MEDICAL READINESS for the Future Fight







August 14-17, 2023
Gaylord Palms Resort & Convention Center
Kissimmee, Florida



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	Sunday, 13 August 2023				
1500 - 1900	REGISTRATION (City Hall Lobby)				
	Monday, 14 August 2023				
0630 - 1930	REGISTRATION (City Hall Lobby)				
0630 - 0830	BREAKFAST (Florida Exhibit Hall EF)				
0815 - 1130	PLENARY SESSION (Osceola Ballroom)				
0815 - 0825	Color Guard & National Anthem				
0825 - 0830	Welcome				
0830 - 0850	Honorable Lester Martínez López, M.D., M.P.H Assistant Secretary of Defense for Health Affairs				
0855 - 1025	Casualty Care Across the Continuum Operational Vignettes Panel Discussion Terry Rauch, Ph.D. and John Holcomb, M.D. Moderators Panel Participants: Mr. Kaleb Twilligear, COL Jennifer Gurney, USA, Phillip Mason, M.D., Paul Pasquina, M.D.				
1025 - 1055	Break Break				
1055 - 1110	2023 MHSRS Annual Individual and Team Award Presentations				
1110 - 1130	Honorable Paul Friedrichs, M.D., FACS Director, Office of Pandemic Preparedness and Response Policy The White House				
1130 - 1330	NETWORKING LUNCH (Florida Exhibit Hall EF)				











1300 - 1730	BREAKOUT SESSIONS			
	Coastal B	Sun B	Sun D	Sun C
One-Hour Session 1300 - 1400	Female Warfighter Health & Performance Holly L. McClung, MS, RDN, CSSD Nisha Charkoudian, Ph.D.	Military-Centric Interventions for Battlefield Psychological Injuries Fuad Issa, M.D. Virginia M. DeRoma, Ph.D.	Cellular Therapeutics for Treatment of Shock and Trauma Xiaowu Wu, M.D.	Biomedical Community of Interest: Understanding and Learning From the Ukraine Conflict Joseph V. Cohn, Ph.D.
1000 1400	Moderators	Moderators	Moderator	Moderator
	Sun A			
One-Hour Session	Scientific Abstracts of Distinction Plenary Session			
1300 - 1400	Kelley A. Brix, M.D., MPH Moderator			
	Osceola Ballroom			
Two-Hour Session	Young Investigator Competition			
1300 - 1500	Michael J. Morris, M.D. Lt Col Adam M. Willis, USAF Moderators			
1345 - 1445		BREA (Osceola	AK Foyer)	
	Coastal A	Coastal C	Sun D	Coastal D
Three-Hour	Antimicrobial Countermeasures for Wound Infections in Military Personnel	Mental Health and Traumatic Brain Injury	Advances in Prolonged Care	Advances in Al/ML In Military Medicine: Supporting Readiness, Prevention and Return to Duty
Session 1430 - 1730	CDR Mark P. Simons, USN LTC Charlotte Lanteri, USA Daniel Zurawski, Ph.D. Moderators	lda Babakhanyan, Ph.D. Moderator	Kimberly B. Pope, Ph.D. Sylvain Cardin, Ph.D. Moderators	Jesus J. Caban, Ph.D. Aaron R. Caldwell Ph.D. Paige E. Waterman, M.D. Lloyd F. Rose, Ph.D. Moderators
	Sun C	Sun B	Sun A	
Three-Hour Session	Advances in Regenerative Medicine for the Treatment of Neuromusculoskeletal Injuries from Point of Injury to Definitive Care and Beyond	Precision Medicine Research: Optimizing Warfighter Healthcare, Readiness, and Return to Duty	Innovative Technologies to Optimize Warfighters' Performance, and Return to Duty: Individual Wearables, and Neuromodulation	
1430 - 1730	Stephen M. Goldman, Ph.D. Moderator	Eric Elster, M.D. Moderators	Thuvan Piehler, Ph.D. Richard Shoge, Ph.D Stephanie Sloley, Ph.D Moderators	
1800 - 2100	ASSISTANT SECRETARY OF DEFENSE FOR HEALTH AFFAIRS RECEPTION OPENING OF EXHIBITS (Florida Exhibit Hall A-D)			











Tuesday, 15 August 2023				
0630 - 0830	BREAKFAST (Florida Exhibit Hall EF)			
0700 - 1700	REGISTRATION (City Hall Lobby)			
0800 - 1000	BREAKOUT SESSIONS			
	Sun A	Coastal C	Sun C	Coastal D
Two-Hour Session	Tissue Wound Management for Prolonged Care Environments	Battlefield Biomarkers for TBI: Diagnostic and Prognostic Indicators	Development and Validation of Sensors and PPE for Blast Polytrauma	Hemorrhage Control and Vascular Dysfunction
0800 - 1000	Kimberly B. Pope, Ph.D. George Jiang, M.D. Moderators	Kasey E. Moritz, Ph.D. Stephanie S. Sloley, Ph.D. Moderators	V. Sujith Sajja, Ph.D. Raj K. Gupta, Ph.D. Moderators	Thomas H. Edwards, DVM, M.S. Moderator
	Coastal A	Sun D	Sun B	
Two-Hour Session	Military Transitions - Advances in Early Interventions for Promoting and Strengthening Psychological Readiness of Service Members	Innovative Tools and Technologies for Predicting and Assessing Musculoskeletal Injuries of the Warfighter	Hearing Loss, Tinnitus, and Balance: Whole-Life Warfighter Performance	
0800 - 1000	Sharmila A. Chari. Ph.D. Moderator	LCDR Joshua M. Swift, USN Pinata H. Sessoms, Ph.D. Moderators	LTC Isaac D. Erbele, USA Moderator	
0945 - 1045	BREAK			
1000 - 1800	EXHIBITS (Florida Exhibit Hall A-D)			
1000 - 1200	POSTER SESSION 1 (Florida Exhibit Hall A-D)			
1130 - 1330	NETWORKING LUNCH (Florida Exhibit Hall EF)			











1300 - 1500	BREAKOUT SESSIONS				
	Sun C	Sun B	Sun A	Sun D	
Two-Hour Session 1300 - 1500	Case Records of the Joint Trauma System COL Jennifer M. Gurney, USA Moderator	From Benchtop to Battlefield - Transitioning Research to Fielded Products Kathleen L. Berst, MBA, PMP, RAC Moderator	The Global Health Engagement Research Initiative - 2023 Overview and Updates CAPT Danny Shiau, USN Moderator	Conducting Research with the Military Health System: Understanding the Requirements Laura R. Brosch, R.N., Ph.D. Moderator	
	Coastal A	Coastal D	Coastal C		
Two-Hour Session 1300 - 1500	Medicine and Performance Optimization in the Arctic Ronald Wayne Matheny, Ph.D. Moderator	Undersea Operational Research Panel Ben D. Lawson, Ph.D. Moderator	Expeditionary Diagnostics and Treatment of Vision Injury Tian Wang, Ph.D. Moderator		
1445 - 1545	BREAK (Sun and Coastal Foyers)				
1530 - 1730	POSTER SESSION 2 (Florida Exhibit Hall A-D)				
1530 - 1730		BREAKOUT	SESSIONS		
	Coastal A	Coastal C	Sun C	Sun D	
Two-Hour Session 1530 - 1730	Defense Health Program & U.S. Army Medical Research Funding Opportunities Rebecca A. Fisher, Ph.D. Moderator	Food and Drug Administration Regulated Activities and Collaborations with DoD CDR Thomas J. Maruna, USPHS Chandar S. Thakur, Ph.D. LTC Stuart Hobbs, USA Moderators	How SARS-CoV-2 Investments have Improved Medical Readiness for other Emerging Infectious Diseases CDR Andrew G. Letizia, USN Moderator	Emerging Technologies for Treatment of Non-compressible Torso Hemorrhage MAJ Elaine D. Por, USA Sylvain Cardin, Ph.D. Moderators	
	Sun A Coastal D Sun B				
Two-Hour Session	Battlefield Analgesia Pipeline: Novel Therapeutics from the Benchtop to the Battlefield	Update on Wearables in the Deployed Environment	Leveraging Big Data/Predictive Analytics for Military Health System Decision Making: Considerations for Assessment, Treatment, and Policy		
1530 - 1730	Carmen Hinojosa-Laborde, Ph.D. MAJ Nathan Davidson, USA Moderators	Alan L. Harner, M.S. Moderator	Young Sammy Choi, M.D. Dominic E. Nathan, Ph.D. Moderators		











	Wednesday, 10 August 2020				
0630 - 0830	BREAKFAST (Florida Exhibit Hall EF)				
0730 - 1400	REGISTRATION (City Hall Lobby)				
0800 - 1000	BREAKOUT SESSIONS				
	Sun A	Coastal C	Sun C	Sun D	
Two-Hour Session	Microbiome and Pathogenesis: Implications for Systemic Immunity and Wound Healing	Novel Strategies for Treatment of Shock or Blood Failure: Blood and Blood Products	Impact and Assessment of Blast Exposure on Psychiatric Symptoms	Interrupting Behavioral Health Trajectories to Sustain the Force	
0800 - 1000	Richard T. Agans, Ph.D. COL Robert J. Cybulski, USA Moderators	Michael Adam Meledeo, Ph.D. Moderator	Nancy A. Skopp, Ph.D. Rosemay A. Remigio-Baker, PhD., MPH Moderators	Ronda J. Renosky-Vittori, Ph.D. Moderator	
	Sun B	Coastal A	Coastal D		
Two-Hour Session	From Laboratory to Clinic: Progress of Orthotic and Prosthetic Technologies and Outcomes	Health and Readiness Unique to the Female Active Duty Service Woman	Responding to a Nuclear Event and CBRN Exposure with Resource Limitations		
0800 - 1000	Akua Roach, Ph.D. W. Lee Childers, Ph.D., CP Kenneth Furdella, Ph.D. Moderators	Jill Brown, M.D., MPH Lynette Hamlin, Ph.D., R.N. Moderators	David M. Burmeister, Ph.D. Julie N. Bergmann, Ph.D., MHS David W. Evans, MPM, MSIT Moderators		
0900 - 1600	EXHIBITS (Florida Exhibit Hall A-D)				
0945 - 1015	BREAK (Florida Exhibit Hall A-D)				
1000 - 1200	POSTER SESSION 3 (Florida Exhibit Hall A-D)				
1130 - 1330	NETWORKING LUNCH (Florida Exhibit Hall EF)				









1300 - 1500	BREAKOUT SESSIONS			
	Sun A	Sun B	Coastal A	Sun D
Two-Hour Session 1300 - 1500	Advanced Battlefield Care of Severe Burn Casualties at the Point of Need: Prehospital to Definitive Care Sandy J. Snyder, Ph.D., RN Bonnie J. Woffenden, Ph.D. Moderators	Military Exposures and Subsequent Long-term Outcomes Col Ian J. Stewart, USAF Moderator	Comprehensive Strategy and Action Plan for Warfighter Brain Health - Way Forward LOE4 (Late/Long Term Effects) Seth A. Kiser, Ph.D. Moderator	Implementation of Interventions for Prevention of Suicide and Other Harmful Behaviors Melissa L. Mehalick, Ph.D. Moderator
	Coastal C	Coastal D	Sun C	
Two-Hour Session 1300 - 1500	From Sockets to Osseointegration: Human Interface Solutions for Assistive Device Technology Elizabeth Russell Esposito, Ph.D. Moderator	Surviving and Thriving in a Distributed Operations Environment: Military Health Challenges and Solutions Joseph V. Cohn, Ph.D. Michael Lafiandra, Sc.D. Martin LaFrance, Ph.D. Moderators	Strategic and Tactical Insights for Small Businesses: Gaining Command of New SBIR/STTR Program Protection Criteria James R. Myers, Jr., B.S. Moderator	
1445 - 1545	BREAK			
1530 - 1730		BREAKOUT	SESSIONS	
	Sun C	Sun B	Sun A	Sun D
Two-Hour Session	Traumatic Brain Injury Treatment for Early Combat, In-theater Administration	Enabling Medical Mobility and CASEVAC during Future Large Scale Combat Operations	Advanced Decision Support and Automation Technologies to Support Combat Casualty Care During Multi-Domain Operations, Large Scale Combat Operations, and Prolonged Care	Longitudinal Studies of Service Member, Veteran, and/or Military Family Member Health and Well-being
1530 - 1730	James B. Phillips, Ph.D. LTC Bradley A. Dengler, USA Moderators	LTC Steven G. Schauer, USA Lt Col Joseph K. Maddry, USAF MAJ Nicholas M. Studer, USA MAJ Elaine D. Por, USA Moderators	Jose Salinas, Ph.D. Nathan Fisher, M.S. Moderators	Jennifer N. Belding, Ph.D. Moderator
	Coastal A	Coastal C	Coastal D	
Two-Hour	Exertional Illness in the Warfighter: Return to Duty Considerations	Military Injury Biomechanics and Applications for Injury Prevention	Aeromedical Aspects of the Army's Future Vertical Lift Program	









Thursday, 17 August 2023

0630 - 0830	BREAKFAST (Florida Exhibit Hall EF)			
0800 - 1100	REGISTRATION (City Hall Lobby)			
0800 - 0830	2023 MHSRS AWARDS (Sun A) Young Investigator and Poster Award Presentations			
0830 - 1030	BREAKOUT SESSIONS			
	Sun B	Sun D	Coastal A	Coastal C
Two-Hour Session 0830 - 1030	Addressing Military Vaccine Hesitancy: A Crucial Barrier to Force Health Protection and Pandemic Preparedness COL Robert J. O'Connell, USA Moderator	Polytrauma and Multi-Organ Dysfunction Col Ian J. Stewart, USAF Moderator	Computational Modeling of Human Lethality, Injury, and Impairment from Blast Threats in All Environments Raj K. Gupta, Ph.D. Anthony Santago, Ph.D. LTC Adam Lewis, USA Moderators	Warfighter Operational Resilience: Current and Future Directions in the Development and Implementation of Programs to Maintain "Resilience Under Fire" Susannah Knust, Ph.D. Moderator
	Sun C	Coastal D		
Two-Hour Session 0830 - 1030	Integrative Medicine Across Operational Environments: Getting Warriors Back to the Fight without Drugs B. Christie Vu, Ph.D. Paul Crawford, M.D. Henry J. Nothnagel, Ph.D. Moderators	Solutions to Optimize and Accelerate Recovery from Neuromusculoskeletal Injury Elizabeth Russell Esposito. Ph.D. Brad D. Isaacson, Ph.D. Moderators		
1015 - 1115	BREAK (Sun and Coastal Foyers)			









1100 - 1300	BREAKOUT SESSIONS			
	Coastal C	Sun D	Sun A	Coastal A
Two-Hour Session	Medical Countermeasure Assessment for Flaviviruses and other Vector-borne Viral Pathogens of Military Importance	Clinical Studies to Advance Combat Casualty Care	Role of Sleep in Performance and Recovery	Psychological Health Research Translation - Current Status and Future Directions
1100 - 1300	LTC Natalie D. Collins, USA Moderator	Kimberly B. Pope, Ph.D. Col Vikhyat Bebarta, USAF Reserve IMA Moderators	Malena B. Rone, Ph.D. Moderator	Sharmila A. Chari, Ph.D. Asiya Kazi, MSPH Moderators
	Sun C	Coastal D		
	Force Health Protection: Operational Exposure Research and Predictive Risk Methods	Multifactorial Problems Contributing of Musculoskeletal Injuries in the Military		
Two-Hour Session 1100 - 1300	David R. Mattie, Ph.D., DABT Moderator	Ronald Wayne Matheny, Ph.D. Timothy Mauntel, Ph.D. Moderators		
1130 - 1330	LUNCH			
1330	END OF SYMPOSIUM			

Overview Map









REGISTRATION

City Hall Lobby - Ballroom/Level 2

SPEAKER READY ROOM

Flagler - Ballroom/Level 2

PLENARY SESSION

Osceola Ballroom - Ballroom/Level 2

BREAKOUTS

Coastal A - Ballroom/Level 2

Coastal C - Ballroom/Level 2

Coastal D - Ballroom/Level 2

Sun A - Ballroom/Level 2

Sun B - Ballroom/Level 2

Sun C - Ballroom/Level 2

Sun D - Ballroom/Level 2

EXHIBIT HALL/POSTER SESSIONS

Florida Exhibit Hall A-D

MEALS

Florida Exhibit Hall EF



