

HJF MHSRS 2024 Oral Presentations

Date	Breakout Name	Time	Full Name	Abstract Title
26-Aug	Lessons Learned from Current Conflicts in Ukraine and Israel to Improve Combat Casualty Care Strategies	1445 – 1500	Tiffany Hamm	Assessment of Ukrainian Trauma and Combat Casualty Care: Medical Capabilities in an Active Combat Zone
26-Aug	Women's Health and Readiness: Health Focused Updates	1445 – 1500	Stephanie Richard	Does SARS-CoV-2 Infection or Vaccination Impact Menstrual Health? Results From a Longitudinal Cohort Study Among Military Health System Beneficiaries
26-Aug	Military Exposures and Subsequent Long-term Outcomes	1645 – 1700	Anthony Marrama	Incidence Rate Trends of Cardiac Outcomes in Active Duty Service Members relative to the COVID-19 Pandemic
26-Aug	Big Data and Machine Learning for Full Spectrum Military Health Readiness, Performance and Care	1700 – 1715	Felipe Lisboa	Early Identification of Critical Care Patients at High Risk of Developing ARDS and Sepsis Using Machine Learning

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27-Aug	Solutions to Accelerate Recovery from Neuromusculoskeletal Injury	0800 – 0815	Kalyn Jannace	Exploring Changes in Neuromusculoskeletal Injury Incidence and Rehabilitation Utilization among Active Duty Service Members During the COVID-19 Pandemic
27-Aug	An Ounce of Prevention: Next Generation Vaccines and Passive Immunoprophylaxis to Enhance Warfighter Readiness	0800 – 0815	Simon Pollett	Real-world evaluation of vaccine strain immune escape through SARS-CoV-2 genetic sieve analysis: insights and future vaccine applications
27-Aug	An Ounce of Prevention: Next Generation Vaccines and Passive Immunoprophylaxis to Enhance Warfighter Readiness	0815 – 0830	Essie Komla	Army Liposome Formulation with QS21 (ALFQ): A Safe and Potent Adjuvant in Phase I Clinical Trials
27-Aug	Solutions to Accelerate Recovery from Neuromusculoskeletal Injury	0845 – 0900	David Carlisle	Assessing the Feasibility and Compliance of Using a Virtual Reality System to Enhance Upper Extremity Rehabilitation and Recovery in DoD Beneficiaries
27-Aug	Force Health Protection: Operational Exposure Research and Predictive Risk Methods	0845 – 0900	Teresa Sterner	Rapid Assessment of Risk to Potential Neurotoxins using Non-Animal Test Methods
27-Aug	An Ounce of Prevention: Next Generation Vaccines and Passive Immunoprophylaxis to Enhance Warfighter Readiness	0930 – 0945	Caroline Subra	Efficacy of the Bispecific Antibody 10E8.4/iMab Against High-dose Intravenous SHIV Challenge in Rhesus Macaques
27-Aug	Organ Support in Trauma	1330 – 1345	Henry Robertson	Domain-Specific PCAs of Biomarkers, Clinical, and Genetic Variables Improve Prediction of Complications in Polytrauma Patients
27-Aug	Non-traditional Treatments and Delivery Strategies for Wound Infections and Sepsis	1615 – 1630	Zachary Rivas	Fully Human Monoclonal Antibodies Confer Robust Protection in a Mouse MRSA Sepsis Model
27-Aug	Protecting the Warfighter from Nuclear Threats: Acute Radiation Syndrome and Radiation Polytrauma	1645 – 1700	Vidya Kumar	BBT-059, A Promising Prophylactic Countermeasure for Radiation-induced Multi-organ Injury

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28-Aug	New Approach Methodologies and Novel In Vivo Models for the Development of Infectious Disease Countermeasures	0915 – 0930	Ahmad Faisal Karim	The Humanized DRAGA Mouse as a Model for HIV Latency and Cure
28-Aug	Design, Prevent, and Implement: Advancements in Osseointegration Technology and Outcomes	1430 – 1445	Kara Churovich	Sociodemographic Factors and their Effects on Transfemoral Osseointegration Patient Outcomes
28-Aug	Advances in Life Saving Interventions at Point of Injury and in Prolonged Care	1445 – 1500	Josh Chenoweth	A global clinical research consortium to enable biomarker-guided solutions for prognosis and treatment of severe infectious disease and sepsis.
28-Aug	Global Health Engagement Research in Combatant Commands	1545 – 1600	Patrick Blair	The Austere Environments Consortium for Enhanced Sepsis Outcomes (ACESO) advances Global Health Engagement through programmatic focus on host-country field sites, clinical trial development, novel product testing and outbreak response training.
28-Aug	Genetic Readiness of the Force: Genetics and Integrative Omics for Optimizing Warfighter Health and Performance	1630 – 1645	Nicholas Bateman	Impact of the Tumor Microenvironment in Splenic Metastasis in High-Grade Serous Ovarian Cancer Revealed by Quantitative Proteomics
28-Aug	Global Health Engagement Research in Combatant Commands	1715 – 1730	Ramey Wilson	What is Missing from Global Health Engagement? Engagement after the Engagement!

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29-Aug	Applications of Artificial Intelligence in Psychological Disorders	0945 – 1000	Brandi Walker	Measuring the Effectiveness of AI Wearables and a Synchronized Mental Wellness Mobile App on Symptoms of Mental Health in Military Service Members
29-Aug	Musculoskeletal Injury Prevention: Highlighting Vulnerable Warfighters	1115 – 1130	Josh Kazman	Increases in Musculoskeletal Diagnosis Rates Corresponding with the Transition to the Army Combat Fitness Test
29-Aug	Musculoskeletal Injury Prevention: Highlighting Vulnerable Warfighters	1145 – 1200	Emily Ricker	Route of Hormonal Contraception Administration Modifies Stress Fracture Risk in Early-Career Female US Army Soldiers
29-Aug	Solutions Addressing Behavioral Health Clinician Shortage - Leveraging Telebehavioral Health	1145 – 1200	Jessica LaCroix	Adaptation of Rational Thinking, Emotion Regulation, and Problem Solving (REPS) as a Mental Fitness Mobile Application
29-Aug	Musculoskeletal Injury Prevention: Highlighting Vulnerable Warfighters	1200 – 1215	Maria Canino	Emotion-Focused Coping, but not Performance Psychology, is Related to Self-Reported Musculoskeletal Pain during Training in Marine Corps Officers
29-Aug	Musculoskeletal Injury Prevention: Highlighting Vulnerable Warfighters	1300 – 1315	Joshua Waters-Jackson	Using the Practical, Robust, Implementation and Sustainability Model (PRISM) Implementation Framework to Guide Musculoskeletal Injury Prevention Strategy Development in United States Marine Corps Infantry Training