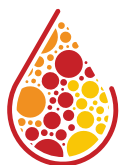




Thursday November 14, 2024			
6:00 pm	Welcome Reception		
Friday November 15, 2024 Sessions 7:30 am - 9:00 pm			
7:30 am	Sunrise Seminar: Technical Formulation Challenges & Continental Breakfast		
8:00 am	Exhibitor Setup		
8:30 am	Welcome & Introductions <i>Allan Doctor, Jonathan Jahr</i>		
9:30 am	Opening Session <i>ISBS Honorary President, Thomas Ming Swi Chang</i> <i>ISBS Immediate Past Presidents, Prof Sakai, Prof Yang</i>		
10:40 am	Break & Exhibits		
11:00 am	Program Orientation <i>Introduction to Oxygen Carriers Track, Andre Palmer</i> <i>Introduction to Plasma Track, Shibani Pati</i> <i>Introduction to Platelet Track, Anirban Sen Gupta</i>		
12:30 pm	Lunch & Exhibits		
2:00 pm	Oxygen Carriers Basic Science <ul style="list-style-type: none"> · Hb and HBOC Biochemistry, <i>Chris Cooper</i> · Hemoglobin – Encapsulated HBOCs (Benefits and Risks), <i>Hiromi Sakai</i> 	Plasma Basic Science <ul style="list-style-type: none"> · TBD, <i>Jessica Cardenas</i> · Regenerating the Brain and Organs in Trauma with Plasma and Plasma Derived Products, <i>Shibani Pati</i> 	Platelets Basic Science <ul style="list-style-type: none"> · Platelets in Haemostasis: Basic Mechanisms and Biochemistry, <i>Wolfgang Bergmeier</i> · Platelets Beyond Haemostasis: Inflammation and Immune Functions, <i>Julie Rayes</i>
3:30 pm	Break & Exhibits		
3:45 pm	Oxygen Carriers Technical Formulation Approaches <ul style="list-style-type: none"> · Metal-Organic Framework-Based Oxygen Carriers, <i>Leticia Hosta-Rigau</i> · HBOC Design Using Protein Engineering, <i>Leif Bulow</i> · Stem Cell-Derived RBCs <i>TBD</i> 	Plasma Technical Formulation Approaches <ul style="list-style-type: none"> · The Challenges of Producing a Lyophilized Plasma Product, <i>Adam Gerber</i> · The Regulatory Challenges of Producing Dried Blood Components, <i>Toby Sliverman</i> · The Need for Incorporation of Pathogen Reduction into the Development of Novel Blood Products, <i>Alison Nair</i> 	Platelets Technical Formulation Approaches <ul style="list-style-type: none"> · Platelets from Stem Cells: Current State-of-the-Art, <i>Cedric Ghevaert</i> · Cold Platelets: License to Chill, <i>Andre Cap</i> · Freeze-dried Platelets, <i>Mike Fitzpatrick</i>



Friday November 15, 2024 (cont)			
5:30 pm	Poster Presentation / Reception / Exhibits		
7:00 - 9:00 pm	<p>Oxygen Carriers</p> <ul style="list-style-type: none"> • O2 Carrier Cardiac Effects and Solutions - 1st Session • Chairs: <i>TMS Chang/ T Estep</i> • Speakers: TBN 	<p>Oral Abstracts Oxygen Carriers</p> <ul style="list-style-type: none"> • (Selected) Oral Abstracts • O2 Carriers 	<p>Oral Abstracts Hemostatic Agents</p> <ul style="list-style-type: none"> • (Selected) Oral Abstracts • Hemostatic Agents
Saturday November 16, 2024 Sessions 7:30 am - 9:30 pm			
7:30 am	Sunrise Seminar: Defining Potency & Continental Breakfast		
8:30 am	<p>Plenary Lectures</p> <p><i>Multifunctional Resuscitation Fluids, Allan Doctor</i></p> <p><i>Safety – Oxygen Carriers, Abdu I. Alayash</i></p> <p><i>Safety – Hemostasis</i></p>		
10:00 am	Break & Exhibits		
10:15 am	<p>Updates on Bio-Synthetic Blood Components</p> <p><i>Recombinant Hbs With Enhanced Oxidative Stability, Brandon Reeder</i></p> <p><i>Site Specific Cross-Linked Hbs, Ronald Kluger</i></p> <p><i>Fractionated Polymerized Hbs, Andre Palmer</i></p> <p><i>Plasma Products State of the Science and New Developments, Anthony Pusateri</i></p> <p><i>Platelet Mimetics, Anirban Sen Gupta</i></p>		
12:00 pm	Lunch & Exhibits		
1:30 pm	<p>Oxygen Carriers Translational Science</p> <ul style="list-style-type: none"> • Microvascular Response to HBOCs, <i>Pedro Cabrales</i> • Development of Biomarkers to Identify Safety Signals in Exploratory Toxicology Studies, <i>Felice D'Agnillo</i> • Measurement of Tissue Oxygenation in Response to Oxygen Carriers, <i>Paul Buehler</i> 	<p>Plasma Translational Science</p> <ul style="list-style-type: none"> • Plasma Transfusion in TBI- Pre-Clinical to Clinical Science, <i>Hasan Alam</i> • The Regenerative Properties of Platelet Rich Plasma in Orthopedic Injuries, <i>Jeff Schupp</i> • TBD, <i>Rosemary Kozar</i> 	<p>Platelets Translational Science</p> <ul style="list-style-type: none"> • Clinical Findings with Cold Platelets • Artificial Platelets: History and Current Status, <i>Anirban Sen Gupta</i> • Mechanobiology of Platelets: Mimicry, Preclinical Evaluation and Clinical Implications, <i>Ashley Brown</i>
3:00 pm	Break & Exhibits		



Saturday November 16, 2024 (cont)			
3:15 pm	<p>Oxygen Carriers Potency</p> <ul style="list-style-type: none"> • In Vitro Models of HBOC Potency, <i>Steven Rogers</i> • HBOC Impact Upon Vasoactive Effectors, Rheology and Blood Flow, <i>Dany Kim-Shapiro</i> 	<p>Plasma & Plasma Product Potency</p> <ul style="list-style-type: none"> • Regulatory Aspects of Developing Novel Plasma and Platelets Products: Thoughts on Potency Measures, <i>Toby Silverman</i> • Challenges of Defining and Interpreting Hemostatic Potency Measures 	<p>Platelet Potency</p> <ul style="list-style-type: none"> • Hemostatic Deficit, Potency Assessment and Precision Transfusion, <i>Matthew Neal</i> • Trauma-Induced Platelet Dysfunction, <i>Paul Vulliamy</i> • Platelets in TBI, <i>Michael Goodman</i>
4:45 pm	Break & Exhibits		
5:00 pm	<p>Plenary Lecture: <i>Microcirculation, P Cabrales</i></p> <p>Panel Discussion: <i>Microcirculation Forum</i></p>		
6:15 pm	Poster Presentation / Reception / Exhibits		
7:30 - 9:30 pm	<p>Oxygen Carriers</p> <ul style="list-style-type: none"> • O2 Carrier Cardiac Effects and Solutions – 2nd Session • Chairs: <i>TMS Chang/T Estep</i> • Speakers: TBN 	<p>Oral Abstracts Oxygen Carriers</p> <ul style="list-style-type: none"> • (Selected) Oral Abstracts • O2 Carriers 	<p>Oral Abstracts Hemostatic Agents</p> <ul style="list-style-type: none"> • (Selected) Oral Abstracts • Hemostatic Agents
Sunday November 17, 2024 Sessions 7:30 am - 6:00 pm			
7:30 am	Sunrise Seminar: Defining Efficacy & Continental Breakfast		
8:30 am	<p>Plenary Lectures</p> <p><i>Hemostasis Platelets Non Traditional Indications</i></p>		
10:00 am	Break & Exhibits		
10:15 am	Oxygen Carriers/Perfluorocarbons		
12:00 pm	Lunch & Exhibits		
1:30 pm	<p>Oxygen Carriers Clinical Science</p> <ul style="list-style-type: none"> • Failed Products Lessons Learned: Current Product Issues In Humans and Future Directions, <i>Jonathan Jahr</i> • Clinical Applications of HBOCs, <i>Jerold Levy</i> 	<p>Plasma Clinical Science Prehospital</p> <ul style="list-style-type: none"> • Use of Plasma Derived Products in Trauma and TBI (Kcentra, Cryoprecipitate and Fibrinogen, <i>Deborah Stein</i> • Designing Clinical Trials for Pre-Hospital Plasma Product Use, <i>Jan Jansen</i> 	<p>Platelet Clinical Science</p> <ul style="list-style-type: none"> • <i>Nicole Juffermans</i> • <i>Lucy Kornblith</i> • <i>Pampee Young</i> (Red Cross Experience)



Sunday November 17, 2024 (cont)			
3:00 pm	Break & Exhibits		
3:15 pm	<p>Oxygen Carriers Efficacy: Ex Vivo Organ Support</p> <ul style="list-style-type: none"> • Chairs: <i>Zal/Light</i> • Hemarina For Organ Preservation, <i>Franck Zal</i> • High Molecular Weight PolyHb For Lung Perfusion, <i>Bryan Whitson</i> • PFCs For Kidney and Heart Perfusion, <i>Ferenz</i> 	<p>Plasma Efficacy</p> <ul style="list-style-type: none"> • Pre Hospital and In Hospital Whole Blood vs Components: Pre-Clinical to Clinical Science, <i>Martin Schreiber</i> • Plasma and Plasma Derived Products Transfusion for Hemostasis in Liver Transplantation, <i>Seth Karp</i> • Prehospital Plasma in Trauma Patients, <i>Jason Sperry</i> 	<p>Platelet Efficacy</p> <ul style="list-style-type: none"> • PROPPR experience With Platelet Transfusion, <i>John Holcomb</i>
3:30 pm	Exhibitor Dismantle		
5:00 pm	Panel Discussion: Ex Vivo Organ Perfusion		
6:00 pm	Reception		
6:30 pm	Banquet Dinner		
Monday November 18, 2024 Sessions 7:30 am - 11:30 am			
7:30 am	Sunrise Seminar: Industry Spotlight & Continental Breakfast		
8:30 am	<p>Presidential Lecture</p> <p><i>BioSynthetic Blood Components: Use Case and Approaches to Clinical Trial Design, Phil Spinella</i></p>		
10:00 am	Break		
10:15 am	<p>Regulatory Update</p> <p>Regulatory Forum & Stakeholder Panel</p>		
11:30 am	Closing Remarks/Conference Concludes		