

Schedule - Spring Symposium 2023

Planetary Systems and the Origins of Life in the Era of JWST

	Tuesday (May 16th)	Wednesday (May 17th)	Thursday (May 18th)	Friday (May 19th)
9:00 - 9:30	Introduction	Free		
9:30 - 9:45	The Chemistry of Planet Formation in the Joint JWST-ALMA Era Karin Öberg	Webb explores the icy Solar System: Every Ice, Everywhere and all at once Noemi Pinilla Alonso	A 1 to 20 μm Spectrum of the Planetary-mass Companion VHS 1256–1257 b Brittany Miles	How Methane Biogeochemistry and Geomicrobiology Can Inform Astrobiology in the JWST Era Jennifer Glass
9:45 - 10:00				
10:00 - 10:15	A JWST-ALMA Synergy: Modeling Pebble Drift, Water Transport and the Assembly of Rocky Planets Anusha Kalyaan	The complex compositional landscape of the outer protoplanetary disk revealed through JWST GTO observations of large Kuiper belt objects Ian Wong	Moderate-resolution Spectroscopy of Directly Imaged Exoplanets Kielan K. W. Hoch	Evidence for amino acids in the gas of the star-forming region IC 348 Susana Iglesias-Groth
10:15 - 10:30	JWST Reveals the Hot Water Reservoir of the AS 209 Disk Carlos Muñoz-Romero	Discovery of 4 Spectral Classes among Trans-Neptunian Objects John Stansberry	Direct characterization of exoplanetary systems with JWST: lessons learnt from one year of operations Jens Kammerer	Differentiating Terrestrial Exoplanet Archetypes with Polarized Reflected Light Kenneth Gordon
10:30 - 10:40	Flash talks #1	Flash talks #4	Flash talks #7	Flash talks #10
10:40 - 11:10	Coffee Break			
11:10 - 11:40	JWST views of the HD 141569 system: Feedback from the ERS Debris disk imaging program Elodie Choquet	Deciphering Callisto's surface chemistry using JWST/NIRSpec Richard Cartwright (Presented by Bryan Holler)	A deep dive into timeseries observations from the Transiting Exoplanet Community ERS Program Hannah Wakeford	The M-dwarf Opportunity for Understanding Life as a Planetary Phenomenon Sukrit Ranjan
11:40 - 11:55	Composition of the Terrestrial Planet-Forming Disk Regions Thomas Henning	Widespread CO ₂ Among the Trans-Neptunian Population Mario Nascimento de Pra	An Exoplanet Atmosphere in Extraordinary Detail: The Unified Near-Infrared Spectrum of WASP-39b Aarynn Carter	Can Carbon Fractionation Provide Evidence for Aerial Biospheres in the Atmospheres of Temperate Sub-Neptunes? Ana Glidden

11:55 - 12:10	What debris-planet interactions can teach us about planetary systems in the JWST era Tim Pearce	The detection of crystalline water ice on trans-Neptunian objects in JWST era Ana Carolina de Souza Feliciano	Discovery of Thermal Emission from the Earth-sized Exoplanet TRAPPIST-1 b using JWST Taylor James Bell	Only a Matter of Time: Ages of M Dwarf Stars and their Planets for Better Astrobiology Eric Gaidos	
12:10 - 12:20	Flash talks #2	Flash talks #5	Flash talks #8	Flash talks #11	
12:20 - 13:20	Lunch Break				
13:20 - 13:35	Spatially resolved imaging of the Fomalhaut Asteroid Belt with JWST/MIRI Andras Gaspar	Measuring the Polycyclic Aromatic Hydrocarbon Content of Comets with JWST Nathan Roth	Characterizing the atmospheric composition and climate of potentially habitable exoplanets in the era of JWST Thaddeus Komacek	Two Possible Interpretations of the JWST Transmission Spectrum of the Warm Super-Earth GJ486b Katherine Bennett	
13:35 - 13:50	High contrast imaging of the debris disk around Beta Pictoris Isabel Rebolledo	Astrobiology with JWST: Searching for life and habitability in our Solar System Geronimo Villanueva	The Unexpected Detection of HR8799e with NIRCarn Coronagraphy and Implications for Cycle 3 William Balmer	Modeling the Evolution of TRAPPIST-1c's Atmosphere Through Outgassing and Escape Katie Teixeira	
13:50 - 14:05	Investigating ancient reservoirs of our Solar System's earliest solid materials Katherine de Kleer		Constraining Directly Imaged Planet Formation using High Resolution Spectroscopy of Host Stars Aneesh Baburaj	Discussion	
14:05 - 14:20			Thermal-IR spectroscopic probes of extincted giant protoplanets Jordan Stone		
14:20 - 14:30	Flash talks #3	Flash talks #6	Flash talks #9		
14:30 - 14:45	Coffee Break				Mark Clampin
14:45 - 15:00					
15:00 - 15:15	Disentangling the Origins of Planetary System	The infrared spectra of Saturn's rings from JWST	Constraints on the Atmosphere of the Super-	Closing remarks	

	Volatiles: JWST Studies of Comets Stefanie Milam	Matt Hedman	Earth GJ 1132b from JWST NIRSpec Observations Erin May	
15:15 - 15:30	Jupiter's three-dimensional atmosphere through NIRCAM observations Ricardo Hueso	Giant Planet Ring-Moon Systems in JWST Mark Showalter	<i>A JWST MIRI Dayside Emission Spectrum of the Benchmark Hot Jupiter HD 189733 b</i> Julie Inglis	
15:30 - 15:45	Charon's surface composition: new insights from JWST Silvia Protopapa	Revealing the rings of the centaur (10199) Chariklo from JWST through a stellar occultation Pablo Santos-Sanz (presenting author: Bryan Holler)	The Importance of High-precision Stellar Fundamental Parameter and Elemental Abundance Inferences for JWST Studies of Exoplanet Atmospheres Kevin Schlafman	
15:45 - 16:00	Discussion			
16:00 - 16:15				
16:15 - 16:30				
16:30 - 16:45	Social			
16:45 - 17:00				
17:00 - 17:30	Free			
18:00 - 20:00		Dinner		