

Date	Time PDT	Track	Presentation Title	Speaker
1-Mar	8:00-9:00 AM		Diamond-Based Nanomedicine for Enhanced Cancer Treatment and Imaging	Dean Ho Professor, Oral Biology and Medicine, Advanced Prosthodontics, Co-Director, Weintraub Center for Reconstructive Biotechnology, UCLA School of Dentistry
23-Mar	8:00-9:00 AM		Development and Production of Viral Vectors: Advances in Processes and Translation for Human Gene Therapy	Johannes CM Van der Loo, PhD Director of Aseptic Processing Laboratories and Research Viral Vector Core Director of Cincinnati Children's Hospital
1-Feb	8:00-9:00 AM		Rapid, Accurate Exosome Purification and Sizing: High Performance Exosome Purification and Characterization via automated Density Gradient, Ultracentrifugation and Dynamic Light Scattering	Joshua T Robinson Senior Development Scientist, Beckman Coulter, Inc
20-Mar	8:00-9:00 AM		Cross-talk & Developmental Programs A Key to Translational Stem Cell Biology	Evan W. Snyder, M.D., Ph.D., F.A.A.P Director Stem Cell Research Center & Core Facility, Professor, Sanford-Burnham Medical Research Inst, Faculty Physician, Department of Pediatrics, University of California, San Diego
10-Sep	7:00-8:00 AM		Physical & Chemical Characterization of Nanoparticle Constructs using the Analytical Ultracentrifuge	Osman M Bakr, PhD Assistant Professor, Materials Science and Engineering, King Abdullah University of Science and Technology (KAUST), Saudi Arabia
14-Oct	1:00-2:00 AM		Aggregation Analysis and Beyond: Analytical Ultracentrifugation in the Biopharmaceutical Industry	Alexander Bepperling, PhD Head of the AUC facility of Sandoz/Novartis
12-Nov	8:00-9:00 AM		Analytical Ultracentrifugation of Carbon Nanotubes	Jeffrey A Fagan, PhD Chemical Engineer, Lead Scientist, National Institute of Standards and Technology
9-Jan	5:30-6:30 AM		Optimizing Workflows in Flow Cytometry	Loïc Tauzin Flow Specialist for École Polytechnique Fédérale de Lausanne
26-Jan	8:00-9:00 AM		How stem cells speak with immune cells	Stefano Pluchino, MD, PhD University Lecturer, Brain Repair, Honorary Consultant in Neurology, University of Cambridge, UK
28-Jan	8:00-9:00 AM		Automated 3D Cell Culture and Screening by Imaging and Flow Cytometry	Nicky Slawny, PhD Application Director 3D Biomatrix, Inc. Mike Kowalski, Ph.D. Staff Applications Scientist, Beckman Coulter Life Sciences

4-Mar	8:00-9:00 AM		Diversity of extracellular vesicles and their cargo in cell-to-cell communication	Jan Olof L��ttvall, MD, PhD Professor, Department of Internal Medicine, University of Gothenburg
8-Apr	7:00-8:00 AM		Introduction to the new USP <787>: "Subvisible Particulate Matter in Therapeutic Protein Injections"	Joe Gecsey Life Science Application Manager, Beckman Coulter, Particle Counting and Characterization
16-Apr	8:00-9:00 AM		Advances in Sedimentation Analysis	Borries Demeler, PhD Director, Bioinformatics Core Facility, University of Texas Health Science Center
28-Apr	8:00-9:00 AM		Centrifugal Elutriation- Utility in the Flow Cytometry Laboratory	Peter Lopez Research Assistant Professor, Department of Pathology, NYU School of Medicine, Director of the NYULMC Flow Cytometry Facility
30-Apr	8:00-9:00 AM		Swimming in Transcriptomics: Using Next-Gen sequencing to study the evolution of neural circuitry and swimming behavior of sea slugs	Adriano Senatore, PhD, MSc, BSc NSERC Postdoctoral Research Fellow, Neuroscience Institute, Georgia State University
11-May	1:00-2:00 PM		Isolation and characterization of exosomes and ectosomes	Suresh Mathivanan, PhD Laboratory head, Dept. of Biochemistry and Genetics, La Trobe Institute for Molecular Science (LIMS), La Trobe University
28-May	8:00-9:00 AM		Webinar: Quantitative determination of reaction stoichiometry, interaction energies, and solute masses using analytical ultracentrifugation	John Burgner, PhD Adjunct Faculty Member, Biophysics department at the Virginia Commonwealth University Medical School
11-Jun	8:00-9:00 AM		The role of Particle Size in Geological, hydrological and sedimentological controls on wetland loss and gain in the Mississippi River Delta	Alex Kolker, PhD Assistant Professor, Louisiana Universities Marine Consortium Matthew Rhyner, PhD, MBA (Moderator) Senior Strategic Marketing Manager, Particle Characterization and Counting business group, Beckman Coulter
25-Jun	8:00-9:00 AM		Large scale purification of RNA and RNA-based Nanoparticles by Preparative Ultracentrifugation	Daniel Jasinski Graduate Research Assistant, University of Kentucky
2-Jul	8:00-9:00 AM		Exosome Biogenesis and the Budding of Proteins and Viruses	Stephen Gould, PhD Professor of Biological Chemistry, Johns Hopkins University
13-Aug	8:00-9:00 AM		Analytical ultracentrifugation as a complementary technique for structural analysis of proteins and macromolecular complexes	Andrew B Herr, PhD Associate Professor, Divisions of Immunobiology & Infectious Diseases, Cincinnati Children's Hospital Medical Center

10-Sep	4:00-5:00 AM		WEBINAR: Visualizing & Tracking: Extracellular Vesicles Delivery and RNA Translation	Charles Lai, PhD Assistant Professor, Institute of Biomedical Engineering, National Tsing-Hua University
15-Sep	7:00-8:00 AM		WEBINAR: Less False Negatives: Quantifying Cell Viability by Simultaneous Triple Staining	Oliver Kepp, PhD Research Scientist, Kroemer Lab, Paris, France Allan Sauvat Research Engineer, Institut Gustave Roussy, Villejuif, France, Kroemer Lab, Paris, France
30-Sep	10:30-11:30 AM	Industry Speaker	High efficiency SPRI (Solid Phase Reverse Immobilization Paramagnetic Bead) technology for microRNA applications	Bee Na Lee, PhD Staff Application Scientist, Beckman Coulter Life Sciences
1-Oct	9:30-10:30 AM		WEBINAR: Extracellular Vesicle Isolation by Flow Cytometric Sorting and Characterization by Analytical Ultra-Centrifugation and Dynamic Light Scatter	Carley Ross, PhD Staff Development Scientist, Beckman Coulter
7-Oct	8:00-9:00 AM		WEBINAR: Choosing the right Total Organic Carbon analyzer for pharmaceutical QC laboratory applications	Tony Harrison Senior Marketing Manager, Beckman Coulter
8-Oct	8:00-9:00 AM		WEBINAR: Proteome Profiling of the Tumor Microenvironment: Role of Human Primary Fibroblasts Derived Exosomes in Oral Cancer Progression	Simona Principe, PhD Post-Doctoral Fellow, Princess Margaret Cancer Center, University Health Network
22-Oct	8:00-9:00 AM		WEBINAR: Exploring the Stoichiometry of Macromolecular Complexes Using Multi-Signal Sedimentation Velocity Analytical Ultracentrifugation	Chad A Brautigam, PhD Associate Professor, Biophysics, Director, Macromolecular Biophysics Resource, The University of Texas Southwestern Medical Center
5-Nov	8:00-9:00 AM		WEBINAR: Advanced flow cytometric analysis of human T cell memory subsets	Nicole Weit, PhD Senior Application Scientist, Beckman Coulter Lifesciences
3-Dec	6:30-7:30 AM		Lymphocyte subset analysis workflow comparison - Aquios CL Flow Cytometer vs FC500 Flow cytometer and TQ Prep Lysing system	Dominika Benjamins Medical Laboratory Technologist London Health Sciences Centre London, Ontario, Canada
4-Dec	8:00-9:00 AM		Advanced sensitivity and resolution in flow cytometry through innovation	J. Paul Robinson, PhD SVM Professor of Cytomics, Professor of Biomedical Engineering, Purdue University
8-Dec	8:00-9:00 AM		WEBINAR: Diversity of Cancer-Derived Extracellular Vesicles	Dolores Di Vizio, MD, PHD Associate Professor, Cedars-Sinai Medical Center and University California, Los Angeles (UCLA), Assistant Professor, Harvard Medical School

18-Dec	8:00-9:00 AM		A proposed phenotyping method for Human Innate Lymphoid Cells (ILCs) using flow cytometry	Olivier Jaen, PhD Flow Cytometry Marketing Manager and Application Scientist, Beckman Coulter Emerging Market Europe Asia India
12-Jan	8:00-9:00 AM		WEBINAR: Combined Use of Multiple Particle Characterization Technologies to Evaluate Targeted Liposomal Formulations: Implications for General Nanoparticle Development	Melvin E Klegerman, PhD Professor, Cardiovascular Medicine, University of Texas Health Science Center at Houston
20-Jan	8:00-9:00 AM		Extracellular Vesicle Detection and Analysis via Flow Cytometry	Vasilis Toxavidis Resource Director Flow Cytometry Core, Beth Israel Deaconess Medical Center/Harvard Stem Cell Institute John Tigges Technical Director/Manager, Flow Cytometry Core, Beth Israel Deaconess Medical Center/Harvard Stem Cell Institute
28-Jan	8:00-9:00 AM		Particle Size Distribution for Cement using Laser Diffraction	Edward Hoff Sales Specialist, Particle Counting and Characterization, Beckman Coulter, Inc.
25-Feb	9:00-10:00 AM		WEBINAR: The revised ISO 14644-1 changes classification and monitoring methods: Are you prepared?	Joe Gecsey Life Science Application Manager, Beckman Coulter, Particle Counting and Characterization
1-Mar	8:00-9:00 AM		Quantifying Protein Aggregates by Sedimentation Velocity	Michael Stoner, PhD Scientist, Amgen, Inc.
14-Apr	7:00-8:00 AM		WEBINAR: Avoiding the Pitfalls When Automating Cell Viability Counting for Biopharmaceutical Quality Control	Tony Harrison Senior Marketing Manager, Beckman Coulter
19-May	8:00-9:00 AM		WEBINAR: Easy Automation Solutions. Better Results.	David Horvath, MS Senior Applications Scientist, Beckman Coulter Life Sciences Zach Smith, MS Senior Applications Scientist, Beckman Coulter Life Sciences
23-Jun	8:00-9:00 AM		DNA & RNA Sequencing Sample Prep: Automating Simple to Complex Methods	David Horvath, MS Senior Applications Scientist, Beckman Coulter Life Sciences Zach Smith, MS Senior Applications Scientist, Beckman Coulter Life Sciences

30-Jun	7:30-8:30 AM	Proteome centric precision medicine: embracing pathological diversity	Proteome centric precision medicine: embracing pathological diversity	Jennifer Van Eyk, PhD Director, Advanced Clinical Biosystems Research Institute and Director of the Basic Science Research of the Barbra Streisand Woman's Heart Center
13-Jul	8:00-9:00 AM		Particle counters must now be calibrated with ISO 21501-4: Do your instruments comply?	Joe Gecsey Life Science Application Manager, Beckman Coulter, Particle Counting and Characterization
13-Jul	8:00-9:00 PM		Easy Automation Solutions. Better Results.	David Horvath, MS Senior Applications Scientist, Beckman Coulter Life Sciences Zach Smith, MS Senior Applications Scientist, Beckman Coulter Life Sciences
26-Jul	7:30-8:30 AM		Automated assays for protein engineering: in vitro and in vivo	Daniela Quaglia, PhD Postdoctoral Researcher, Biocatalysis, Universit� de Montr�al
28-Jul	8:00-9:00 AM		Mission Possible: Automating NGS sample prep for challenging samples and niche applications	David Horvath, MS Senior Applications Scientist, Beckman Coulter Life Sciences Zach Smith, MS Senior Applications Scientist, Beckman Coulter Life Sciences
8-Sep	8:00-9:00 AM		Optimizing Quality Control Electronic Records for 21 CFR Part 11 Compliance	Tony Harrison Senior Marketing Manager, Beckman Coulter
21-Sep	7:30-8:30 AM		Using Data to Drive Automated Screening and Effective Reporting	Tim Sherrill Staff Systems Engineer, Beckman Coulter Life Sciences Mike Kowalski, Ph.D. Staff Applications Scientist, Beckman Coulter Life Sciences
1-Nov	7:00-8:00 AM		Clinical Laboratory Workflow: The Impact of the "3 Rs"	Jeannine T Holden, MD MBA Director of Scientific Affairs, Flow Cytometry; Beckman Coulter Life Sciences
10-Nov	7:30-8:30 AM		Does your protein analysis toolbox need a refresh?	Rich Jones, PhD Senior Marketing Manager; Beckman Coulter
8-Dec	7:30-8:30 AM		Tackling the challenge of FFPE DNA Extraction: An automation-ready solution designed with an NGS focus	Kathy Munkvold, PhD Staff Scientist, Beckman Coulter Life Sciences

9-Dec	8:00-9:00 AM		Flow Cytometry Data Analysis in a Flash	Joyce Slusser, PhD Senior Scientist, KCAS Bioanalytical and Biomarker Services
28-Feb	7:00-8:00 AM		WEBINAR: Contamination Control in the Hydraulic Industry	Rob Fish Owner and Lead Instructor of BasicHydraulics.com
2-Mar	7:00-8:00 AM		WEBINAR: Particle size characterization by laser diffraction analysis in geoscience and soil science - Background, analyses, application, and interpretation	Björn Machalett, PhD Research Fellow, Department of Geosciences, University of Massachusetts, Amherst and the Department of Natural and Applied Sciences, Bentley University; Associated Researcher, Intitute of Ge
22-Mar	7:30-8:30 AM		The Future of Liquid Handling Automation has Arrived	Tim Sherrill Staff Systems Engineer, Beckman Coulter Life Sciences Robert (Bob) Lund Senior Product Manager - Automation, Beckman Coulter Life Sciences Rajan (Raj) Kapadia Director of Marketing - Automation, Beckman Coulter Life Sciences
18-Apr	7:30-8:30 AM		Don't hesitate. Learn how to step up your library prep with new Biomek i-Series Genomic Sample Prep Workstations.	Zach Smith, MS Senior Applications Scientist, Beckman Coulter Life Sciences
20-Apr	7:30-8:30 AM		Advances in Cellular Automation	Mike Kowalski, Ph.D. Staff Applications Scientist, Beckman Coulter Life Sciences
28-Jun	7:00-8:00 AM		Analytical methods to measure empty and full AAV particles	Christine LeBec, PhD Head of Analytical Development, Genethon
19-Jul	7:00-8:00 AM		Data Integrity and the FDA Guidance	Tony Harrison Senior Marketing Manager, Beckman Coulter
17-Aug	10:00-11:00 AM		Applications of Counterflow Centrifugal Elutriation (CCE): Revival of an Old Tool	Anisha Rathi Post-doctoral Research Associate, Cell and Molecular Biology, St Jude Children's Research Hospital

31- Aug	7:00- 8:00 AM		Characterization of H4-IC31 candidate: particles and composition	<p>Sasmit Deshmukh Associate Scientist at SGS Canada and Sanofi Pasteur Ltd., Toronto, ON</p> <p>Marina Kirkitadze Head of Biophysics and Conformation Unit, Biochemistry Platform, Analytical R&D North America, Sanofi Pasteur Ltd</p>
5- Sep	8:00- 9:00 AM		WEBINAR: 21 CFR Part 11 Data integrity for On-Line TOC instrumentation	<p>Tony Harrison Senior Marketing Manager, Beckman Coulter</p>