



Orlando, Florida
March 10-12
Renaissance Orlando



HTRS 2023
SCIENTIFIC SYMPOSIUM

HTRS 2023 Scientific Symposium
Schedule of Events

Day 1: Friday, March 10, 2023		
10:00 AM - 8:35 PM	Registration <i>Oceans Ballroom Foyer</i>	
11:30 AM - 12:55 PM	Exclusive Takeda Lunch Satellite Symposium <i>Room: Crystal C</i> <i>One (1) General Session</i>	
12:55 PM - 1:00 PM	Friday Opening Remarks	
1:00 PM - 2:30 PM	Scientific Session 1: "Radio HTRS" <i>Three (3) Concurrents:</i>	
	1-A Basic Science: "Science Friday" <i>Room: Oceans 7-12</i> Moderators: Alisa S. Wolberg, PhD, and James Luyendyk, PhD Gowthami Arepally, MD Duke University Medical Center Robert H. Lee, PhD University of North Carolina Jordan A. Shavit, MD, PhD University of Michigan	1-B Clinical Science: "Wait Up, HTRS – Sports Participation When There is a Risk for Bleeding" <i>Room: Crystal D</i> Moderators: Arash Mahajerin, MD, MSCr, and Shannon L. Carpenter, MD, MS Jennifer G. Davila, MD Children's Hospital at Montefiore Stephan Moll, MD University of North Carolina School of Medicine
		1-C Translational Science: "All Things Considered" <i>Room: Crystal E</i> Moderators: Vera Ignjatovic, PhD, EMBA, OLY, and Amy L. Dunn, MD Susan R. Kahn, MD MSc McGill University Guy Young, MD Children's Hospital Los Angeles
2:30 PM - 2:55 PM	Coffee Break <i>Exhibit Hall: Oceans 1-6</i>	
2:55 PM - 3:00 PM	<i>Transition to Session</i>	
3:00 PM - 4:30 PM	Scientific Session 2: H & T at the Bedside and Bench <i>Three (3) Concurrents:</i>	
	2-A "Sticks and Stones: Hemophilia and Bone Health" <i>Room: Oceans 7-12</i> Moderators: Christine L. Kempton, MD, MSc and Michele Salinas, BSN, RN, MSN, CPNP-PC Cindy Bailey, PT, DPT, OCS, SCS, ATC Los Angeles Orthopaedic Hemophilia Treatment Center Rajiv K. Pruthi, MBBS Mayo Clinic Beth Warren, MD University of Colorado Anschutz Medical Campus	2-B "How I Treat/Manage: Bridging Science to Clinical Care" <i>Room: Crystal D</i> Moderators: Hilary B. Whitworth, MD, and Madhvi Rajpurkar, MD Riten Kumar, MD, MSc Harvard Medical School Eric S. Mullins, MD Cincinnati Children's Hospital Medical Center
		2-C "Omics" Boot Camp <i>Room: Crystal E</i> Moderators: Joseph Aslan, PhD, and Stéphanie E. Reitsma, PhD Joseph Aslan, PhD Oregon Health & Science University Jennifer E. Huffman, MS, PhD VA Boston Healthcare System
4:30 PM - 5:30 PM	Welcome Reception <i>Exhibit Hall: Oceans 1-6</i>	
5:30 PM - 5:35 PM	<i>Transition to Session</i>	
5:35 PM - 7:05 PM	Scientific Session 3: Plenary Session "Do We Dare to DOAC?" <i>Room: Oceans 7-12</i> Moderators: Ayesha N. Zia, MD, MSCS, and Bethany T. Samuelson Bannow, MD Stephan Moll, MD University of North Carolina School of Medicine Mark Crowther, MD MSc FRCP FRSC McMaster University Tom DeLoughery, MD Oregon Health & Science University	
7:05 PM - 8:35 PM	Friday Evening Event: HTRS / Genentech "Best of HTRS 2023" <i>Exhibit Hall: Oceans 1-6</i> <i>Speed Networking Session featuring HTRS Award Recipients (Abstract Awards, Student Research Awards, Mid-Career Research Award, etc)</i>	
7:05 PM - 8:35 PM	Dinner Satellite Symposia <i>Two (2) Concurrents</i>	Pfizer Dinner Symposium <i>Room: Crystal AB</i> Novo Nordisk Dinner Symposium <i>Room: Crystal C</i>

Day 2: Saturday, March 11, 2023

7:00 AM - 5:00 PM	Registration <i>Oceans Ballroom Foyer</i>		
7:00 AM - 8:20 AM	Breakfast Satellite Symposia <i>Two (2) Concurrents</i>	Sanofi Breakfast Symposium <i>Room: Crystal AB</i>	CSL Behring Breakfast Symposium <i>Room: Crystal C</i>
7:00 AM - 8:20 AM	Continental Breakfast/Exhibits <i>Exhibit Hall: Oceans 1-6</i>		
8:20 AM - 8:25 AM	<i>Transition to Session</i>		
8:25 AM - 8:30 AM	Saturday Opening Remarks <i>Room: Oceans 7-12</i>		
8:30 AM - 9:30 AM	Scientific Session 4: Plenary Session "VWF Biology" <i>Room: Oceans 7-12</i> Moderators: Karl Desch, MD, and Veronica H. Flood, MD Nathan Connell, MD, MPH Brigham and Women's Hospital, Harvard Medical School Karen Vanhoorelbeke, PhD KU Leuven X. Long L. Zheng, MD, PhD The University of Kansas Medical Center		
9:30 AM - 10:25 AM	PhD / ConECCTOR Career Network Session <i>Room: Palani</i>	Fellows Network Networking Session <i>Room: Fantail</i>	Coffee Break / Exhibits / Open Networking <i>Exhibit Hall: Oceans 1-6</i>
10:25 AM - 10:30 AM	<i>Transition to Session</i>		
10:30 AM - 11:30 AM	Scientific Session 5: Plenary Session State-of-the-Art-Lecture: "VITT, COVID-thrombosis, and Long COVID" <i>Room: Oceans 7-12</i> Moderators: Ravindra Sarode, MD, and Mary Cushman, MD, MSc Menaka Pai, MSc MD FRCP McMaster University Jasimuddin Ahamed, PhD Oklahoma Medical Research Foundation		
11:30 AM - 1:00 PM	Exclusive Genentech Lunch Satellite Symposium <i>Room: Crystal AB</i> <i>One (1) General Session</i>		
11:30 AM - 1:00 PM	Lunch on Own / Exhibits <i>Exhibit Hall: Oceans 1-6</i>		
1:00 PM - 2:30 PM	Scientific Session 6: Oral Abstract Presentations <i>Two (2) Concurrents:</i>		
	6-A Disorders of Hemostasis <i>Room: Oceans 7-12</i> Moderators: Ravindra Sarode, MD, and Natasha S. Bala, MD 1) Natasha S. Bala, MD <i>Mobile Application Measurement of Menstrual Cycle Characteristics and its Association with Dysmenorrhea and Activity Limitation in Early Adolescents</i> 2) Stephanie E. Reitsma, PhD <i>Proteomic Analysis Reveals Proteins that are Differently Expressed in Factor XI-Deficient Non-Bleeders and Bleeders</i> 3) Sally Azer, MD <i>Leveraging Quantitative Platelet Adhesion and Platelet Geometry-Sensing Assays to Evaluate Platelet Function in type 1 von Willebrand Disease</i> 4) Alexandre Soares Ferreira Junior <i>Identification of Major Bleeding Depends on the Definition: An Analysis of the Recipient Epidemiology and Donor Evaluation Study (REDS-III) Database</i>	6-B: Coagulation / Basic <i>Room: Crystal D</i> Moderators: Indranil Biswas, PhD, and Jordan A. Shavit, MD, PhD 1) James Luyendyk, PhD <i>FXIII-mediated cross-linking of hepatic fibrin is a critical driver of platelet accumulation and liver regeneration after partial hepatectomy.</i> 2) Vladimir N. Kolyadko, PhD <i>Allosteric Regulation of Coagulation Factor IXa</i> 3) Indranil Biswas, PhD <i>Interaction of antithrombin with vascular GAGs is required for its anti-inflammatory signaling but not anticoagulant protease-inhibitory function</i> 4) Ziyu Zhang, MD <i>FVIII deficiency leads to lower atherogenic apoB-lipoprotein and higher fibrinolysis</i>	
2:30 PM - 2:55 PM	<i>Coffee Break / Exhibits</i> <i>Exhibit Hall: Oceans 1-6</i>		
2:55 PM - 3:00 PM	<i>Transition to Session</i>		
3:00 PM - 4:30 PM	Scientific Session 7: Hemostasis and Thrombosis in Special Populations <i>Three (3) Concurrents:</i>		
	7-A Pregnancy <i>Room: Oceans 7-12</i> Moderators: Andra James, MD, and Lauren Amos, MD Rachel P. Rosovsky, MD, MPH Massachusetts General Hospital and Harvard Medical School Homa K. Ahmadzia, MD, MPH George Washington University	7-B Sickle Cell Disease <i>Room: Crystal D</i> Moderators: Mary B. Lesh, CPNP-PC, MSN, RN, and Christina Caruso, MD Lydia Pecker, MD Johns Hopkins University Rafal Pawlinski, PhD University of North Carolina at Chapel Hill	7-C Pediatrics <i>Room: Crystal E</i> Moderators: Katherine Regling, DO, and Bryce Kerlin, MD Katherine Regling, DO Central Michigan University Nicole Kucine, MD, MS Weill Cornell Medicine Glaivy Batsuli, MD Emory University
4:30 PM - 5:30 PM	Networking Reception / Exhibits <i>Exhibit Hall: Oceans 1-6</i>		
6:30 PM	<i>Travel to Offsite Evening Event at Discovery Cove (separate ticket required)</i>		
7:00 PM - 10:00 PM	SATURDAY EVENING EVENT: HTRS AWARDS DINNER <i>Offsite dinner at Discovery Cove, which will feature the HTRS Awards program and talent show</i>		

Day 3: Sunday, March 12, 2023

7:00 AM - 12:00 PM	Registration Oceans Ballroom Foyer		
7:00 AM - 8:00 AM	Breakfast Satellite Symposia Two (2) Concurrents	Sanofi Breakfast Symposium Room: Crystal AB	BioMarin Breakfast Symposium Room: Crystal C
7:00 AM - 8:00 AM	Continental Breakfast/Exhibits Exhibit Hall: Oceans 1-6		
8:00 AM - 8:05 AM	Transition to Session		
8:05 AM - 8:10 AM	Sunday Opening Remarks		
8:10 AM - 9:40 AM	Scientific Session 8: Oral Abstract Presentations Three (3) Concurrents:		
	8-A Venous Thromboembolism/TMA Room: Oceans 7-12 Moderator: Lisa Baumann Kreuziger, MD; and Clayton Habiger, MD 1) Mugdha Rairikar, MD <i>Plasmin (PLASMIK) Score for Pediatric Thrombotic Thrombocytopenic Purpura</i> 2) Mackenzie Parker, BS <i>Exercise Capacity is Reduced in Children and Adolescents Following Pulmonary Embolism</i> 3) Mary Dang, MD <i>Bringing PERT to Pediatrics: Implementing and Examining Outcomes of the First Pediatric Pulmonary Embolism Response Team (PERT)</i> 4) Clayton Habiger, MD <i>Proton Pump Inhibitors are an Additive Risk Factor for Hormonal Contraception Related Thrombosis</i>	8-B Platelets/RBCs Room: Crystal D Moderator: Brandi Reeves, MD; and Jessica Garcia, MD 1) Brandi Reeves, MD <i>HIF-1 Inhibition Attenuates Venous Thrombosis in JAK2V617F Transgenic Mice</i> 2) Saravanan Subramaniam <i>Proteome and phosphoproteome analyses of SARS-CoV-2 infected humanized ACE2 mice platelets reveal early hyperactive and late antiviral phenotypes</i> 3) Pengfei Liang, PhD <i>Elucidating the Molecular Mechanism of Excessive Phosphatidylinositol Exposure in Sickle Red Cells</i> 4) Pares P. Kulkarni, MBBS, MD, PhD <i>Fatty acid oxidation fuels agonist-induced platelet activation and thrombus formation: Targeting beta-oxidation of fatty acids as an effective anti-platelet strategy</i>	8-C Industry Research (Non-CME) Room: Crystal E Moderator: Allison P. Wheeler, MD, MSCI, and Shannon L. Meeks, MD, MBA 1) Allison P. Wheeler, MD, MSCI <i>Subcutaneous Concizumab Prophylaxis in Patients with Hemophilia A or B with Inhibitors: Efficacy, Safety, and Physical Activity Score, Primary Analysis from the Phase 3 Explorer7 Trial</i> 2) Amina Rafique, MD <i>Eptacog Beta Efficacy and Safety in Underweight, Normal Weight, and Overweight/Obese Persons with Hemophilia A or B and Inhibitors</i> 3) Amanda Wilson, MPH PhD <i>Efficacy of Eftanesoctocog Alfa on Physical Functioning: Results From the XTEND-1 Phase 3 Clinical Trial in Previously Treated Patients With Hemophilia A</i> 4) Karen Thibaudeau, PhD <i>Subject with Infertility due to congenital Plasminogen Deficiency type 1: Results of Plasminogen Replacement Therapy and Impact of Varying Dosage Regimen During Treatment and Maintenance Phases</i>
9:40 AM - 10:40 AM	Scientific Session 9: Speed Poster Session Speed Videos to be played after Oral Abstract Presentations		
	Basic / Clinical / Translation Research (CME) Room: Oceans 7-12		Industry Research (Non-CME) Room: Crystal E
10:40 AM - 10:45 AM	Transition to Exhibit Hall		
10:45 AM - 11:45 AM	In-Person Poster Session Reception in Exhibit Hall Exhibit Hall: Oceans 1-6		
	Platelets, VWF and Associated Disorders 1) Eric N. Thompson, BS <i>"Comparison of light transmission and whole blood lumiaggregometry in evaluation of pediatric patients for platelet function disorders"</i> 2) Ekrem G. Turk, MD <i>"The effect of immune thrombocytopenia in hospitalized pulmonary embolism patients : A nationwide analysis"</i> 3) Deirdre Nolfi-Donagan, MD <i>"HMGB1 Contributes to Platelet Activation in Sickle Cell Disease Through Enhancement of Purinergic Signaling"</i> 4) Dylan T. Bertovich <i>"Characterization of the Binding Interaction Between Factor XII and Integrin αIIbβ3"</i> 5) Gabriella Nguyen, MD <i>"Macrothrombocytopenia, significantly elevated IPF, and severe epistaxis mistaken for ITP: a case report of GNE-related thrombocytopenia"</i> 6) Pamela A. Christopherson <i>"Characterization and Expression of Atypical Type 2B Variants in the Zimmerman Program"</i>	Hemophilia, Rare and Other Bleeding Disorders 1) Shin-Rong J. Wu, MD, PhD <i>"Will My Patient Bleed? Management and Outcomes for Patients with Severe FXI Deficiency"</i> 2) Steven Lentz, MD, PhD <i>"Mim8 Clinical Development Program: An Overview of FRONTIER Studies With Results From a Multiple Ascending Dose Study of Mim8 in Patients With Severe Hemophilia A With or Without Factor VIII Inhibitors"</i> 3) Claudio Sandoval, MD <i>"F8 Variants in Women and Girls Evaluated for Hemophilia A"</i> 4) Roshni Kulkarni <i>"Impact of Eftanesoctocog Alfa Prophylaxis on Pain in Previously Treated Patients with Hemophilia A: Results from the XTEND-1 Phase 3 Study"</i> 5) Andrew Picca, DO <i>"Joint Surveillance with Ultrasound in Pediatric Hemophilia A Patients on Emicizumab: A Single Institution Retrospective Review"</i> 6) Brian Branchford, MD <i>"Burden of Disease and Impact on Quality of Life in Hereditary Factor X Deficiency Patients Who Have Experienced Menorrhagia: Findings From the Hereditary Factor X Deficiency in America Survey"</i> 7) Brian Branchford, MD <i>"Burden of Disease and Impact on Quality of Life in Hereditary Factor X Deficiency Patients Receiving Prophylaxis: Findings From the Hereditary Factor X Deficiency in America Survey"</i> 8) Pratik Bhagunde <i>"A Population Pharmacokinetic (PopPK) Model to Characterize Eftanesoctocog Alfa (BIVV001) Factor VIII (FVIII) Activity Levels in Patients With Severe Hemophilia A"</i> 9) Guy Young, MD <i>"Fitusiran Prophylaxis Demonstrates Sustained Bleed Protection in People with Hemophilia A or B: An Exploratory Analysis of Antithrombin Levels and Peak Thrombin Generation from Three Phase 3 Trials"</i> 10) Callie Berkowitz, MD <i>"Structured Assessments and Clinical Phenotypes in Bleeding of Unknown Cause"</i> 11) Yasuharu Nishida, MD, PhD <i>"Personalized Prophylaxis with Simoctocog Alfa in Adult Japanese Previously Treated Patients with Severe Hemophilia A"</i>	12) Akshat Jain, MD, MPH <i>"Reactivation of factor 8 inhibitor on emicizumab prophylaxis in a previously tolerized patient"</i> 13) Morgan Hresko, BS, MSc <i>"Off-target toxicity of CART cell therapy in murine Hemophilia A with inhibitors"</i> 14) Pooja Vijayvargiya, MD <i>"A Case of Thrombosis in Acquired Hemophilia A"</i> 15) Allison P. Wheeler, MD <i>"Treatment Burden, Patient Preference, and Health-Related Quality of Life in Patients With Hemophilia A or B With Inhibitors on Concizumab Prophylaxis: Results From the Phase 3 Explorer7 Study"</i> 16) Thomas R. Cochran, MD <i>"Prevalence of Iron Deficiency in Patients with Inherited Bleeding Disorders"</i> 17) Jessica Garcia, MD <i>"Serious Breakthrough Bleeds in Patients with Severe Hemophilia A With and Without an Inhibitor on Emicizumab Prophylaxis"</i> 18) Jessica Garcia, MD <i>"Pediatric Persons with Hemophilia A on EHL-FVIII or Emicizumab Prophylaxis Require Iron therapy Despite Low Annualized Bleeding Rate"</i> 19) Elizabeth Ibiyoye, MPH, MS <i>"Treatment Burden and Unmet Needs in Hemophilia Patients with Inhibitors: Results From a Real-World Observational Study in the United States"</i> 20) Emily Cibelli, PhD <i>"Common Documentation Errors in the Electronic Health Records of Persons with Hemophilia B"</i> 21) Katherine Regling, DO <i>"Successful orthotopic cardiac transplantation in a child with severe hemophilia A and history of low titer inhibitor."</i> 22) Maissa Janbain, MD <i>"Evaluating the Effectiveness and Safety of Damoctocog Alfa Pegol Prophylaxis in Hemophilia A Patients with a History of Factor VIII Inhibitors from the Real-World HEM-POWR Study"</i>

Day 3: Sunday, March 12, 2023 - Continued

10: 45 AM - 11:45 AM	In-Person Poster Session Reception in Exhibit Hall - Continued Exhibit Hall: Oceans 1-6		
	<p>Women's Health and Pediatric Hemostasis/Thrombosis</p> <p>1) Elizabeth Stone, BS Student "Iron Deficiency in a Large Pediatric Comprehensive Bleeding Disorders Clinic: Current Screening Practice and Iron Deficiency Prevalence"</p> <p>2) Robert W. Deering, PharmD, PhD "Clinical Outcomes in Patients with Acute Hepatic Porphyria Treated with Givosiran Who Stopped Hemin Prophylaxis at Study Entry: Post hoc Analyses from the Phase 3 ENVISION Study Through Month 36"</p> <p>3) Annabel K. Frank, MD "Using Anti-Xa Monitoring to Manage Anticoagulation for Mechanical Heart Valves During Pregnancy"</p> <p>4) Nidhi Bhatt, MD "EAGeR (Empower Adolescent Girls): a multidisciplinary approach to iron deficiency anemia related to Heavy Menstrual Bleeding"</p> <p>5) Sarah Mitchell, Medical Student "Screening for abnormal uterine bleeding in adolescents presenting to primary care clinics"</p> <p>6) Megan Ebner, BS Student "Correlation of Non-Invasive Hemoglobin Measurement with Bleeding During Cesarean Delivery: The PPHgb Study"</p> <p>7) Niavana M. Salas, BSN "Descriptive Analysis of a Pediatric Anticoagulation Stewardship Initiative to Improve Anticoagulation Safety: A Quality Improvement Project"</p>	<p>Venous, Arterial and Immunothrombosis, and Diagnostics</p> <p>1) Khalidun Obeidat, MD "Effect of Heparin Induced Thrombocytopenia on Outcomes of Pulmonary Embolism: A nationwide Inpatient Sample Study"</p> <p>2) Rushad Machhi, MD "Improving judicious use of Heparin induced thrombocytopenia laboratory testing using a clinician decision support tool"</p> <p>3) Karlyn A. Martin, MD, MS "Identifying Barriers and Facilitators to Inform Implementation Strategies for Venous Thromboembolism Prevention in Oncology Practice Using the Implementation Research Logic Model"</p> <p>4) Karlyn A. Martin, MD, MS "DOAC compared with warfarin for VTE in underweight patients: a retrospective cohort study conducted through the VENUS network"</p> <p>5) Youssef Soliman, MBChB candidate "Safety and Efficacy of Direct Oral Anticoagulants in Secondary Prevention of Thrombosis in Antiphospholipid Syndrome: An Updated Systematic Review and Meta-analysis"</p> <p>6) Shiva Jashwanth Gaddam, MD "Association of Body Mass Index and Risk of Recurrent Venous Thromboembolic Events with Direct-acting Oral Anticoagulants: A Single-Center Observational Analysis"</p> <p>7) Vaishali Deenadayalan, MD "Outcomes of Pulmonary Embolism in Patients with Autoimmune Hemolytic Anemia: A National Inpatient Sample (NIS) study"</p> <p>8) Lydia L. Sandy, MD "Pediatric Patients Diagnosed with a Pulmonary Embolism Are More Likely to Be Diagnosed with Dyspnea Three or More Months After Diagnosis: a Population-based Analysis"</p> <p>9) Samantha Judd, BS, MBA "Inflammation leads to short-term GAS6 elevation followed by longer-term MERTK increase, but does not influence protein S levels, in murine plasma"</p> <p>10) Shihui Guo, PhD "Endothelial ERp46 supports tissue factor activity"</p> <p>11) Anne K. Hubben, MD "Platelet-associated Beta-2 Glycoprotein 1 Inhibits Agonist-induced Platelet Activation which is Relieved by Proteolytic Cleavage"</p>	<p>12) Rushad Patell, MBBS "Perceptions on the potential for artificial intelligence to improve venous thromboembolism prevention"</p> <p>13) Konstantine Halkidis, MD, PhD "Antibody Mediated Pathophysiology of Immune Thrombotic Thrombocytopenic Purpura"</p> <p>14) Ravi Sarode, MD "Using Heparin-Calibrated Assays to Estimate Anti-Factor Xa Activity of Factor Xa Inhibitors: Correlation Analysis of Published Data"</p> <p>15) Akshee Batra, MBBS "Rituximab in the Treatment of Refractory Heparin Induced Thrombocytopenia"</p> <p>16) Sonja Stutzman, PhD "Functional characterization of Children with Pulmonary Embolism: Design and Rationale of FUViD – A Prospective Observational Multicenter Cohort Study"</p> <p>17) Maierdan Pallhati, MD "Purification and Verification of Recombinant β2GPI Expressed in GP2-293 (HEK) Cells"</p> <p>18) Vilmarie Rodriguez, MD, MS "Improving anticoagulation care for pediatric oncology patients"</p> <p>19) Kyra L. McCarty, DO "Rivaroxaban for Treatment of Acute Venous Thromboembolism and Thromboprophylaxis in Pediatric Patients with Sickle Cell Disease: A Case Series"</p> <p>20) Andrew C. Tiu, MD "Systematic Review of Global Hemostasis Assays in Myeloproliferative Neoplasms: Promising Tools for Biomarkers for Hypercoagulability"</p> <p>21) Yakun Zhao "Multi-ancestry GWAS for Venous Thromboembolism Identifies Novel Loci After Validation in Zebrafish"</p>
11:50 AM - 1:20 PM	Scientific Session 10: Bench, Clinic, and Everything In Between Two (2) Concurrents:		
	<p>10-A "Connecting Megakaryocyte and Platelet Biology to the Clinic" Room: Oceans 7-12</p> <p>Moderators: Kristina M. Haley, DO; and Kellie Machlus, PhD</p> <p>Kristina M. Haley, DO Oregon Health & Science University</p> <p>Brian R. Branchford, MD Versiti</p> <p>Renhao Li, PhD Emory University</p>	<p>10-B "Trauma Induced Coagulopathy: Mechanisms and Management" Room: Crystal D</p> <p>Moderators: Jessica C. Cardenas, PhD; and Ze Zheng, MBBS, PhD</p> <p>Jessica C. Cardenas, PhD University of Texas Health Science Center at Houston</p> <p>Mitchell Cohen, MD UCHHealth - Anschutz Medical Campus</p> <p>Jing Fei Dong, MD, PhD Bloodworks Research Institute/University of Washington</p>	
1:20 PM - 1:30 PM	Sunday Closing Remarks		
1:30 PM - 2:30 PM	<p>Lunch Satellite Symposia Two (2) Concurrents</p>	<p>Kedrion Lunch Symposium Room: Crystal AB</p>	<p>PER Lunch Symposium Room: Crystal C This educational program is provided by Physicians' Education Resource (PER) and sponsored by an educational grant from CSL Behring LLC.</p>