## **Division of Science Annual Research Conference 2025 Agenda**

January 20, 2025 | 9:15-4.15pm | C2, East Forum

9:30-9:45am	Welcome Remarks and Introduction
SESSION ONE	
9:45-10:05am	Patrick Oliveira Santos Large Quantum Channel
10:05-10:25am	Vigneshwaran Krishnamoorthi Aeolian Sediment Lithification from Late-stage Aqueous Activity in Gale Crater, Mars: Implications for Habitability
10:25-10:45am	Sarah Daakour From Depths to Networks: the Interactome of Prochlorococcus marinus Probed by Genome-scale Yeast Two-hybrid and Deep Learning
10:45-11:00am	Break
SESSION TWO	
11:00-11:20am	Raghavendra Tripathi CLT in Complete Feedback Games
11:20-11:40am	Amaria Javed  Quantum Sensing using Spin Defects in Diamond
11:40-12:00pm	Shrouq Mujahed Ground-State Redox Catalysis Enabled by Organic Nitrogen-Centered Persistent Radicals
12:00-1:00pm	Lunch Break

1:00-2:00pm	Poster Session
SESSION THREE	
2.00.2.20	
•	Francisco Ribeiro
	On LLMs' Internal Representation of Source Code Correctness
2:20-2:40pm	Shanshan Li
	Prefrontal Cortex Modulation Enhances Working Memory
	Representations: A Model-based Neuroimaging Study
2:40-3:00pm	Nadine El Said
•	Nuclear actin-dependent Meg3 Expression Suppresses Metabolic
	Genes by Affecting the Chromatin Architecture at Sites of Elevated
	H3K27 Acetylation Levels
3:00-3:15pm	Break
SESSION FOUR	
3:15-3:35pm	Balaraju Battu
•	Perception of Experience Influences Altruism and Perception of
	Agency Influences Trust in Human-Machine Interactions
3:35-3:55pm	Sabine Fakhoury
	Testing a Theory of Change: Abu Dhabi Parenting Program
3:55-4:15pm	Emre Yörük
•	Exploring the World of Nanocrystals using Electron Diffraction

