

The University of Pittsburgh's Trauma and Transfusion Medicine Research Program, Center for Military Medicine Research, McGowan Institute for Regenerative Medicine, in partnership with Trauma Hemostasis and Oxygenation Research, are proud to announce:



HERETIC

The **HE**mostatic **RE**suscitation and **T**rauma
Induced **CO**agulopathy Conference

Special thanks to our sponsors:



HEmostatic RESuscitation and Trauma Induced Coagulopathy (HERETIC) Symposium

CMMR/TTMRC/THOR

October 11 and 12, 2022

Wyndham Pittsburgh University Center, Pittsburgh, PA

Day 1 – October 11, 2022		
Time	Title	Speakers (star indicates invited but not yet confirmed)
7:00 – 8:00	Continental Breakfast	
8:00 – 8:05	Conference Introduction	Dr. Anantha Shekhar
8:05 – 8:35	Epidemiology, Outcomes, and Gaps in Knowledge for Traumatic Bleeding in Adults	Dr. Jason Sperry
8:35 – 8:55	Epidemiology, Outcomes, and Gaps in Knowledge for Traumatic Bleeding in Children and Pregnant Women	Dr. Christine Leeper
8:55 – 9:10	Open Forum Discussion	Moderator: Dr. Philip Spinella
9:10 – 9:50	Panel discussion: What Educational or Bioengineering Breakthroughs do Prehospital and Hospital-Based Providers Need to Improve Care?	Moderator: COL Jennifer Gurney and Dr. Joshua Brown Panel: Mr. Eric Bank and Drs. Geir Strandenes, Gene Moore, Donald Jenkins, and Martin Schreiber
9:50 – 10:00	Coffee Break	
10:00 – 10:10	TTMRC Overview and the Goals of Precision Medicine	Drs. Philip Spinella and Matthew Neal
10:10 – 10:55	Clinical decision making with and without RCTs: A matter of risk-benefit?	Dr. Aliko Thomas Moderator: Dr. Roger Lewis
10:55 – 11:40	Adaptive Trial Design/Platform and Other Adaptive Methods	Dr. Roger Lewis
11:40 – 12:40	Lunch - Buffet	
12:40 – 1:00	Biology and Treatment of Endotheliopathy of Trauma	Dr. Shibani Pati
1:00 – 1:25	Biology and Treatment of TIC – Early-phase Response	Dr. Lucy Kornblith
1:25 – 1:50	Biology and Treatment of TIC – Late-phase Response	Dr. Matthew Neal
1:50 – 2:10	Trauma and Multiomics: Advantages, Advances, Opportunities	Dr. Timothy Billiar
2:10 – 2:30	LTOWB for Life-Threatening Bleeding	Dr. Philip Spinella
2:30 – 2:50	Rh+ LTOWB for All Life-Threatening Bleeding	Dr. Mark Yazer
2:50 – 3:05	Open Forum Discussion	Moderator: Dr. Matthew Neal
3:05 – 3:20	Coffee Break	
3:20 – 3:40	Current Evidence Regarding the Use of TXA for Traumatic Hemorrhage	Dr. Martin Schreiber
3:40 – 4:10	The Role of Post-injury Hypocalcemia	Dr. Gene Moore
4:10 – 4:50	Debate: Viscoelastic Testing is Superior to Conventional Lab-based Coagulation Testing for Hemostatic Monitoring during Hemorrhage	Moderator: Dr. Gene Moore Panel: Drs. Melissa Cushing (Pro) and Jeannie Callum (Con)
4:50 – 5:15	Implementation of Prehospital Blood Programs	Dr. Donald Jenkins
5:15 – 5:40	Emergency Preparedness for Mass-Casualty Events	Dr. Geir Strandenes
5:40 – 5:55	Open Forum Discussion	Moderator: Dr. Christine Leeper
6:00 – 8:00	Evening Reception – Heavy Hors d’oeuvres	



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Day 2 – October 12, 2022		
Time	Title	Speakers
7:00 – 8:00	Continental Breakfast	
8:00 – 8:30	Transformational Change in Combat Casualty Care Research	COL Andrew Cap
8:30 – 8:45	DHA Overview of Research Reorganization	BG Katherine Simonson
8:45 – 9:00	DHA Advanced Development Overview	Ms. Kathy Berst*
9:00 – 9:15	Combat Casualty Research Program	CDR Travis Polk
9:15 – 9:30	USAISR Transfusion Medicine Research Program Overview	COL Andrew Cap
9:30 – 9:45	NAMRU Transfusion Medicine Research Program Use of NHP	Dr. Anthony Pusateri
9:45 – 10:00	DARPA Transfusion Research Priorities and Funding Opportunities	CDR Jean-Paul Chretien
10:00 – 10:15	Open Forum Discussion	Moderator: Dr. Ron Poropatich
10:15 – 10:30	Coffee Break	
10:30 – 10:45	Program Overview of NHLBI Transfusion Research Priorities and Funding Opportunities	Dr. Andrei Kindzelski
10:45 – 11:00	BARDA Transfusion as MCM Research Priorities and Funding Opportunities	Dr. Mary Homer
11:00 – 11:20	The Biology of Threat X: Coagulation, inflammation, Immune and Endothelial Perturbations after Critical Injury and illness. Implications for Generalized Countermeasures and Personalized Medicine.	Dr. Mitchell Cohen
11:20 – 11:40	Trauma Care in a Rucksack	Dr. Ron Poropatich
11:40 – 11:55	Open Forum Discussion	Moderator: Dr. Philip Spinella
11:55 – 12:55	Lunch - Buffet	
12:55 – 1:20	Cold Platelets for Life-Threatening Bleeding	COL Andrew Cap
1:20 – 1:45	Current Status of Dried Plasma, Frozen Platelets, and Dried Platelets	Dr. Jeremy Cannon
1:45 – 2:10	Current Status of Platelet Mimetics and Pharming	Dr. Anirban Sen Gupta
2:10 – 2:35	Current Status of Oxygen Carriers and Hypoxic RBC Storage Solutions	Dr. Pedro Cabrales
2:35 – 2:55	Plasma Exchange for TIC	Dr. Jay Raval
2:55 – 3:20	Open Forum Discussion	Moderator: Dr. Pampee Young
3:20 – 3:35	Coffee Break	
3:35 – 4:00	Microfluidic Assays for Improved Accuracy of Hemostatic Capacity and Endothelial Function	Dr. Susan Shea
4:00 – 4:35	Panel Discussion: Bioengineering Advancements Needed to Improve Outcomes for Hemorrhagic Shock	Moderators: Drs. Susan Shea and Sanjeev Shroff Panel: Drs. Pedro Cabrales, Anirban Sen Gupta, William Federspiel, William Wagner, and Prashant Kumta
4:35 – 4:40	Conclusions	Drs. Ron Poropatich and Geir Strandenes

