

Sunday, 11 September 2022

1600-1900	REGISTRATION (City Hall Lobby)
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Monday, 12 September 2022

0600-1930	REGISTRATION (City Hall Lobby)
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0600-0830	BREAKFAST
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0800-1200	PLENARY SESSION
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1130-1330	NETWORKING LUNCH
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1330-1800	BREAKOUT SESSIONS
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One-Hour Session 1330-1430	Below Zero Medicine Research Ronald W. Matheny, Jr., Ph.D. Moderator	Novel Interventions for Non-pharmacological Pain Management Claudio D. Ortiz, Ph.D. Henry Nothnagel, Ph.D. Moderators	Advances in Blast-Induced Neurotrauma and Battlefield Treatments Michael J. Urban, Ph.D. Moderator	Pathophysiology of Combined Traumatic Injury David M. Burmeister, Ph.D. Cullen Case, MPA Moderators	Solutions to Promote Resilience and Mitigate Acute Stress in the Face of Trauma and Mass Casualty Events Ronda J. Renosky-Vittori, Ph.D. Moderator	Human and Machine Co-Learning Erin McCormick, Ph.D. Moderator	U.S. DoD Warfighter Brain Health Initiative: The Future Strategy for Traumatic Brain Injury Care and Research
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1430-1500	BREAK
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Three-Hour Session 1500-1800	SARS CoV-2 Therapeutics and Diagnostics Col Vikhyat Bebart, USAF Reserve IMA Moderator	Improving Warfighter Readiness and Performance through Health Services Research Tracey P. Koehlmoos, Ph.D. Moderator	1500-1600 Reducing Death From Injury: Timing is Everything and Other Lessons Never Too Late to Learn Col Stacy A. Shackelford, USAF Moderator 1600-1800 Case Records of the Joint Trauma System COL Jennifer M. Gurney, USA Moderator	Treatment Strategies Following Musculoskeletal Injury Brad D. Isaacson, Ph.D. Elizabeth Russell Esposito, Ph.D. Brad D. Hendershot, Ph.D. Linzie Wagner, PMP CRA Moderators	Antimicrobial Development to Counter Wound Infections in Military Personnel Mark P. Simons, Ph.D. Ms. Elizabeth Chipriano, M.S. Moderators	Advanced Decision Support and Automation Technologies to Support Combat Casualty Care in Future Multi-Domain Operations Jose Salinas, Ph.D. Nathan Fisher, M.S. Moderator	Novel Clinical Assessments and Interventions for mild Traumatic Brain Injury Michael J. Roy, M.D., MPH Sarah Fontaine, Ph.D. Moderators
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1800 - 2030	PRINCIPAL DEPUTY ASSISTANT SECRETARY OF DEFENSE (HEALTH AFFAIRS) RECEPTION OPENING OF EXHIBITS (Exhibit Hall)
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Tuesday, 13 September 2022

0600-1800	REGISTRATION (City Hall Lobby)
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0630-0830	BREAKFAST
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0800-1000	BREAKOUT SESSIONS						
Two-Hour Session 0800-1000	Mitigating Bloodborne Infection Risk in Large Scale Combat Operations COL Julie Ake, USA MAJ Baishali Kanjilal, USA Moderators	Advances in Prolonged Care Kimberly Pope, Ph.D. Sylvain Cardin, Ph.D. Moderators	Pain Management for the Future Fight COL Thomas Stark, USA Jelena M. Janjic, Ph.D. Moderators	Expeditionary Eye Care COL Scott McClellan, USA Whitney A. Greene, Ph.D. Moderators	Clinical Practice Guidelines for Behavioral Health Interventions in Forward Locations for Non-Specialty Providers Fuad Issa, M.D. Sharmila A. Chari, Ph.D. Moderators	Advances in Warfighter Nutrition Lee M. Margolis, Ph.D. Moderator	Injury Biomechanics and Prevention for Military Applications Tyler Rooks, M.S. Frederick Brozoski, M.S. Moderators
0900-1800	EXHIBITS (Exhibit Hall)						
1000-1030	BREAK						
1000 - 1200	POSTER SESSION 1 (Exhibit Hall)						
(Poster set-up 0900) (Presenters at Posters 1000-1200) (Poster take-down by 1400)	<p align="center">MEDICAL READINESS</p> <p align="center">Force Health Protection: Research in Exposure and Risk Assessment Military Exposures and Subsequent Long-term Outcomes</p> <p align="center">EXPEDITIONARY MEDICINE</p> <p align="center">Advances in Prolonged Care Trauma Resuscitation and Critical Care on the Future Battlefield Advanced Decision Support and Automation Technologies to Support Combat Casualty Care in Future Multi-Domain Operations Novel Strategies for Treatment of Shock or Blood Failure: Blood and Blood Products Cellular Therapeutics for Treatment of Shock and Trauma Emerging Technologies for Treatment of Non-compressible Torso Hemorrhage Pathophysiology of Combined Traumatic Injury Point of Injury Care: From Bench to Battlefield Multi-Organ Dysfunction in Prolonged Field Care Scenarios Burn Injury Management in Theater Treatment Innovations for Acute Respiratory Distress Syndrome (ARDS) What's New in Airway Science and Technology Expeditionary Eye Care En Route Care Innovation - Increasing Effectiveness of En Route Combat Casualty Care Novel Interventions for Non-pharmacological Pain Management Pain Management for the Future Fight</p> <p align="center">WARFIGHTER PERFORMANCE</p> <p align="center">Wearables: Future Capability, Past Successes and Current Challenges in a Deployed Environment</p> <p align="center">OTHER</p> <p align="center">Research Investigations on Implementation of Novel Learning and Education Training Strategies to Improve Readiness for Battlefield Care</p>						
1130-1330	LUNCH						
1300-1730	BREAKOUT SESSIONS						
Two-Hour Session 1300-1500	Scientific Abstract PLENARY SESSION Farrukh Rizvi, Ph.D. Moderator	Development of New Front Line Therapies to Prevent & Treat Endemic Viral Diseases (non SARS CoV-2) John Dye, Ph.D. Moderator	Emerging Technologies for Treatment of Non-compressible Torso Hemorrhage Sylvain Cardin, Ph.D. CAPT Travis Polk, USN Moderators	Integrative Prevention Approaches to Decrease Harmful Behaviors and Increase Service Member Psychological Health, Readiness, & Performance MAJ Karmon D. Dyches, USA MAJ(P) Matthew LoPresti, USA Moderators	Advances in Regenerative Medicine Therapies for Treatment of Neuromusculoskeletal Injuries: Enabling Enhanced Functional Outcomes Judi A. Sgambato, Ph.D. Moderator	What's New in Airway Science and Technology LTC Steven Schauer, USA Moderator	Defense Health Program and U.S. Army Medical Research Funding Opportunities Rebecca A. Fisher, Ph.D. Moderator
1500-1530	BREAK						

Two-Hour Session 1530-1730	Young Investigator Competition PLENARY SESSION	SARS CoV-2 Clinical Studies/Epidemiology	En route Care Innovation - Increasing Effectiveness of En Route Combat Casualty Care	Improving Sleep in the DoD: Investigations in Operational, Therapeutic, and Biomarker Strategies	Ongoing Health Issues in Military High Performance Flight	Treatment Innovations for Acute Respiratory Distress Syndrome (ARDS)	Strategic and Tactical Insights for Small Business
	Michael J. Morris, M.D. Moderator	James Christensen, Ph.D. Moderator	Lt Col Cubby Gardner, USAF Moderator	Malena Rone, Ph.D. LCDR J. Kent Werner, Jr., USN Moderators	LCDR Brennan Cox, USN LT Alexandra Kaplan, USN Moderators	Sandy Snyder, MSN, RN Moderator	CDR Tatana M. Olson, USN Moderator

1600 - 1800 **POSTER SESSION 2**
(Exhibit Hall)

(Poster set-up 1500) (Presenters at Posters 1600-1800) (Poster take-down by 1830)	<p align="center">MEDICAL READINESS</p> <p align="center">Injury Biomechanics and Prevention for Military Applications</p> <p align="center">EXPEDITIONARY MEDICINE</p> <p align="center">Acutely Administered Interventions for Battlefield Traumatic Brain Injury Battlefield Biomarkers for TBI: Diagnostic and Prognostic Indicators Military-Centric Therapeutic Strategies for Traumatic Brain Injury Advances in Blast-Induced Neurotrauma and Battlefield Treatments Blast Overpressure and Acoustic Sensor, and PPE Effectiveness across Different Environmental Conditions Blast, Blunt, Accelerative Exposure in Military Training Exercises NDAA FY18 Sec 734 - The Longitudinal Medical Study on Blast Exposure of Members of the Armed Forces: Program Overview and Updates Advances in Craniofacial Trauma and Infections: Preventative, Reconstructive, Rehabilitative and Regenerative Strategies to Accelerate Return-to-Duty</p> <p align="center">WARFIGHTER PERFORMANCE</p> <p align="center">Innovative Technologies, Strategies, Models, and Analytical Tools for Predicting, Preventing, Tracking and Treating Musculoskeletal Injuries of the Warfighter</p> <p align="center">RETURN TO DUTY</p> <p align="center">Novel Clinical Assessments and Interventions for mild Traumatic Brain Injury Advancements in Prosthetic and Orthotic Technologies Advances in Regenerative Medicine Therapies for Treatment of Neuromusculoskeletal Injuries: Enabling Enhanced Functional Outcomes Treatment Strategies Following Musculoskeletal Injury</p> <p align="center">OTHER</p> <p align="center">Biomedical Manufacturing for Warfighter Treatment Needs Precision Medicine Research: Optimizing Warfighter Healthcare, Readiness, and Return to Duty Artificial Intelligence, Machine Learning, and Predictive Analytics in Military Medicine</p>
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Wednesday, 14 September 2022

0700-1630	REGISTRATION (City Hall Lobby)
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0630-0830	BREAKFAST
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0800-1000 **BREAKOUT SESSIONS**

Two-Hour Session 0800-1000	Point of Injury Care: From Bench to Battlefield	NDAA FY18 Sec 734 - The Longitudinal Medical Study on Blast Exposure of Members of the Armed Forces: Program Overview and Updates	Suicide Prevention Research Initiatives in DoD	Advancements in Prosthetic and Orthotic Technologies	Employment of Advanced Technologies For Integrated Health Monitoring and Geolocation for Training and Operations in Multi-Domain Environments	Military Exposures and Subsequent Long-term Outcomes	Research Oversight Changes for 2021 and Beyond: Everything Research Compliance
		Thuvan Piehler, Ph.D. Emma Gregory, Ph.D. Richard Shoge, Ph.D. Moderators	Melissa Mehalick, Ph.D. Moderator	Elizabeth Russell Esposito, Ph.D. Moderator	LCDR Joshua Swift, USN Moderator	Lt Col Ian Stewart, USAF Moderator	COL Peter J. Weina, USA Moderator

1000 - 1030 **BREAK**

0900-1630	EXHIBITS (Exhibit Hall)
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1000 - 1200 **POSTER SESSION 3**
(Exhibit Hall)

<p>(Poster Set-up: Beginning at 0900)</p> <p>(Presenters at Posters: 1000-1200)</p> <p>(Poster Take-down: By 1400)</p>	<p><u>MEDICAL READINESS</u></p> <p>Development of New Front Line Therapies to Prevent & Treat Endemic Viral Diseases (non SARS CoV-2)</p> <p>Mitigating Bloodborne Infection Risk in Large Scale Combat Operations</p> <p>SARS CoV-2 Therapeutics and Diagnostics</p> <p>SARS CoV-2 Clinical Studies/Epidemiology</p> <p>Integrative Prevention Approaches to Decrease Harmful Behaviors and Increase Service Member Psychological Health, Readiness, & Performance</p> <p>Solutions to Promote Resilience and Mitigate Acute Stress in the Face of Trauma and Mass Casualty Events</p> <p>Stress and Adjustment Disorders in Military Service Members</p> <p>Suicide Prevention Research Initiatives in DoD</p> <p>Clinical Practice Guidelines for Behavioral Health Interventions in Forward Locations for Non-Specialty Providers</p> <p>Employment of Advanced Technologies for Integrated Health Monitoring and Geolocation for Training and Operations in Multi-Domain Environments</p> <p>Novel Treatments, Strategies, and Technologies in Hearing and Balance Health</p> <p><u>EXPEDITIONARY MEDICINE</u></p> <p>Technologies and Approaches to Support Specialty Virtual Health in Denied, Intermittent, or Low-Bandwidth Communications Environments</p> <p><u>WARFIGHTER PERFORMANCE</u></p> <p>Advances in Warfighter Nutrition</p> <p>Improving Sleep in the DoD: Investigations in Operational, Therapeutic, and Biomarker Strategies</p> <p>Addressing Sensory Illusions and Motion Sickness</p> <p>Ongoing Health Issues in Military High Performance Flight</p> <p>Undersea Training and Operational Research</p> <p><u>RETURN TO DUTY</u></p> <p>Antimicrobial Development to Counter Wound Infections in Military Personnel</p> <p>Sepsis 360 - Early Detection and Treatment in the Operational Environment</p> <p><u>OTHER</u></p> <p>Human and Machine Co-Learning</p> <p>Improving Warfighter Readiness and Performance through Health Services Research</p> <p>Update on Women's Health</p>
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1130-1330 LUNCH

1300-1800 BREAKOUT SESSIONS

<p>Two-Hour Session</p> <p>1300-1500</p>	<p>Advances in Craniofacial Trauma and Infections: Preventative, Reconstructive, Rehabilitative and Regenerative Strategies to Accelerate Return-to-Duty</p> <p>LCDR Daniel Hammer, USN John Simecek, Ph.D. Moderators</p>	<p>Cellular Therapeutics for Treatment of Shock and Trauma</p> <p>James Bynum, Ph.D. Moderator</p>	<p>Acutely Administered Interventions for Battlefield Traumatic Brain Injury</p> <p>J.B. Phillips, Ph.D. Krista Caudle, Ph.D. Moderators</p>	<p>Stress and Adjustment Disorders in Military Service Members</p> <p>Marija S. Kelber, Ph.D. Moderator</p>	<p>Wearables: Future Capability, Past Successes and Current Challenges in a Deployed Environment</p> <p>Alan L. Harner, M.S. Moderator</p>	<p>Technologies and Approaches to Support Specialty Virtual Health in Denied, Intermittent, or Low-Bandwidth Communications Environments</p> <p>Jeannette R. Little, B.S., M.S. Moderator</p>	<p>U.S. Army Medical Research and Development Command Office of Regulated Activities and U.S. Food and Drug Administration: Collaborations and Regulatory Updates</p> <p>MAJ Victor Zottig, Ph.D. USA CDR Thomas Maruna, USPHS Moderators</p>
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1500- 1530 BREAK

<p>Two-Hour Session</p> <p>1530 - 1730</p>	<p>Burn Injury Management in Theater</p> <p>Bonnie J. Woffenden, Ph.D. Sandy Snyder, MSN, RN Moderators</p>	<p>Novel Strategies for Treatment of Shock or Blood Failure: Antishock Pharmaceuticals and Blood Products</p> <p>Michael Adam Meledeo, Ph.D. Moderator</p>	<p>Innovative Technologies, Strategies, Models, and Analytical Tools for Predicting, Preventing, Tracking and Treating Musculoskeletal Injuries of the Warfighter</p> <p>LCDR Joshua Swift, USN Pinata Sessoms, Ph.D. Moderators</p>	<p>Force Health Protection: Research in Exposure and Risk Assessment</p> <p>David R. Mattie, Ph.D. Moderator</p>	<p>Artificial Intelligence, Machine Learning, and Predictive Analytics in Military Medicine</p> <p>Jesus J Caban. Ph.D. Sammy Choi, M.D. Moderators</p>	<p>Biomedical Manufacturing For Warfighter Treatment Needs</p> <p>Lloyd F. Rose, Ph.D. Mary Clare McCorry, Ph.D. Moderators</p>	<p>From Bench to Bedside: Technology Commercialization</p> <p>Paul G. Michaels, eJD Moderator</p>
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Thursday, 15 September 2022

0700-1100	REGISTRATION (City Hall Lobby)				
0630-0830	BREAKFAST				
0800-0830	2022 MHSRS AWARDS Young Investigator and Poster Award Presentations				
0845-1300	BREAKOUT SESSIONS				
Two-Hour Session 0845-1045	Sepsis 360 - Early Detection and Treatment in the Operational Environment LTC Tyson J. Sjulín, USA Moderator	Trauma Resuscitation and Critical Care on the Future Battlefield Caryn Stern, DrPH, MPH Moderator	Blast, Blunt, Accelerative Exposure in Military Training Exercises Michael J. Roy, M.D., MPH Olivia H. Webster, B.A. LTC Brian Johnson, USA Moderators	Battlefield Biomarkers for TBI: Diagnostic and Prognostic Indicators Kasey E. Moritz, Ph.D. Stephanie S. Sloley, Ph.D. Moderators	Precision Medicine Research: Optimizing Warfighter Healthcare, Readiness, and Return to Duty Victor L. Sylvia, Ph.D. CAPT Eric A. Elster, USN Moderators
1045-1100	BREAK				
Two-Hour Session 1100-1300	Blast Overpressure and Acoustic Sensor, and PPE Effectiveness across Different Environmental Conditions V. Sujith Sajja, Ph.D. Raj Gupta, Ph.D. Moderators	Novel Treatments, Strategies, and Technologies in Hearing and Balance Health Mei Sun, Ph.D. Moderator	Updates on Military Women's Health LTC Leilani Siaki, USA CAPT Jennifer Buechel, USN MAJ Angela Phillips, USAF Moderators	Military-Centric Therapeutic Strategies for Traumatic Brain Injury Deborah Shear, Ph.D. Anke Scultetus, M.D. Moderators	Research Investigations on Implementation of Novel Learning and Education Training Strategies to Improve Readiness for Battlefield Care Michael Morris, M.D. Amber M. Mallory, Ph.D. Moderators
1100-1330	LUNCH				
1330	END OF SYMPOSIUM				

