

Message from the Chair



Dear Proteomics and Metabolomics Division member,

I am excited to share information about Division-sponsored events, as well as numerous other sessions featuring proteomics and metabolomics taking place at the AACC 2022 annual meeting.

The **Division Networking Event** will occur during the AACC Opening Mixer on **Sunday July 24th from 6:45 - 8:00pm** on the Lakeside Terrace on the 3rd level of the McCormick Place Convention Center.

This year, our Annual Division Mixer, **Mass Spectacular**, in joint-collaboration with the Mass Spectrometry and Separation Sciences Division (MS3), will take place on **Tuesday July 26th from 6:00 – 8:00 pm**, at the Grand Horizon Ballroom E-F, Marriott Marquis Chicago. Join us for a reception and networking with fellow MS3 and Proteomics and Metabolomics Division members and affiliates. This is a ticketed event and each attendee will receive two (2) drink tickets as part of registration. Registration for the Mass Spectacular is \$10 per person. You may also register onsite on the day of the event.

There is an incredible amount of proteomics and metabolomics content in this year's annual meeting. Several of these events are highlighted below and there are many more great symposia and posters to be found in the program.

At this time, I would like to acknowledge the members of our division leadership and all the work they have contributed to our division: Drs Ravinder Singh (Past Chair), Stefani Thomas (Secretary), Angela Fung (Treasurer), Ashley Beasley Green (Awards Chair), Valentinas Gruzdys (Artery Moderator), Danni Li (Nominating Committee), Mark Lowenthal (Nominating Committee) and Zahra Shajani Yi (Member at Large).

On behalf of the entire leadership of the Division, I want to thank you for your participation in the Proteomics and Metabolomics Division, and I look forward to catching up with you at the Division Networking Event, Division Mixer and annual meeting!

Sincerely,

Vathany Kulasingam, PhD, FCACB
Chair, Proteomics and Metabolomics Division

Proteomics & Metabolomics Scientific Sessions of Interest 2022 AACC Annual Scientific Meeting

Monday July 25

7:30AM - 8:30AM & 12:30PM - 1:30PM	42104 Beyond Mass Spectrometry: Novel Multiplex Proteomics Technologies for the Analysis of Biofluids from Bench to the Bedside	Roundtable Session (\$25.00)	Analytic Techniques and Applications Data Analytics and Informatics	Annie Ren, PhD
7:30AM - 8:30AM & 12:30PM - 1:30PM	42116 Implementing LC-MS into the Clinical Lab: Clinical Utility and Method Development Strategies	Roundtable Session (\$25.00)	Analytic Techniques and Applications Molecular Diagnostics	Robin Kemperman, PhD
8:45AM - 10:15AM	12001 Multiplexed and Exponentially Improving Technologies	Plenary	Analytic Techniques and Applications Precision Medicine	George Church, PhD
10:30AM - 12:00PM	32107 The Toxicology Tool Kit: An Interactive, Case-Based Approach to Toxicology Investigations	Scientific Session 1.5 Hour	Toxicology and Therapeutic Drug Monitoring Preanalytical and Postanalytical	Nicholas Heger, PhD, C-ASCP, NRCC Danyel Tacker, PhD, DABCC, FAACC
10:30AM - 11:30AM	62002 Multiplexed and Exponentially Improving Technologies	Meet the Expert Session	Analytic Techniques and Applications Precision Medicine	George Church, PhD
2:30PM - 4:00PM	32224 Lessons Learned: a Post-Gel Era for Paraproteinemia Analysis	Scientific Session 1.5 Hour	Analytic Techniques and Applications Precision Medicine	J. Shirley Li, MD, PhD, DABCC, NRCC David Murray, MD, PhD, MBA, MT (ASCP) Rongrong Huang, PhD, DABCC
2:30PM - 4:00PM	32230 Valid Vital LDTs: Current State of Regulation Legislation of Laboratory-Developed Tests	Scientific Session 1.5 Hour	Laboratory Management and Leadership Laboratory Stewardship and Patient Safety	Eric Konnick, MD Karen Kaul, MD, PhD David Flannery, MD Dennis Dietzen, PhD, DABCC, FAACC Jonathan Genzen, MD, PhD

Tuesday July 26

7:30AM - 8:30AM & 12:30PM - 1:30PM	43120 Measurement of Immunosuppressants by Mass Spectrometry: A Practical Guide	Roundtable Session (\$25.00)	Toxicology and Therapeutic Drug Monitoring Analytic Techniques and Applications	Erica Fatica, PhD
10:30AM - 12:00PM	33107 Guidelines for the Laboratory Detection of Monoclonal Gammopathies	Scientific Session 1.5 Hour	Analytic Techniques and Applications General Clinical Chemistry	Mohammad Ansari, MD David Keren, MD, MS
10:30AM - 12:00PM	33110 What's Wrong with These Results? Effects of Herbal Supplements on Clinical Laboratory Test Results and Patients	Scientific Session 1.5 Hour	Toxicology and Therapeutic Drug Monitoring General Clinical Chemistry	Paul Jannetto, PhD, DABCC, MT (ASCP), FAACC Amitava Dasgupta, PhD, DABCC
2:30PM - 4:00PM	33228 So You Want to Buy a Mass Spectrometer?	Scientific Session 1.5 Hour	Analytic Techniques and Applications Laboratory Management and Leadership	Melissa Budelier, PhD, DABCC Adina Badea, PhD, DABCC Kara Lynch, PhD, DABCC, FAACC
2:30PM - 4:00PM	33230 Unusual Toxicology: Interpreting Complex Cases Involving Urine, Umbilical Cord, Meconium, and Hair Samples	Scientific Session 1.5 Hour	Toxicology and Therapeutic Drug Monitoring Preanalytical and Postanalytical	Joe El-Khoury, PhD, DABCC, FAACC Kamisha Johnson-Davis, PhD, DABCC (CC,TC), FAACC Jacqueline Hubbard, PhD, DABCC

**** Do not forget to check out the relevant poster sessions ****

Poster sessions – Tuesday, July 26

- **A273 – A303: Toxicology and Therapeutic Drug Monitoring**

Mass Spectacular*

Educational **Ticketed** **Networking/Social Event**

*Tickets are \$10. Attendees can register for special events through the meeting's online [registration system](#). Tickets will also be available for purchase onsite on the day of the event.

Tuesday, July 26, 6 – 8 p.m.

Grand Horizon Ballroom E-F, Marriott Marquis Chicago

Wednesday July 27

7:30AM - 8:30AM & 12:30PM - 1:30PM	44114 How to Improve the Robustness of Our Current LC-MS/MS Method for Urine Opiates Confirmation	Roundtable Session (\$25.00)	Toxicology and Therapeutic Drug Monitoring Analytic Techniques and Applications	Ka Keung Chan, PhD
7:30AM - 8:30AM & 12:30PM - 1:30PM	44118 Mass Spectrometry a Game Changer for Clinical Diagnostics: Choose the Right One for Your Analytical and Clinical Needs	Roundtable Session (\$25.00)	Analytic Techniques and Applications Laboratory Management and Leadership	Nazmin Bithi, PhD
7:30AM - 8:30AM & 12:30PM - 1:30PM	44119 Mass Spectrometry: Current Clinical Applications and a Glimpse into the Future	Roundtable Session (\$25.00)	Analytic Techniques and Applications Toxicology and Therapeutic Drug Monitoring	Ibrahim Choucair, PhD
10:30AM - 12:00PM	34104 Challenges to Consider when Bringing in New Mass Spectrometry-Based Testing	Scientific Session 1.5 Hour	Analytic Techniques and Applications Toxicology and Therapeutic Drug Monitoring	Jacqueline Hubbard, PhD, DABCC Adina Badea, PhD, DABCC Mark Cervinski, PhD, DABCC, FAACC

**** Do not forget to check out the relevant poster sessions ****

Poster sessions – Wednesday, July 27

- **B001 – B126: Analytical Techniques and Applications**
- **B299 – B310: Precision Medicine**

Check out the posters presented by the winners of our Division’s Best Abstract Award Competition:

Best Abstract in *Proteomics*

B-057: The Impact of Circulating Hydrogen Sulfide on the Risk of Major Adverse Cardiovascular Events
Hind Malaeb, PhD

Poster Session B: Wednesday, July 27 9:30 am – 5:00 pm (presenter will be present from 12:30 – 1:30 pm)

Best Abstract in *Metabolomics*

B-087: A Novel Ultrasensitive, High Throughput and Quantitative SARS CoV 2 Neutralizing Antibody Titer Measurement Assay in Dried Blood Spot Samples

Yu Wang, PhD

Poster Session B: Wednesday, July 27 9:30 am – 5:00 pm (presenter will be present from 12:30 – 1:30 pm)

Thursday July 28

8:45AM - 10:15AM	15001 Guiding Clinical Decisions with Molecular Information provided by Direct Mass Spectrometry Technologies	Plenary	Analytic Techniques and Applications Precision Medicine	Livia Eberlin, PhD
10:30AM - 12:00PM	35102 Drug Screening and Confirmatory Testing in Clinical Practice: Practical Interpretive Guidance and Public Health Considerations	Scientific Session 1.5 Hour	Toxicology and Therapeutic Drug Monitoring General Clinical Chemistry	Alec Saitman, PhD, DABCC Hsuan-Chieh Liao, PhD, NRCC, DABCC
10:30AM - 12:00PM	35107 Recommendations for Use of Free Testosterone in Patient Care: A Challenge for the Laboratory	Scientific Session 1.5 Hour	Analytic Techniques and Applications General Clinical Chemistry	Abraham Morgentaler, MD, FACS Ravinder Singh, PhD, DABCC Hui Zhou, PhD