

Division of Science Annual Research Conference 2026 Agenda

January 23, 2026 | 9am-5pm | C2, East Forum

9:30-9:45am **Welcome Remarks and Introduction**

SESSION ONE

9:45-10:05am **Hazem Ibrahim**
TikTok's recommendations skewed toward oppositional and Republican-aligned content during the 2024 U.S. elections

10:05-10:25am **Stefanos Georgiadis**
How a cup of coffee hides one of math's greatest mysteries

10:25-10:45am **Sergey Nikiforov**
Physics-Informed Machine Learning of Martian Auroral Processes Driven by Solar Wind Interactions

10:45-11:00am **Break**

SESSION TWO

11:00-11:20am **Fayrouz Abou Ibrahim**
Bridging Purification and Production: Nanoscale COFs for Water Decontamination and Sustainable H₂O₂ Generation

11:20-11:40am **Basit Khan**
Heat-Health Outdoors (H₂O): An Online, Real-Time Heat Risk Assessment System

11:40-12:00pm **Sandhya Sharma**
Studying the Lunar Surface using X-ray Spectrometer

12:00-1:00pm **Lunch Break**

1:00-2:20pm

Poster Session

SESSION THREE

2:30-2:50pm

Aurelie Mesnil

Comparative population genomics of fruit tree domestication

2:50-3:10pm

Mohammad Ahmad

Calcium-mediated stress granule assembly increases resilience of cancer cells to alkaline intracellular pH

3:10-3:30pm

Abdelmalek Abdelrazeq

Tract-based Lesion Metrics for Resolving the Clinico-Radiological Paradox in Multiple Sclerosis

3:30-3:45pm

Break

SESSION FOUR

3:45-4:05pm

Georgina Matthews

Spatial Patterns of Heat Tolerance of Two Common Coral Species Across the Arabian Gulf and Gulf of Oman

4:05-4:25pm

Nouar AlDahoul

Large Language Models are often politically extreme, usually ideologically inconsistent, and persuasive even in informational contexts

4:25-4:45pm

Teodora Hristovska

Uncertainty about future action modulates working memory

4:45-5:00pm

Prizes and Closing Remarks
