



# Advancing Medical Care through Discovery in the Physical Sciences

## Monday, July 12, 2021

### Session 3 Advanced Magnetics: Overview & Community Perspectives Panel (2:00 PM - 4:00 PM)

time	[id] title	presenter
2:00 PM	[15] Overview	
	- [1] Capabilities from the Physical Sciences – Superconducting Magnets - Kathleen Amm	
	- [2] State-of-the-art Challenges and Emerging Technologies – Larry Wald (MGH)	
2:40 PM	[16] Community Perspectives Panel	
	- [1] Magnetic Particle Imaging - Steve Conolly	
	- [2] Optically Pumped Magnetometry - Peter Schwindt	
	- [3] Risk Reduction and Design of a 16-T MRI Magnet – Minfeng Xu (GE Global Research)	
	- [4] Advanced Superconducting Cyclotron with Variable Energy for Hadron Therapy - Joe Minervini	
	- [5] fMRI - Jonathan Polimeni	
	- [6] Panel Discussion	