes associated with high PD-L1-expressing and high IDO1-expressing NSCLC. Find out how MS quantification of multiple drug targets and tissue proteotypes can improve clinical evaluation of immunotherapies for NSCLC.

Speaker

Daniel C. Liebler, Ph.D., President, Prototypia, Inc

LC-MS Toxicology Workstreams, Orbitrap Technology, and Intuitive Software Enable Confident, Concise, and Comprehensive Results in Drug Analysis

Part 1: The Thermo Scientific Tox Explorer Collection: Robust LC-MS Workstream for Toxicology Analysis This presentation will demonstrate a targeted screening and quantitation method for a large panel of drugs of abuse. This workstream based approach utilizes the high-resolution, accurate-mass Thermo Scientific™ Q Exactive™ Plus Orbitrap mass spectrometer. Identified drugs are screened against an extensive HRAM MS/MS spectral library and a database containing molecular formula, exact mass, retention times, and fragment ions.

Speakers

Deb Bhattacharyya, PhD, Sr. Manager, Vertical Marketing, Thermo Fisher Scientific
Kristine Van Natta, PhD, Strategic Marketing Applications Specialist, Thermo Fisher Scientific

Part 2: Thermo Scientific TraceFinder™ Software Overview and Implementation of a Thermo Scientific™ Q Exactive™ Hybrid Quadrupole-Orbitrap™ Mass Spectrometer for the Identification and Quantitation of Synthetic Cannabinoids in Postmortem Forensic Investigations

Synthetic cannabinoids continue to appear in forensic toxicology casework, and they represent a chemically diverse class of substances with particularly difficult behaviors to which high resolution mass spectrometry (HRMS) can provide great benefit. A quantitative confirmatory test was developed and validated for 5F-MDMB-PICA (the most prevalent synthetic cannabinoid identified in forensic casework) and its metabolites in human blood. A Thermo Scientific™ Q Exactive™ Hybrid Quadrupole-Orbitrap™ Mass Spectrometer was used for analysis. This interactive presentation will provide an overview of TraceFinder software along with a review of the performance characteristics to demonstrate the utility and accuracy of the developed assay.

Speakers

Tais Regina Fiorentin, PhD, Research Scientist II, The Center for Forensic Science Research and Education

Alex Krotulski, PhD, Research Scientist III, The Center for Forensic Science Research and Education

Lectures On Demand

Unraveling the Diagnostic Mystery of Alpha-Gal

Alpha-Gal syndrome, also known as delayed red-meat allergy, is a recently discovered condition that's been making media waves. The syndrome is notoriously difficult to diagnose, but advancements in allergen component diagnostics have made it easier.

Speaker

Gary Falcetano, PA-C, Clinical Affairs Manager, Allergy, Thermo Fisher Scientific

Rapidly Scaling High-Throughput COVID-19 Testing With The Thermo Fisher Scientific Amplitude Solution

In order to reach the COVID-19 testing volumes needed to help reduce the spread of disease and restore economies and communities - clinical laboratories need high-throughput, highly-automated systems that are easy to install and run. The Thermo Fisher Scientific Amplitude Solution is an upcoming, new, highly automated molecular diagnostic testing system that can analyze up to 8,000 COVID-19 specimens in 24 hours. Learn about the current challenges clinical laboratories are facing when scaling their COVID-19 testing, how this new system can improve laboratory efficiencies with minimal staffing, and how easily a system like this can be implemented into a clinical laboratory.

Speaker

Peter Norster, Senior Manager, Market Development, Thermo Fisher Scientific

A Single Test for the Overlap of COVID-19 and Flu Season: Applied Biosystems TaqPath COVID-19, Flu A, Flu B Combo Kit

As a world leader in COVID-19 testing, Thermo Fisher Scientific has worked rapidly to develop a new multiplex real-time PCR diagnostic kit for the simultaneous detection of SARS-CoV-2, influenza A, and influenza B, which all present with similar clinical symptoms. This highly accurate real-time PCR test is Emergency Use Authorized, allowing you to expand your respiratory sample testing menu while maintaining low operational costs. Join this talk to learn more about the TaqPath COVID-19, Flu A, Flu B Combo Kit and see performance data. Speaker(s)

Speaker:

Michael Schumaker, Director, Research and Development, Genetic Testing Solutions, Thermo Fisher Scientific

Practical Demonstration of the Cascadion SM Clinical Analyzer for LC-MS/MS Specialty Diagnostic Testing

See an "in person" demonstration of the features, functionality, workflow and potential benefits for your laboratory of the Cascadion SM Clinical Analyzer in a Thermo Fisher Scientific laboratory given by a company expert. You'll be able to see the actual operation and hear about this novel new Liquid Chromatography Mass Spectrometry (LC-MS/MS) system delivering accuracy and ease-of-use in a format designed specifically for the routine clinical laboratory.

Speaker

Jorge Salazar, Senior Account Manager, Clinical Mass Spectrometry, Thermo Fisher Scientific