

## Spring Meeting Program: March 21-22, 2022

ARUP Laboratories, Salt Lake City, UT

<b>Monday, March 21, 2022</b>		Time	
<i>Welcome and Introductions</i>		8:45	
<b>Session 1: COVID</b>		<b>Topic/Title</b>	<b>Speaker (affiliation)</b>
	9:00	COVID overview and impact to the clinical laboratory	Dr. Stephen Master (AACC /CHOP/UPenn)
	9:30	COVID in pregnancy	Dr. Torri Metz (UU)
	10:00	COVID response at ARUP	Dr. Adam Barker (ARUP/UU)
	10:30	Early prediction of COVID-19 patient survival by targeted plasma multi-omics and machine learning	Dr. Christophe Borchers (McGill University)
	11:00	Future directions	Dr. Eddie Stenehjem (IMC)
<i>Thematic Poster Session</i>		11:30	View posters related to COVID, cystic fibrosis, or "other"
<b>Session 2: Cystic Fibrosis</b>		13:00	Disease description and diagnosis
	13:30	Laboratory testing	Dr. Tatiana Yuzyuk (ARUP/UU)
	14:00	Treatment and monitoring	Dr. Yuan Ji (ARUP/UU)
	14:30	Genetic counseling	Dr. Katie McDonald (PCMC)
	15:00	Research, clinical trials	Patti Krautscheid (ARUP)
	16:00	"Speed Meeting" breakout room discussions	Rebecca Baldermann (CU)
<i>Networking</i>			
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<b>Tuesday, March 22, 2022</b>		Time	
<i>Welcome and Introductions</i>		8:45	
<b>Session 3: Mass Spectrometry in the Clinical Laboratory</b>		<b>Topic/Title</b>	<b>Speaker (affiliation)</b>
	9:00	Evolution of mass spectrometry	Dr. Melissa Budelier (TriCore)
	9:30	Kratom in umbilical cord tissue	Dr. Melissa Hughes (ARUP)
	10:00	Detection of doping in athletes	Dr. Vinod Nair (SMRTL)
	10:30	Untargeted toxicology testing	Dr. Kara Lynch (UCSF)
	11:00	Targeted Multiplexed Genomics Applications on the MALDI-TOF MassARRAY System	Dr. Robin Everts (Agena)
<i>Thematic Poster Session</i>		11:30	View posters related to clinical applications of mass spectrometry
	13:00	Microfluidics for single-cell proteomics	Dr. Ryan Kelly (BYU)
	13:30	Mass spectrometry-based proteomic analysis of high-grade serous ovarian cancer: toward clinical utility	Dr. Stefani Thomas (UMN)
	14:00	High sensitivity measurement of thyroglobulin using conventional flowrate LC-MS/MS	Dr. Mark Kushnir (ARUP)
	14:30	Determining calibration curves for robust, targeted, and high throughput proteomics with an Evosep One and Agilent 6495C LC/TQ	Dr. Wendi Hale (Agilent)
	15:00	Approaches to data analysis and machine learning in routine clinical mass spectrometry	Dr. Daniel Holmes (Providence Health Care)
<i>Networking</i>		16:00	Tours of ARUP (if allowed)

**Organizing Committee Members:**

Ghaith Altawallbeh, Amol Bajaj, Rebecca Baldermann, Kamisha Johnson-Davis, Lisa Johnson, Tiffany Harris, Vrajesh Pandya, Gwen McMillin (Chair), Heather Nelson, Jayson Pagaduan, Kayla Uscilowski

Please contact [RMAACC2022@aruplab.com](mailto:RMAACC2022@aruplab.com) for registration and other information