



## WELCOME TO THE BECKMAN COULTER LIFE SCIENCES VIRTUAL TRADE SHOW

Learn What We're All About on Your Terms



| Date   | Time             | Track | Presentation Title                                                                                                                                                                           | Speaker                                                                                                                                                                                                                        |
|--------|------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1-Mar  | 08:00 - 09:00 AM |       | Diamond-Based Nanomedicine for Enhanced Cancer Treatment and Imaging                                                                                                                         | Dean Ho<br>Professor, Oral Biology and Medicine, Advanced Prosthodontics, Co-Director, Weintraub Center for Reconstructive Biotechnology, UCLA School of Dentistry                                                             |
| 23-Mar | 08:00 - 09:00 AM |       | Development and Production of Viral Vectors: Advances in Processes and Translation for Human Gene Therapy                                                                                    | Johannes CM Van der Loo, PhD<br>Director of Aseptic Processing Laboratories and Research Viral Vector Core Director of Cincinnati Children's Hospital                                                                          |
| 1-Feb  | 08:00 - 09:00 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<br>Senior Development Scientist, Beckman Coulter, Inc                                                                                                                                                        |
| 20-Mar | 08:00 - 09:00 AM |       | Cross-talk & Developmental Programs A Key to Translational Stem Cell Biology                                                                                                                 | Evan W. Snyder, M.D., Ph.D., F.A.A.P<br>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 | 07:00 - 08:00 AM |       | Physical & Chemical Characterization of Nanoparticle Constructs using the Analytical Ultracentrifuge                                                                                         | Osman M Bakr, PhD<br>Assistant Professor, Materials Science and Engineering, King Abdullah University of Science and Technology (KAUST), Saudi Arabia                                                                          |
| 14-Oct | 01:00 - 02:00 AM |       | Aggregation Analysis and Beyond: Analytical Ultracentrifugation in the Biopharmaceutical Industry                                                                                            | Alexander Bepperling, PhD<br>Sr. Manager Analytical Characterization<br>SANDOZ                                                                                                                                                 |
| 12-Nov | 08:00 - 09:00 AM |       | Analytical Ultracentrifugation of Carbon Nanotubes                                                                                                                                           | Jeffrey A Fagan, PhD<br>Chemical Engineer, Lead Scientist, National Institute of Standards and Technology                                                                                                                      |

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| 11-Dec | 07:00<br>-<br>08:00 AM |  | Preparing Your Clinical Laboratory for High Throughput Buccal Swab DNA Purification                                                  | René Oda<br>Director of Technology at Interleukin Geneticsaker                                                                                      |
| 9-Jan  | 05:30<br>-<br>06:30 AM |  | Optimizing Workflows in Flow Cytometry                                                                                               | Loïc Tauzin<br>Flow Specialist for École Polytechnique Fédérale de Lausanne                                                                         |
| 26-Jan | 08:00<br>-<br>09:00 AM |  | How stem cells speak with immune cells                                                                                               | Stefano Pluchino, MD, PhD<br>University Lecturer, Brain Repair, Honorary Consultant in Neurology, University of Cambridge, UK                       |
| 28-Jan | 08:00<br>-<br>09:00 AM |  | Automated 3D Cell Culture and Screening by Imaging and Flow Cytometry                                                                | Nicky Slawny, PhD<br>Application Director 3D Biomatrix, Inc.<br>Mike Kowalski, Ph.D.<br>Staff Applications Scientist, Beckman Coulter Life Sciences |
| 4-Mar  | 08:00<br>-<br>09:00 AM |  | Diversity of extracellular vesicles and their cargo in cell-to-cell communication                                                    | Jan Olof Lötvall, MD, PhD<br>Professor, Department of Internal Medicine, University of Gothenburg                                                   |
| 8-Apr  | 07:00<br>-<br>08:00 AM |  | Introduction to the new USP <787>: "Subvisible Particulate Matter in Therapeutic Protein Injections"                                 | Joe Gecsey<br>Life Science Application Manager, Beckman Coulter, Particle Counting and Characterization                                             |
| 16-Apr | 08:00<br>-<br>09:00 AM |  | Advances in Sedimentation Analysis                                                                                                   | Borries Demeler, PhD<br>Professor, University of Lethbridge, Department of Chemistry and Biochemistry                                               |
| 28-Apr | 08:00<br>-<br>09:00 AM |  | Centrifugal Elutriation- Utility in the Flow Cytometry Laboratory                                                                    | Peter Lopez<br>Research Assistant Professor, Department of Pathology, NYU School of Medicine, Director of the NYULMC Flow Cytometry Facility        |
| 30-Apr | 08:00<br>-<br>09:00 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<br>NSERC Postdoctoral Research Fellow, Neuroscience Institute, Georgia State University                             |

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| 11-May | 01:00 - 02:00 PM |                  | Isolation and characterization of exosomes and ectosomes                                                                                    | Suresh Mathivanan, PhD<br>Laboratory head, Dept. of Biochemistry and Genetics, La Trobe Institute for Molecular Science (LIMS), La Trobe University                                                                                     |
| 28-May | 08:00 - 09:00 AM |                  | Webinar: Quantitative determination of reaction stoichiometry, interaction energies, and solute masses using analytical ultracentrifugation | John Burgner, PhD<br>Adjunct Faculty Member, Biophysics department at the Virginia Commonwealth University Medical School                                                                                                               |
| 11-Jun | 08:00 - 09:00 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<br>Assistant Professor, Louisiana Universities Marine Consortium<br>Matthew Rhyner, PhD, MBA (Moderator)<br>Senior Strategic Marketing Manager, Particle Characterization and Counting business group, Beckman Coulter |
| 25-Jun | 08:00 - 09:00 AM |                  | Large scale purification of RNA and RNA-based Nanoparticles by Preparative Ultracentrifugation                                              | Daniel Jasinski<br>Graduate Research Assistant, University of Kentucky                                                                                                                                                                  |
| 2-Jul  | 08:00 - 09:00 AM |                  | Exosome Biogenesis and the Budding of Proteins and Viruses                                                                                  | Stephen Gould, PhD<br>Professor of Biological Chemistry, Johns Hopkins University                                                                                                                                                       |
| 13-Aug | 08:00 - 09:00 AM |                  | Analytical ultracentrifugation as a complementary technique for structural analysis of proteins and macromolecular complexes                | Andrew B Herr, PhD<br>Associate Professor, Divisions of Immunobiology & Infectious Diseases, Cincinnati Children's Hospital Medical Center                                                                                              |
| 10-Sep | 04:00 - 05:00 AM |                  | WEBINAR: Visualizing & Tracking: Extracellular Vesicles Delivery and RNA Translation                                                        | Charles Lai, PhD<br>Assistant Professor, Institute of Biomedical Engineering, National Tsing-Hua University                                                                                                                             |
| 15-Sep | 07:00 - 08:00 AM |                  | WEBINAR: Less False Negatives: Quantifying Cell Viability by Simultaneous Triple Staining                                                   | Oliver Kepp, PhD<br>Research Scientist, Kroemer Lab, Paris, France<br>Allan Sauvat<br>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<br>Staff Application Scientist, Beckman Coulter Life Sciences                                                                                                                                                           |

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| 1-Oct  | 09:30<br>-<br>10:30 AM |  | WEBINAR: Extracellular Vesicle Isolation by Flow Cytometric Sorting and Characterization by Analytical Ultra-Centrifugation and Dynamic Light Scatter                   | Carley Ross, PhD<br>Staff Development Scientist, Beckman Coulter                                                                                                         |
| 7-Oct  | 08:00<br>-<br>09:00 AM |  | WEBINAR: Choosing the right Total Organic Carbon analyzer for pharmaceutical QC laboratory applications                                                                 | Tony Harrison<br>Senior Marketing Manager, Beckman Coulter                                                                                                               |
| 8-Oct  | 08:00<br>-<br>09:00 AM |  | WEBINAR: Proteome Profiling of the Tumor Microenvironment: Role of Human Primary Fibroblasts Derived Exosomes in Oral Cancer Progression                                | Simona Principe, PhD<br>Post-Doctoral Fellow, Princess Margaret Cancer Center, University Health Network                                                                 |
| 22-Oct | 08:00<br>-<br>09:00 AM |  | WEBINAR: Exploring the Stoichiometry of Macromolecular Complexes Using Multi-Signal Sedimentation Velocity Analytical Ultracentrifugation                               | Chad A Brautigam, PhD<br>Associate Professor, Biophysics, Director, Macromolecular Biophysics Resource, The University of Texas Southwestern Medical Center              |
| 5-Nov  | 08:00<br>-<br>09:00 AM |  | WEBINAR: Advanced flow cytometric analysis of human T cell memory subsets                                                                                               | Nicole Weit, PhD<br>Senior Application Scientist, Beckman Coulter Lifesciences                                                                                           |
| 3-Dec  | 06:30<br>-<br>07:30 AM |  | Lymphocyte subset analysis workflow comparison - Aquios CL Flow Cytometer vs FC500 Flow cytometer and TQ Prep Lysing system                                             | Dominika Benjamins<br>Medical Laboratory Technologist London Health Sciences Centre London, Ontario, Canada                                                              |
| 4-Dec  | 08:00<br>-<br>09:00 AM |  | Advanced sensitivity and resolution in flow cytometry through innovation                                                                                                | J. Paul Robinson, PhD<br>SVM Professor of Cytomics, Professor of Biomedical Engineering, Purdue University                                                               |
| 8-Dec  | 08:00<br>-<br>09:00 AM |  | WEBINAR: Diversity of Cancer-Derived Extracellular Vesicles                                                                                                             | Dolores Di Vizio, MD, PHD<br>Associate Professor, Cedars-Sinai Medical Center and University California, Los Angeles (UCLA), Assistant Professor, Harvard Medical School |
| 18-Dec | 08:00<br>-<br>09:00 AM |  | A proposed phenotyping method for Human Innate Lymphoid Cells (ILCs) using flow cytometry                                                                               | Olivier Jaen, PhD<br>Flow Cytometry Marketing Manager and Application Scientist, Beckman Coulter Emerging Market Europe Asia India                                       |
| 12-Jan | 08:00<br>-<br>09:00 AM |  | WEBINAR: Combined Use of Multiple Particle Characterization Technologies to Evaluate Targeted Liposomal Formulations: Implications for General Nanoparticle Development | Melvin E Klegerman, PhD<br>Professor, Cardiovascular Medicine, University of Texas Health Science Center at Houston                                                      |

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| 20-Jan | 08:00 - 09:00 AM |                                                                       | Extracellular Vesicle Detection and Analysis via Flow Cytometry                                              | Vasilis Toxavidis<br>Resource Director Flow Cytometry Core, Beth Israel Deaconess Medical Center/Harvard Stem Cell Institute<br>John Tigges<br>Technical Director/Manager, Flow Cytometry Core, Beth Israel Deaconess Medical Center/Harvard Stem Cell Institute |
| 28-Jan | 08:00 - 09:00 AM |                                                                       | Particle Size Distribution for Cement using Laser Diffraction                                                | Edward Hoff<br>Sales Specialist, Particle Counting and Characterization, Beckman Coulter, Inc.                                                                                                                                                                   |
| 25-Feb | 09:00 - 10:00 AM |                                                                       | WEBINAR: The revised ISO 14644-1 changes classification and monitoring methods: Are you prepared?            | Joe Gecsey<br>Life Science Application Manager, Beckman Coulter, Particle Counting and Characterization                                                                                                                                                          |
| 1-Mar  | 08:00 - 09:00 AM |                                                                       | Quantifying Protein Aggregates by Sedimentation Velocity                                                     | Michael Stoner, PhD<br>Scientist, Amgen, Inc.                                                                                                                                                                                                                    |
| 14-Apr | 07:00 - 08:00 AM |                                                                       | WEBINAR: Avoiding the Pitfalls When Automating Cell Viability Counting for Biopharmaceutical Quality Control | Tony Harrison<br>Senior Marketing Manager, Beckman Coulter                                                                                                                                                                                                       |
| 19-May | 08:00 - 09:00 AM |                                                                       | WEBINAR: Easy Automation Solutions. Better Results.                                                          | David Horvath, MS<br>Senior Applications Scientist, Beckman Coulter Life Sciences<br>Zach Smith, MS<br>Senior Applications Scientist, Beckman Coulter Life Sciences                                                                                              |
| 23-Jun | 08:00 - 09:00 AM |                                                                       | DNA & RNA Sequencing Sample Prep: Automating Simple to Complex Methods                                       | David Horvath, MS<br>Senior Applications Scientist, Beckman Coulter Life Sciences<br>Zach Smith, MS<br>Senior Applications Scientist, Beckman Coulter Life Sciences                                                                                              |
| 30-Jun | 07:30 - 08:30 AM | Proteome centric precision medicine: embracing pathological diversity | Proteome centric precision medicine: embracing pathological diversity                                        | Jennifer Van Eyk, PhD<br>Director, Advanced Clinical Biosystems Research Institute and Director of the Basic Science Research of the Barbra Streisand Woman's Heart Center                                                                                       |

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| 13-Jul | 08:00 - 09:00 AM |  | Particle counters must now be calibrated with ISO 21501-4: Do your instruments comply?                 | Joe Gecsey<br>Life Science Application Manager, Beckman Coulter, Particle Counting and Characterization                                                             |
| 13-Jul | 08:00 - 09:00 PM |  | Easy Automation Solutions. Better Results.                                                             | David Horvath, MS<br>Senior Applications Scientist, Beckman Coulter Life Sciences<br>Zach Smith, MS<br>Senior Applications Scientist, Beckman Coulter Life Sciences |
| 26-Jul | 07:30 - 08:30 AM |  | Automated assays for protein engineering: in vitro and in vivo                                         | Daniela Quaglia, PhD<br>Postdoctoral Researcher, Biocatalysis, Université de Montréal                                                                               |
| 28-Jul | 08:00 - 09:00 AM |  | Mission Possible: Automating NGS sample prep for challenging samples and niche applications            | David Horvath, MS<br>Senior Applications Scientist, Beckman Coulter Life Sciences<br>Zach Smith, MS<br>Senior Applications Scientist, Beckman Coulter Life Sciences |
| 8-Sep  | 08:00 - 09:00 AM |  | Optimizing Quality Control Electronic Records for 21 CFR Part 11 Compliance                            | Tony Harrison<br>Senior Marketing Manager, Beckman Coulter                                                                                                          |
| 21-Sep | 07:30 - 08:30 AM |  | Using Data to Drive Automated Screening and Effective Reporting                                        | Tim Sherrill<br>Staff Systems Engineer, Beckman Coulter Life Sciences<br>Mike Kowalski, Ph.D.<br>Staff Applications Scientist, Beckman Coulter Life Sciences        |
| 1-Nov  | 07:00 - 08:00 AM |  | Clinical Laboratory Workflow: The Impact of the "3 Rs"                                                 | Jeannine T Holden, MD MBA<br>Director of Scientific Affairs, Flow Cytometry; Beckman Coulter Life Sciences                                                          |
| 10-Nov | 07:30 - 08:30 AM |  | Does your protein analysis toolbox need a refresh?                                                     | Rich Jones, PhD<br>Senior Marketing Manager; Beckman Coulter                                                                                                        |
| 8-Dec  | 07:30 - 08:30 AM |  | Tackling the challenge of FFPE DNA Extraction: An automation-ready solution designed with an NGS focus | Kathy Munkvold, PhD<br>Staff Scientist, Beckman Coulter Life Sciences                                                                                               |

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| 9-Dec  | 08:00 - 09:00 AM |  | Flow Cytometry Data Analysis in a Flash                                                                                                                      | Joyce Slusser, PhD<br>Senior Scientist, KCAS Bioanalytical and Biomarker Services                                                                                                                                                                            |
| 28-Feb | 07:00 - 08:00 AM |  | WEBINAR: Contamination Control in the Hydraulic Industry                                                                                                     | Rob Fish<br>Owner and Lead Instructor of BasicHydraulics.com                                                                                                                                                                                                 |
| 2-Mar  | 07:00 - 08:00 AM |  | WEBINAR: Particle size characterization by laser diffraction analysis in geoscience and soil science - Background, analyses, application, and interpretation | Björn Schröder, PhD<br>Senior Manager, Product Management, Animal Health - Thermo Fisher Scientific                                                                                                                                                          |
| 22-Mar | 07:30 - 08:30 AM |  | The Future of Liquid Handling Automation has Arrived                                                                                                         | Tim Sherrill<br>Staff Systems Engineer, Beckman Coulter Life Sciences<br>Robert (Bob) Lund<br>Senior Product Manager - Automation, Beckman Coulter Life Sciences<br>Rajan (Raj) Kapadia<br>Director of Marketing - Automation, Beckman Coulter Life Sciences |
| 18-Apr | 07:30 - 08:30 AM |  | Don't hesitate. Learn how to step up your library prep with new Biomek i-Series Genomic Sample Prep Workstations.                                            | Zach Smith, MS<br>Senior Applications Scientist, Beckman Coulter Life Sciences                                                                                                                                                                               |
| 20-Apr | 07:30 - 08:30 AM |  | Advances in Cellular Automation                                                                                                                              | Mike Kowalski, Ph.D.<br>Staff Applications Scientist, Beckman Coulter Life Sciences                                                                                                                                                                          |
| 28-Jun | 07:00 - 08:00 AM |  | Analytical methods to measure empty and full AAV particles                                                                                                   | Christine LeBec, PhD<br>Head of Analytical Development, Genethon                                                                                                                                                                                             |
| 19-Jul | 07:00 - 08:00 AM |  | Data Integrity and the FDA Guidance                                                                                                                          | Tony Harrison<br>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<br>Post-doctoral Research Associate, Cell and Molecular Biology, St Jude Children's Research Hospital                                                                                                                                           |

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| 31-Aug | 07:00 - 08:00 AM |  | Characterization of H4-IC31 candidate: particles and composition       | Sasmit Deshmukh<br>Associate Scientist at SGS Canada and Sanofi Pasteur Ltd., Toronto, ON<br>Marina Kirkitadze<br>Head of Biophysics and Conformation Unit, Biochemistry Platform, Analytical R&D North America, Sanofi Pasteur Ltd |
| 5-Sep  | 08:00 - 09:00 AM |  | WEBINAR: 21 CFR Part 11 Data integrity for On-Line TOC instrumentation | Tony Harrison<br>Senior Marketing Manager, Beckman Coulter                                                                                                                                                                          |