



MULTIPLE MYELOMA
Research Foundation

MMRF Immunity Workshop

AI-Enabled Translational Approaches to Improving Clinical Outcomes in Multiple Myeloma

AGENDA

Friday, June 26, 2026

10:00 – 10:10 am	WELCOME & WORKSHOP OBJECTIVES <i>Align participants on workshop goals.</i> George Mulligan, PhD, MMRF Chuck Acharya, PSM PhD, MMRF
10:10 – 10:20 am	TOWARDS A MYELOMA DATA COMMONS <i>Introduce MMRF Virtual Lab (VLAB) as the foundational data platform.</i> Alex Gout, PhD, MMRF
10:20 – 10:50 am	AI/ML FOR BIOMARKER DISCOVERY AND VALIDATION <i>Explore AI/ML approaches for identifying and validating robust, clinically actionable biomarkers.</i> Justin Guinney, PhD, Tempus AI Roy Perlis, MD, MSc, Mass General Research Institute
10:50 – 11:20 am	AI/ML APPROACHES FOR HIGH THROUGHPUT DATA MODALITIES <i>Discuss AI-driven approaches to analyze, prioritize and classify diverse data types</i> Alessandro Lagana, PhD, MSSM Ashita Batavia, MD, MS, Johnson and Johnson
11:20 – 11:35 am	BRIDGING MULTI-OMICS: IN SILICO TO IN CLINICO <i>Highlight strategies for integrating multi-omics data and translating models into clinical insights.</i> Eric Letouzé, PhD, One Biosciences
11:35 – 12:05 pm	PANEL DISCUSSION <i>Effective use and application of AI/ML for Myeloma Immunogenomics.</i> George Mulligan, PhD, MMRF Roy Perlis, MD, MSc, Mass General Research Institute Mehmet Samur, PhD, Dana Farber Cancer Institute Ashita Batavia, MD, MS, Johnson and Johnson
12:05 – 12:35 pm	LUNCH



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12:35 – 1:05 pm	TOWARDS A MULTIPLE MYELOMA DATA DREAM CHALLENGE IN 2026 Dream Challenge Team, Gaia Andreoletti, Sage Bionetworks Commentary from MMRF
1:05 – 1:45 pm	INSIGHTS FROM THE IMMUNE MICROENVIRONMENT: MMRF IMMUNE ATLAS NETWORK <i>Summarize immune microenvironment insights across disease stages using Immune Atlas datasets.</i> Chuck Acharya, PSM PhD, MMRF Manoj Bhasin, PhD, MS, Emory University Li Ding, PhD, Washington University
1:45 – 2:15 pm	DATA-DRIVEN HYPOTHESIS DEVELOPMENT ACROSS DISEASE PROGRESSION <i>Identify data-driven hypotheses to understand progression from precursor and indolent disease to malignancy.</i> Kylee Maclachlan, MBBCh, PhD, MSKCC David Coffey, MD, University of Miami
2:15 – 3:00 pm	PANEL DISCUSSION • Assays of immune system are not yet ready for clinical implementation- steps that can accelerate that process for immune assays. • Additional data types that can be immediately informative in our understanding of the disease. (for example, spatial, microbiome, metabolome, epigenome etc.) • Additional Translational Research Umbrella (TRU) concepts that should be our next focus. Madhav Dhodapkar, MBBS, Fred Hutch Cancer Center Brian Walker, PhD, University of Miami Larry Boise, PhD, Emory University Jonathan Keats, PhD, TGen David Avigan, MD, BIDMC



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3:00 – 3:10 pm	WHAT IS CURE IN MULTIPLE MYELOMA? <i>Cure Definition in Multiple Myeloma.</i> Francesco Maura, MD, MSKCC
3:10 – 3:45 pm	PANEL DISCUSSION: CURES IN MM – WHAT IS THE ROLE OF GENOMICS? • <i>Cure Definition opens a new chapter of clinical research.</i> • <i>How can ongoing and future genomics accelerate progress?</i> • <i>What are the obstacles to this research having optimal impact and breaking those barriers?</i> Francesco Maura, MD, MSKCC Saad Usmani, MD, MBA, FACP, FASCO, MSKCC Nizar Bahlis, MD, University of Calgary Ajay Nooka, MD, MPH, FACP, Emory University George Mulligan, PhD, MMRF
3:45 – 4:00 pm	ROADMAP AND NEXT STEPS <i>Define scientific priorities, data needs, and collaborative next steps.</i> Hearn Cho, MD, PhD, MMRF George Mulligan, PhD, MMRF