EXOCLIMES VII PROGRAM - July 7-11, 2025

Start	Sunday 7/6/2025	Monday 7/7/2025	Tuesday 8/7/2025	Wednesday 9/7/2025	Thursday 10/7/2025	Friday 11/7/2025
8:00		**Breakfast**	**Breakfast**	**Breakfast**	**Breakfast**	**Breakfast**
9:00		**Opening Words**				
Chair		*Session 1 - Chair: Clémence Fontani*	*Session 4 - Chair: Shami Tsai*	*Session 7 - Chair: Caroline Morley*	*Session 9 - Chair: Yamila Miguel*	*Session 12 - Chair: Lisa Dang*
9:30		**Nicolas Cowan:** Observing Atmospheric Dynamics on Exoplanets *Review Talk*	**Maria Zamyatina:** Atmospheric Chemistry of Solar and Extrasolar Gas Giants *Review Talk*	**Elspeth Lee:** Modelling Clouds in 3D *Review Talk*	**Anjali Piette:** Deciphering the Compositions of Super-Earths and Sub-Neptunes with JWST *Review Talk*	**David Brain:** Atmospheric Escape on Solar System Planets and Moons *Review Talk*
9:45						
10:00						
10:15		***Natalia Lucia Oliveris Gomez:*** *Mapping the atmosphere of the BD binary system WISE 1049AB*	***Robin Baeyens:*** *One, two, three! A multi-dimensional look at the chemistry of WASP-43 b*	***Nishil Mehta:*** *Combining JWST data and General Circulation Models for a 3D view of the warm Jupiter WASP-80b*	***Matthew Nixon:*** *Observable signatures of magma-atmosphere interactions in sub-Neptunes*	***Aaron Bello-Arufe:*** *Evidence for an atmosphere on the sub-Earth L98-59b*
10:30		***Amelie Gressier:*** *JWST near-infrared phase curve analysis of the ultra-short-period Lava planet K2-141b*	***Brianna Lacy:*** *Mapping Nonequilibrium Chemistry Trends in Cold Rogue Worlds*	***Diana Powell:*** *Spatially varying weather forecasts on hot Jupiters*	***Cara Pesciotta:*** *Hazes and Habitability: The Interaction Between Atmospheric Haze and Liquid Surface Water*	***Collin Cherubim:*** *An Oxidation Gradient Spanning the Small Planet Radius Valley*
10:45		***Fei Wang:*** *Towards Time-Resolved Atmospheric Retrievals: Eigen-Spectra Inversion Techniques for Variable Brown Dwarfs and Exoplanet*	***Nathalie Grasser:*** *Chemical fingerprints of young L dwarf twins as proxies of gas giant atmospheres*	***Sophia Vaughan:*** *Understanding the survival of desert wanderer: Characterizing LTT-9779 b in reflected light*	***Harrison Nicholls:*** *Exploring the diversity of lava planet atmospheres through coupled interior-atmosphere*	***Mark Fortune:*** *Constraining the atmosphere of the rocky exoplanet LHS-1140c and lessons for the Rocky Worlds DDT from analysing JWST/MIRI*
11:00		**Coffee break**	**Coffee break**	**Coffee break**	**Coffee break**	**Coffee break**
11:15						
Chair		*Session 2 - Chair: Denis Sergeev*	*Session 5 - Chair: Julia Seidel*	*Session 8 - Chair: Sarah Moran*	*Session 10 - Chair: Tim Lichtenberg*	*Session 13 - Chair: Romain Allart*
11:30		**Keren Duer-Milner:** Atmospheric Dynamics of Solar System Giants *Review Talk*	**Emily Deibert:** Probing Atmospheric Chemistry from High Resolution Spectroscopy *Review Talk*	**Xinting Yu:** Bridging Laboratory Aerosols Studies and Atmospheric Modeling: Lessons from Titan *Review Talk*	**Oliver Shorttle:** The Search for Life at Planetary Interfaces *Review Talk*	**Leonardo Dos Santos:** A Tale of Assymetric Transits, Missing Planets, and Finally Including Magnetic Fields *Review Talk*
11:45						
12:00						
12:15		***Edouard Barrier:*** *GCM simulations of temperature sub-Neptunes using a new convection scheme*	***Krishna Kanumalla:*** *A song of ice and fire...and rocks!: Probing the rock-to-ice content of ultrahot Jupiters using IGRINS*	***Thomas Kennedy:*** *Exploring cloud uncertainties with a grid of hot Jupiter GCMs*	***Esther van Dijk:*** *Retrieving interior properties of hot Jupiters with Love numbers and atmospheric measurements*	***Eva-Maria Ahrer:*** *Escaping helium and muted features suggest a high-metallicity atmosphere on sub-Neptune GJ3090b from JWST*
12:30		***Robert Frazier:*** *WASP-121b Under the Gaze of JWST: How 3D Models Compare to its Spectroscopic Phase Curve*	***Bibiana Prinoth:*** *Hidden in plain sight: Using ESPRESSO's superpower to detect depleted titanium in WASP-121 b*	***Vighnesh Nagpal:*** *Clouds and Hazes on Sub-Neptunes: Insights from 2D Microphysical Modeling*	***Charles-Edouard Boukare:*** *Exploring the Internal Dynamics of Lava Exoplanets*	***Jaume Orell-Miquel:*** *Insights from the largest observational campaign on escaping atmospheres*
12:45		***Namrah Habib:*** *Do Episodic Storms Always Occur on Planets with Hydrogen-Rich Atmospheres? A Parameter-Space Study of Vertical*	***Linn Boldt-Christmas:*** *High-resolution spectroscopy studies of a cloudy and warm Neptune*	***Giulia Roccetti:*** *Exploring Earth's Reflected Light Through 3D Radiative Transfer Simulations*	***Claire Guimond:*** *A geochemical view on the ubiquity of atmospheric CO2 on rocky exoplanets*	***Shreyas Vissapragada:*** *Towards Precise Constraints on Atmospheric Evolution for 50 Sub-Neptunes*
13:00	Arrival			***Yifan Zhou:*** *JWST as an Exoplanet Weather Satellite: NIRCam Coronagraphic Monitoring of Beta Pic b*		**Closing Remarks**
13:15				***Paul Molliere:*** *Characterizing Silicate Clouds in Rogue Planets with JWST*		
13:30		**Lunch**	**Lunch**		**Lunch**	**Lunch**
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14:00						
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15:00					**Discussion (Free Time)**	
15:15						
15:30		**Discussion (Free Time)**	**Discussion (Free Time)**			
15:45						
Chair					*Session 11 - Chair: Vignesh Krishnan*	
16:00					***Jiachen Liu:*** *Transport-induced Chemistry and Vertical Mixing of Temperate sub-Neptunes: K2-18b as an Example*	
16:15				**Excursion (Free Time)**	***Lili Alderson:*** *Uncovering the Carbon Chemistry of the Exo-Neptune HAT-P-11b*	
16:30					***Pierre-Alexis Roy:*** *Revealing the first thermal emission spectrum of a hot and dense sub-Neptune*	
16:45					***Chloe Fisher:*** *Comparing the Chemistry of Sub-Neptunes in Multi-Planet Systems with JWST*	
Chair		*Session 3 - Chair: Joost Wardenier*	*Session 6 - Chair: Stevanus Nugroho*		*Panel Mod: Frédérique Baron*	
17:00		***Cathal Maguire:*** *Multi-dimensional insights from high- and low-resolution spectroscopy*	**James Kirk:** BOWIE-ALIGN: Testing the dependence of atmospheric composition on migration history with the misaligned hot Jupiter			

17:15	Welcoming Reception	***Vincent Yariv:*** *Towards Doppler Eclipse Mapping of Hot Jupiters*	***Nicole Wallack:*** *Early Results from the JWST Giant Exoplanets Around M-dwarf Stars (GEMS) Program*		**Spin-off Evenings:** *Beyond Academia - Lessons Learned from the Other Side Panel* ***Cassandra Bolduc & Jeffrey Silverman***	Departure
17:30		***Lennart van Sluijs:*** *1D Retrievals versus a 3D GCM: A Biased view of an Ultra Hot Jupiter at high resolution*	***Yoav Rotman:*** *It's a bird! It's a plane! It's... an unknown gas?: Overcoming Modeling Deficiencies in Retrievals of JWST Exoplanet Spectra*			
17:45		***Vivien Parmentier:*** *A population view of hot Jupiter atmospheres*	***Francisco Ardevol Martinez:*** *Overwhelmed with JWST data? Machine learning to the rescue!*			
Chair		***Panel Mod: René Doyon***	***Panel Mod: Caroline Morley***			
18:00		**Spin-off Evenings:** *How SciComm can help you with your research Workshop by* ***Marie-Ève Naud & Frédérique Baron***	**Spin-off Evenings:** *Machine Learning Applications in Climate Science Discussion Panel by* ***Thomas Navarro & Chloe Fisher***		Buffer	
18:15						
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19:00		Buffer	Buffer	Buffer		
19:15		**Dinner**	**Dinner**	**Dinner**	**Conference Dinner**	
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20:15	end					
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21:15		**end**	**end**	**end**	**Fireworks visible from the Old Port**	
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