



Sunday May 4

6:30 PM 8:00 PM **Welcome Reception - (Hors-d'oeuvres, dinner on your own)**

Monday May 5

Breakfast

Day 2 | Innovations in Transfusion Medicine and Cellular Therapeutics: Enhancing Outcomes in Trauma and Critical Care

Talks will focus on the intersection of transfusion medicine and regenerative medicine, highlighting advancements in blood-derived therapeutics, cellular therapies, and innovative regenerative products for treating acute and chronic conditions linked to trauma and critical illness. Attendees will gain valuable insights into how these innovations can significantly improve patient outcomes.

7:30 AM 7:35 AM **Welcome & Introductions**

Shibani Pati MD PhD

CTTACC Conference Chair; Director Center for Research in Transfusion Med and Cell Therapies; Vice Chair and Professor, UCSF

Session 1 | Topics in Trauma and Transfusion Medicine

Moderators: **Ernest "Gene" Moore MD FACS**, Distinguished Professor of Surgery, Ernest E Moore Shock Trauma Center at Denver Health

Susan Rowell MD, Professor of Surgery, Trauma and Acute Care Surgery, Director, Surgical Critical Care Fellowship Program, Co-Director, Adult Surgical Intensive Care Unit

7:35 AM 7:55 AM **Injury Mechanisms and Characteristics, Implications for Future Clinical Trial Planning**

Jason Sperry MD MPH FACS

Section Chief, Trauma Surgery; Professor of Surgery and Critical Care; Director of Acute Care Surgery Fellowship, University of Pittsburgh

7:55 AM 8:15 AM **Cold Stored Platelets for Transfusion in Hemorrhagic Shock and TBI**

Matthew Neal MD FACS

Watson Chair and Professor of Surgery, Director of Emergency General Surgery, Co-Director, Pittsburgh Trauma and Transfusion Medicine Research Center, Professor of Clinical and Translational Science and Critical Care Medicine, University of Pittsburgh

8:15 AM 8:35 AM **Donor and Recipient Safety and Transfusion Efficacy Research: Past, Present and Future**

Michael Busch MD PhD

Director Emeritus & VP, Vitalant; Professor, Department of Laboratory Medicine, UCSF

8:35 AM 9:00 AM **Avoiding Iatrogenic Resuscitation Injury after Traumatic Brain Injury: Repairing the Blood Brain Barrier**

John Holcomb MD FACS

COL, USA (Ret); Professor of Surgery, Department of Surgery, University of Alabama at Birmingham

9:00 AM 9:20 AM **Clinical Trials of Hemorrhage Control Interventions: Why are they so difficult?**

Jan Jansen MD

Professor, General Surgery Trauma Section, University of Alabama at Birmingham

9:20 AM 9:40 AM **Cell Mediated Fibrinolysis: A Bridge to Organ Regeneration After Ischemia Reperfusion Injury**

Hunter Moore MD PhD

Surgical Director of Kidney Transplant and Living Donor, AdventHealth Transplant Institution at Porter

9:40 AM 9:55 AM **Question & Answer Panel | Session 1**

9:55 AM 10:15 AM **Break & Exhibits**

Session 2 | Cellular Therapies in Acute and Chronic Illness

Moderators: **Clifford Lowell MD PhD**, Distinguished Professor, Chair of Department of Laboratory Medicine, UCSF
Michael Matthay MD, Professor of Pulmonary Critical Care Medicine; Research Lab Director, Acute Lung Injury and ARDS: Research and Clinical Trials; Critical Care Specialist, UCSF

- 10:15 AM 10:35 AM **Cellular Reprogramming in Human Disease**
Deepak Srivastava MD
President & Senior Investigator, Gladstone Institutes; Professor, Departments of Pediatrics & Biochemistry & Physics, Gladstone Institute/UCSF
- 10:35 AM 10:55 AM **Repairing the Infarcted Heart**
Chuck Murry MD PhD
Chair and Professor, Department of Stem Cell Biology & Regenerative Medicine; Director, Eli and Edyth Broad Center for Regenerative Medicine & Stem Cell Research, Keck School of Medicine of USC
- 10:55 AM 11:15 AM **In Utero Stem cell therapy Spina Bifida, From the Barn to the Bedside**
Diana L Farmer MD FACS FRCS
Chair and Distinguished Professor, Department of Surgery, Chief of Pediatric Surgery, Shriners' Hospitals for Children; Founder and Co-director, Center for Surgical Bioengineering, UC Davis
- 11:15 AM 11:35 AM **Lessons Learned from Clinical Trials in Cell Therapy for TBI**
Charles S Cox Jr MD FACS
The George and Cynthia Mitchell Distinguished Chair in Neurosciences; Director, Children's Program in Regenerative Medicine; Professor, Department of Pediatric Surgery, UTHealth Houston
- 11:35 AM 11:50 AM **Question & Answer Panel | Session 2**

11:50 AM 12:50 PM **Lunch**

Session 3 | Blood Derived Therapeutics as a Discovery Platform of Novel Regenerative Factors

Moderators: **Cédric Ghevaert MD PhD FRCP FRCPath**, Professor of Transfusion Medicine, Department of Haematology, University of Cambridge
Anirban Sen Gupta PhD, Wallace R. Persons Professor of Engineering, Department of Biomedical Engineering, Case Western University

- 12:50 PM 1:10 PM **Blood-based Approaches to Rejuvenate the Aging Brain**
Saul Villeda PhD
Associate Professor, Department of Anatomy; Associate Director, Bakar Aging Research Institute, UCSF
- 1:10 PM 1:30 PM **Rescuing Regeneration in Aging Muscle by Manipulating Blood-Borne Factors**
Amy Wagers PhD
Chair and Forst Family Professor, Department of Stem Cell and Regenerative Biology; Executive Committee Member, Harvard Stem Cell Institute
- 1:30 PM 1:50 PM **Exercise Plasma to Cure Alzheimer's disease?**
Ulrik Wisloff PhD
Professor in Exercise Physiology and Head, CERG and K.G. Jebsen Centre for Exercise in Medicine, Department of Circulation and Medical Imaging; Faculty of Medicine & Health Sciences, NTNU Norway
- 1:50 PM 2:10 PM **Translating Platelet Rich Plasma Research to Clinical Use in Orthopedics**
Anthony Luke MD MPH
Professor, Department of Orthopaedic Surgery; Director, Human Performance Center, UCSF
- 2:10 PM 2:30 PM **Freeze-Dried Platelet Derived Hemostatic Agent in Severe Surgical Bleeding: Results of a Pilot Randomized Clinical Trial**
Jakob Stensballe MD PhD
Board Member, The Medical Society of Copenhagen (DMSK); Senior Consultant, Department of Anesthesiology and Centre for Head & Orthopedics, Rigshospitalet, Copenhagen
- 2:30 PM 2:45 PM **Question & Answer | Session 3**

2:45 PM 3:05 PM **Break & Exhibits**

Session 4 | Emerging Concepts and Innovative Therapeutics in Critical Care Moderators

Moderators: **Matthew Neal MD FACS**, Watson Chair and Professor of Surgery, Director of Emergency General Surgery, Co-Director, Pittsburgh Trauma and Transfusion Medicine Research Center, Professor of Clinical and Translational Science and Critical Care Medicine, University of Pittsburgh

Tanya Anand MD MPH FACS, Clinical Assistant Professor, Surgery, University of Arizona Department of Surgery Division of Trauma, Surgical Critical Care, Burns and Acute Care Surgery

3:05 PM	3:25 PM	The Immunobiology of ARDS Clifford Lowell MD PhD Distinguished Professor and Chair of Department of Laboratory Medicine, UCSF
3:25 PM	3:45 PM	Engineering stem cell derived extracellular vesicles and lipid nanoparticles for targeted delivery Aijun Wang MD PhD Professor and Vice Chair, Departments of Surgery and Biomedical Engineering; Co-director, Center for Surgical Bioengineering, UC Davis
3:45 PM	4:05 PM	MSCs and Bacterial Pneumonia in Mice: Replicating ARDS Phenotypes in Patients Michael Matthay MD Professor of Pulmonary Critical Care Medicine; Research Lab Director, Acute Lung Injury and ARDS: Research and Clinical Trials; Critical Care Specialist, UCSF
4:05 PM	4:25 PM	Single cell multi-omics reveals outcome based circulating leukocyte cell populations in human trauma Timothy R Billiar MD Distinguished Professor and Chair, Department of Surgery; Associate Senior Vice Chancellor for Clinical Academics, University of Pittsburgh; Executive Vice President and Chief Scientific Officer, UPMC
4:25 PM	4:45 PM	Early alterations in innate immunity and role in chronic critical illness Joseph Cuschieri MD Professor of Surgery and Lab Medicine, Chief of Surgery at Zuckerberg San Francisco General Hospital and Trauma Center; Trauma Medical Director, UCSF
4:45 PM	5:05 PM	Preclinical drug development for ischemic states using large animal models Emin Maltepe MD PhD Professor, Department of Pediatrics and Neonatology, UCSF
5:05 PM	5:20 PM	Question & Answer Session 4
5:20 PM	6:00 PM	Poster Session Coordinator: Elena Nedelcu MD Professor Lab Medicine UCSF
6:00 PM	6:45 PM	Reception
6:45 PM	7:05 PM	Keynote What We Do Matters Introduction: Shibani Pati MD PhD John Holcomb MD FACS COL USA (Ret), Professor of Surgery, Department of Surgery, University of Alabama at Birmingham

7:05 PM 8:25 PM **Dinner**

Tuesday May 6

Breakfast

Day 3 | Novel Blood Products, Stem Cell Derived Blood, Military Health Session

Talk topics will delve into stem cell-derived blood components and innovative blood products aimed at providing new therapies for trauma and critical care patients. We'll explore recent findings related to plasma-based treatments for conditions such as sepsis, traumatic brain injury, and burns. Additionally, we'll address the regulatory challenges faced in approving these novel products. The day will wrap up with a session on military health, concentrating on optimizing care and identifying gaps in research and the treatment of injured warfighters on the battlefield/pre-Role 2 care. Three main areas of interest will be discussed: 1) management of hemorrhage on the battlefield with novel blood products and therapeutics, 2) management of organ failure on the battlefield, and 3) management of TBI and SCI on the battlefield. A fourth topic on wound management and infection will be covered in a focus group discussion on May 7th.

Session 5 | Stem Cell Derived Blood Components and Novel Blood Products

Moderators: **Jessica Cardenas PhD**, Associate Professor, Department of Surgery, CU Anschutz

Lucy Kornblith MD FACS, Associate Professor UCSF Department of Surgery and Lab Medicine, Director of Research ZSFGH

7:30 AM 7:50 AM **Engineered Platelets: Going Beyond Transfusion and Stopping Bleeding**

Cédric Ghevaert MD PhD FRCP FRCPath

Professor of Transfusion Medicine, Department of Haematology, University of Cambridge

7:50 AM	8:10 AM	<p>Developing a Whole Blood Substitute - The Inner Workings of the On Demand Blood Program</p> <p>Vincent B Ho MD MBA Chair and Professor, Department of Radiology and Bioengineering, Director, 4D Bio3 Center for Biotechnology, Uniformed Services University of the Health Sciences</p>
8:10 AM	8:30 AM	<p>Platelet-inspired Synthetic Nanomedicine for Targeted Hemostatic Applications</p> <p>Anirban Sen Gupta PhD Wallace R. Persons Professor of Engineering, Department of Biomedical Engineering, Case Western University</p>
8:30 AM	8:50 AM	<p>The Hidden Components: Extracellular Vesicles and Mitochondrial DNA in Blood Products</p> <p>Philip Norris MD Director of Laboratory Science and VP of Research and Scientific Programs, Vitalant; Professor, Department of Laboratory Medicine, UCSF</p>
8:50 AM	9:10 AM	<p>Translational Applications of Platelet Lysates and Extracellular Vesicles: Why, What, and How</p> <p>Thierry Burnouf PhD Distinguished Professor and Vice Dean, Graduate Institute of Biomedical Materials and Tissue Engineering, Taipei Medical University</p>
9:10 AM	9:30 AM	<p>Gene-edited iPSC Derived RBCs for Large Scale Production</p> <p>Kyle Cromer PhD Assistant Professor, UCSF Department of Surgery</p>
9:30 AM	9:45 AM	Question & Answer Session 5
9:45 AM	10:05 AM	Break & Exhibits
Session 6 Plasma Therapeutics in Trauma, Burns, Sepsis		
<p>Moderators: Martin A Schreiber MD FACS FCCM, COL, MC, USAR, Adjunct Professor of Surgery, USUHS Joseph Rappold MD, CAPT (Ret) US Navy, Medical Director, Cellphire, Inc</p>		
10:05 AM	10:25 AM	<p>Mitigating the Coagulopathy in Trauma with Anti-Thrombin III</p> <p>Jessica Cardenas PhD Associate Professor, Department of Surgery, CU Anschutz</p>
10:25 AM	10:45 AM	<p>Defining the Endotheliopathy and Epitheliopathy of Trauma and the Impact of Blood Product Resuscitation</p> <p>Shibani Pati MD PhD CTTACC Conference Chair; Director Center for Research in Transfusion Med and Cell Therapies; Vice Chair and Professor, UCSF</p>
10:45 AM	11:05 AM	<p>Endotheliopathy, Fibrinolysis, and Plasma Resuscitation in Burn Shock</p> <p>Jeff Shupp MD Professor of Surgery, Plastic Surgery, Biochemistry, Cellular & Molecular Biology, Georgetown University</p>
11:05 AM	11:25 AM	<p>Plasma in Septic Shock; Results of a Randomized Clinical Pilot Trial</p> <p>Jakob Stensballe MD PhD Board Member, The Medical Society of Copenhagen (DMSK); Senior Consultant, Department of Anesthesiology and Centre for Head & Orthopedics, Rigshospitalet, Copenhagen</p>
11:25 AM	11:40 AM	Question & Answer Session 6
11:40 AM	12:00 PM	<p>Special Lecture Acellular Tissue Engineered Vessels: Civilian and Military Experience</p> <p>Introduction: Martin A Schreiber MD FACS FCCM</p> <p>Ernest "Gene" Moore MD FACS Distinguished Professor of Surgery, Ernest E Moore Shock Trauma Center at Denver Health</p>
12:00 PM	1:00 PM	Lunch
1:00 PM	1:20 PM	<p>Special Lecture (Tentative)</p> <p>Introduction: Mary Homer PhD</p> <p>Peter Marks MD PhD Director, Center for Biologics Evaluation and Research (CBER) FDA</p>

Session 7 | Military Health Session Focused on Battlefield Strategies for Care

Moderators: **John Holcomb MD FACS**, COL USA (Ret); Professor of Surgery, Department of Surgery, University of Alabama at Birmingham

Jennifer Gurney MD FACS, Chief, Joint Trauma System, COL MC USA; US Army Institute of Surgical Research, Fort Sam Houston

- 1:20 PM 1:35 PM **Distinguished Presentation**
Stephen Ferrara MD
CAPT USN (Ret), Acting Assistant Secretary of Defense for Health Affairs
- 1:35 PM 1:55 PM **Preparations for Large Scale Combat Operations: Joint Trauma System Standpoint**
Jennifer Gurney MD FACS
Chief, Joint Trauma System, COL MC USA; US Army Institute of Surgical Research, Fort Sam Houston
- 1:55 PM 2:15 PM **The Combat Casualty Care Peacetime Effect at a Cross Roads: Are we Preparing to Fail or Win? (Civilian Perspective)**
Jeremy Cannon MD FACS
Col USAF (Ret), Professor of Surgery, University of Pennsylvania
- 2:15 PM 2:35 PM **Blood Replacement Strategies in Future Large-Scale Operations Novel Blood Products**
Martin A Schreiber MD FACS FCCM
COL, MC, USAR, Adjunct Professor of Surgery, USUHS

Topic 1 | Management of Hemostasis and Hemorrhagic Shock on the Battlefield/pre-Role 2

Moderators: **Andre Cap MD PhD, Travis M Polk MD FACS**

- 2:35 PM 2:50 PM **The Future of Battlefield Hemorrhage Control**
Travis M Polk MD FACS
CAPT USN; Chair, Joint Program Committee-6; Director, Combat Casualty Care Research Program (CCCRP); US Army Medical Research and Development Command (USAMRDC), Defense Health Agency
- 2:50 PM 3:05 PM **Blood on the Battlefield; When will we Finally get back to WWII Capabilities**
Andre Cap MD PhD
COL USA (Ret); Board Director and Chief Scientific Officer, Velico
- 3:05 PM 3:35 PM **Panel Discussion**
1). Novel/alternate blood products regulatory approval (dried plasma, dried platelets, dried cryo, blood derived products, whole blood, oxygen carriers, blood substitutes) 2). Logistics and Transport of product/patient (containers) 3). Battlefield Regulatory approval
Laura Ruse Brosch RN PhD, Andre Cap MD PhD, Jeremy Cannon MD FACS, Mike Fitzpatrick PhD, Toby Silverman MD MPH, Ralph R. Vassallo, MD, FACP, Therese West PhD, Pampee Young MD PhD - To Be Finalized

3:35 PM 3:50 PM Break

Topic 2 | Management of Traumatic Brain Injury and Spinal Cord Injury on the Battlefield/pre-Role 2

Moderator: **Geoffrey Ling MD PhD**

- 3:50 PM 4:05 PM **Innovative Approaches to Manage TBI on the Battlefield and Remote Settings**
Geoffrey Ling MD PhD
COL USA (Ret) Professor of Neurology USUHS, Professor of Neurology, Johns Hopk
- 4:05 PM 4:20 PM **TBI Care in Prehospital, Combat and Austere Environments: New Brain Trauma Foundation Guidelines**
GJ Hawryluk MD, PhD
Neurosurgeon, Cleveland Clinic; Adjunct Associate Professor of Neurosurgery, Uniformed Services University; Medical Director and Scientific Advisory Board Chair, Uniformed Services University
- 4:20 PM 4:50 PM **Panel Discussion**
1). Novel blood products and resuscitation (plasma for TBI..., dried platelets...) 2). Point of Care Devices- Biomarkers for TBI and SCI evaluation, ICP monitoring, MOBI? 3). Cell Therapies/Regenerative interventions 4). Logistics and Transport for TBI and SCI
Charles S Cox Jr MD FACS, James Guest MD PhD, GJ Hawryluk MD PhD, Jan Jansen MD, Susan Rowell MD, Jason Sperry MD, Christopher Barrett MD- To Be Finalized

Topic 3 | Management of Organ Failure and Sepsis

Moderator: Kevin Chung MD

4:50 PM	5:05 PM	Long term organ support in a wartime setting Kevin Chung MD COL USA (Ret), CEO Seastar Medical
5:05 PM	5:20 PM	Renal Replacement Therapy in Large Scale Combat Operations Ian Stewart MD Col, USAF, MC, Vice chair for Clinical Research, Professor of Medicine, Uniformed Services University
5:20 PM	5:35 PM	Autologous vs Allogeneic Mesenchymal Stromal Cells for ARDS and Multiorgan Failure Management: Present and Future Applications Andriy Batchinsky MD Professor of Surgery & Medicine, USU, Geneva Foundation, AREVA
5:35 PM	6:05 PM	Panel Discussion 1). Novel blood products and resuscitation- dried plasma/ platelets. 2). Cellular Therapies 3). Devices for organ failure support: mobile dialysis, ECMO. 4). Logistics Transport Andriy Batchinsky MD, Ernest "Gene" Moore MD FACS, Jakob Stenseballe MD PhD- To Be Finalized
6:05 PM	6:15 PM	Summary of Thoughts and Military Health Session- Future Research Directions of DOD Lester Martinez-Lopez MD MG USA (Ret) Former Assistant Secretary of Defense for Health Affairs (ASDHA) Jennifer Gurney MD FACS Chief, Joint Trauma System, COL MC USA; US Army Institute of Surgical Research, Fort Sam Houston John Holcomb MD FACS COL USA (Ret); Professor of Surgery, Department of Surgery, University of Alabama at Birmingham

6:15 PM 7:00 PM Reception

7:00 PM 7:20 PM 2025 Keynote | Transforming Battlefield Trauma Care

Introduction: John Holcomb MD FACS

Frank Butler MD FAAO FUHM

CAPT Medical Corps USN (Ret) Consultant in Tactical Combat Casualty Care
Joint Trauma System, Adjunct Professor of Military and Emergency Medicine
Uniformed Services University, Presidential Citizens Medal Recipient 2024

7:20 PM 9:50 PM Dinner/CTTACC Awards Presentation

Wednesday May 7

7:00 AM 8:00 AM Exhibitor Takedown

Breakfast

Day 4 | Cell and Gene Editing of Stem Cell and Blood Products, Funding Panel and Round Table Discussions

Talks will focus on exciting advancements in cell and gene editing, as well as the potential for scaling up the production of enhanced, personalized blood and cell therapies for trauma and critical care patients, outside of oncological applications. We'll also tackle the regulatory challenges involved in getting these innovative products approved. The day will conclude with a stakeholder session by major funders of research in this field. After lunch, we'll host focus group discussions centered on the development of dried blood products and wound and tissue healing.

Session 8 | Advancing the field of Cell and Gene Editing

Moderators: **Fabio Triolo, DdR, MPhil, PhD**, The Clare A. Glassell Distinguished Chair, Director, Cellular Therapy Core, Professor, Program in Regenerative Medicine

David Stroncek MD, Director, Center for Cellular Engineering, National Institutes of Health

7:30 AM 7:50 AM **Manufacturing Cell and Gene Therapies in the Academic Setting**

Brian Shy MD PhD

Assistant Professor, Department of Laboratory Medicine, Director, Human Islet and Cellular Transplantation GMP Facility, UCSF

7:50 AM 8:10 AM **Improving on Nature: Interface Re-engineering of Ligand-based CAR T Cells for Enhanced Efficacy**

Arun Wiita MD PhD

Professor, Department of Laboratory Medicine; Assistant Director, Clinical Cytogenics Laboratory, UCSF

8:10 AM	8:30 AM	CAR T-Cell Manufacturing Challenges David Stroncek MD Director, Center for Cellular Engineering, National Institutes of Health
8:30 AM	8:50 AM	Non-Genetic Modification of Blood and Somatic Cells Scale Brett Janis PhD CEO/CSO, Treasurer and Co-founder, DesiCorp Inc.
8:50 AM	9:10 AM	Leveraging the Platelet Transcriptome to Decipher Platelet Function and Dysfunction: In Circulation and In Storage Lucy Kornblith MD FACS Associate Professor UCSF Department of Surgery and Lab Medicine, Director of Research ZSFGH

Advancing Blood Therapeutics | Insights into Potency and Informative Assays

9:10 AM	9:30 AM	Defining Oxygen Transport Potency for RBCs and Bio-synthetic Alternatives Allan Doctor MD Professor University of Maryland Department of Pediatrics
9:30 AM	9:50 AM	Informative Assays to Guide Clinical Development of Novel Blood Products Larry Corash MD Senior Vice President and Chief Scientific Officer, Cerus Corporation
9:50 AM	10:10 AM	Title of Talk TBA
10:10 AM	10:25 AM	Question & Answer Panel Session 9
10:25 AM	10:40 AM	Break
10:40 AM	11:00 AM	Special Lecture Integrative Approaches to Managing Chronic Critical Illness – Is it Ready for Prime Time? Sangeeta Pati MD FACOG ABOIM Director Sajune Institute for Regenerative Medicine and Founder of Take My Power Back Initiative

Session 9 | Regulatory Guidance for Trials and Novel Products

Moderators: **Bethany L Brown, PhD, MSCS**, Senior Director, Transfusion Innovation and Product Development, American Red Cross

Beth Shaz MD MBA, Professor and Deputy Director of Marcus Center for Cellular Cures, Duke University

11:00 AM	11:30 AM	Panel Discussion Laura Ruse Brosch RN PhD COL ANC USA (Ret); Assistant Vice President for Research Initiatives and Compliance, Uniformed Services University of the Health Sciences Bethany L Brown, PhD, MSCS Senior Director, Transfusion Innovation and Product Development, American Red Cross Andre Cap MD PhD COL USA (Ret); Board Director and Chief Scientific Officer, Velico Adam Gerber MD PhD Scientific and Medical Director, Critical Care, Octapharma USA Mary Homer PhD Chief, United States Radiological and Nuclear Countermeasures, Biomedical Advanced Research and Development Authority (BARDA) Jenifer Ojeda PhD Program Manager, Regenerative Medicine and Wound Management Combat Casualty Care Research Program (CCCRP) Travis M Polk MD FACS CAPT USN; Chair, Joint Program Committee-6; Director, Combat Casualty Care Research Program (CCCRP); US Army Medical Research and Development Command (USAMRDC), Defense Health Agency Beth Shaz MD MBA Professor and Deputy Director of Marcus Center for Cellular Cures, Duke University Toby Silverman MD MPH Subject Matter Expert, Tunnell Government Services, contractor to BARDA (Former Deputy Associate Director for Medical Affairs, FDA Office of Blood Research and Review)
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Ralph R. Vassallo, MD, FACP

EVP / Chief Medical & Scientific Officer, Vitalant

FDA Representation

TBA

11:30 AM 11:45 AM **Special Lecture | AFIRM**

Anthony Atala MD

Professor and Chair of Urology, Wake Forrest

Session 10 | Stakeholders Panel

This session is focused on discussions concerning the scope for funding in the future for pre-clinical and clinical studies in trauma and critical care, regenerative medicine, cellular therapies and novel blood or blood derived products.

11:45 AM 12:40 PM **Panel Discussion**

DOD

Travis M Polk MD FACS

CAPT USN; Chair, Joint Program Committee-6; Director, Combat Casualty Care Research Program (CCCRP); US Army Medical Research and Development Command (USAMRDC), Defense Health Agency

Jenifer Ojeda PhD

Program Manager, Regenerative Medicine and Wound Management Combat Casualty Care Research Program (CCCRP)

Therese West PhD

DOD Director, US Army Combat Casualty Care Research Program

ARPA-H

Amy Jenkins PhD

Director of Health Science Futures, Program Manager Biotechnologies Office

BARDA

Mary Homer PhD

Chief, United States Radiological and Nuclear Countermeasures, Biomedical Advanced Research and Development Authority (BARDA)

DARPA

Peter Attilio PhD CRNA

COL USA, Defense Advanced Research Projects Agency (DARPA)

MTEC Shawn Green PhD

President, Medical Technology Enterprise Consortium (MTEC)

DHA/USSAMDA

Kendra L Lawrence PhD BCE PMP

Project Manager, WPAC PMO

12:40 PM 1:40 PM Lunch

Session 11 | Focus Groups

1:40 PM 3:40 PM **Focus Group 1 | From Battlefield to Bedside: Overcoming Challenges in Developing a Dried Plasma Product for Military and Civilian Use**

Moderators: Anthony Pusateri PhD

Chief Scientist, Leidos and Naval Medical Research Unit

Isabel Lauren Jackson PhD

Founding Principal, True North BioPharma, LLC

Discussion Points

1). Barriers to dried plasma implementation 2). Supply by Blood Centers and Donors 3). Regulatory Outlook 4). Data and research needed 5). Experience and lessons learned for clinical development and FDA approval 6). Opportunities for distribution through pharmacy or blood banks 7). Challenges posed by development of products such as whole blood 8). Emergency use authorizations for civilians 9). Potential in hospital utilization of dried plasma

1:40 PM 3:40 PM **Focus Group 2 | Next-Generation Solutions for Wound Healing and Tissue Regeneration**

Moderators: Geoffrey Gurtner MD FACS

Chair Department of Surgery; Professor Surgery; Professor Biomedical Engineering, University of Arizona College of Medicine

Shawn Green PhD

President, Medical Technology Enterprise Consortium (MTEC)