

Timetable

IR: Invited Review (30 min), **IT:** Invited Talk (20 min)
CL: Long contributed Talk (20 min), **CT:** Contributed Talk (15 min)

Sunday, 28 of May

17:00–21:30	Registration
19:00–21:00	Public outreach talk by Adrianos Golemis (in Greek) – Katerini city
20:00–23:00	Welcome reception at Mediterranean Village hotel

Monday, 29 of May

8:00–8:45	Registration		
8:45–9:00	Welcome remarks		
	Introduction Chair: Thomas Bisbas		
9:00–9:20	IT	Pamela Klaassen	MIRI's view of Star Formation - how we got here, and where we're going
9:20–9:40	IT	Elena Sabbi	Star Formation in the NIR: a NIRCам and NIRSspec Synergy
9:40–9:55	CT	Anastasio Díaz-Sánchez	A Submillimeter Lensed Barred Spiral Galaxy with Milky Way-like Gas Excitation at the Cosmic Noon
9:55–10:10	CT	Peter Zeidler	From the cluster to the clouds – a journey from the massive OB stars to the youngest, disk-bearing objects of the young star cluster NGC 602
10:10–10:25	CT	Svea Hernandez	Uncovering the fueling star formation history through cosmic time: M83 as a local probe of CO-dark gas
10:25–10:40	CT	Kathryn Grasha	Exploiting James Webb Space Telescope Observations of the First Galaxies
10:40–11:10	Coffee break		
	Massive Star Formation and Feedback in molecular clouds Chair: Anna McLeod		
11:10–11:40	IR	Angela Adamo	A 10s of parsec view of giant molecular clouds, star formation and feedback; the physical processes that drive galaxy evolution

11:40–11:55	CT	Hamid Hassani	PHANGS-JWST First Results: The 21 μm Compact Source Population
11:55–12:10	CT	Ahmad Ali	Star cluster formation and feedback in different galactic environments
12:10–12:25	CT	David Rebolledo	Multi-phase view of the ISM in the Carina Nebula
12:25–16:00	Lunch break / Beach time!		
16:00–16:15	CT	Chongchong He	Star Cluster Formation and Synthetic JWST Observation
16:15–16:30	CT	Birka Zimmerman	Feedback and SFE in High Mass Star-Forming Regions - Confronting Simulations and Observations
16:30–16:45	CT	Josefa Grossschedl	Revealing the star formation history or nearby star-forming regions in 3D space and time with Gaia
16:45–17:00	CT	Jennifer Rodriguez	Assessing Stellar Wind Feedback in 30 Doradus using Deep Chandra, Spitzer, and JWST Observations
17:00–17:15	CT	Hajime Fukushima	Radiation hydrodynamics simulations of star cluster formation in high-z galaxies
17:15–17:45	Coffee break		
17:45–18:05	CL	Francis Logan	First Results from JWST/MIRI MRS Observations of a High Mass Star Forming Region
18:05–18:20	CT	Tsang Keung Chan	Radiation hydrodynamics and Non-equilibrium thermo-chemistry of HII regions
18:20–18:35	CT	Shmuel Bialy	The Per-Tau Shell: Observing Supernova Triggering Star Formation, in 3D
18:35–18:50	CT	Kei Tanaka	MAGellanic Outflow and chemistry Survey (MAGOS): The Power of Molecular Outflows in Low-metallicity Star Formation
18:50–19:05	CT	Giuliana Cosentino	Feedback from Supernova Remnants in Molecular Clouds: Star Formation in the ISM
19:05–19:30	Poster presentations Rubén Fedriani, Prasanta Gorai, Raiga Kashiwagi, Parit Mehta, Obolentseva Marta, Iason-Michail Skretas, Martin Solar, Michihiro Takami, Mauricio Tapia, Dana Alina, Francesca Dresbach, Maya Petkova		

Tuesday, 30 of May

Star Formation in Extreme Environments			
Chair: Anna Rosen			
9:00–9:30	IR	Vivian U	Star Formation in Extreme Environments
9:30–9:50	IT	Kalliopi Dasyra	Insights into the collapse and expansion of molecular clouds in outflows from observable pressure gradients
9:50–10:05	CT	Yiqing Song	Unveiling compact star formation in local U/LIRGs with the VLA
10:05–10:20	CT	Jorge Moreno	Galaxies lacking dark matter
10:20–10:35	CT	Gareth Jones	High resolution observations of the dusty $z \sim 6.3$ starburst HFLS3 with NIRSspec IFU
10:35–10:50	CT	Prathamesh Tamhane	Radio-jet triggered star formation in a molecular gas flow
10:50–11:20	Coffee break		
11:20–11:40	CL	Yoshihisa Asada	JWST catches the mass assembly of $z \sim 5$ ultra-low-mass galaxy
11:40–11:55	CT	Samuel Crowe	Massive Protostars in the Galactic Center
11:55–12:10	CT	Dalya Baron	Star-formation and molecular gas properties of post-starburst galaxies
12:10–12:30	Poster presentations Evgenia Koutsoumpou, Coral Wheeler, Kamran Bogue, Eva Durán Camacho, Andras Joo, Raouf Mojtaba, Hannah Ambrose, Joseph Armstrong, Melika Gorgianeh, Elena Hoemann, Shinichi Kinoshita		
⚠	CONFERENCE PHOTO		
12:30–16:00	Lunch break / Beach time!		
Formation and evolution of galactic discs			
Chair: Coral Wheeler			
16:00–16:30	IR	Freeke van de Voort	Galaxy formation across cosmic time and its connection to internal and external processes
16:30–16:50	IT	Rowan Smith	How galactic environment alters molecular clouds and star formation
16:50–17:05	CT	Matt Orr	Synthetic Rest-frame UV Emission from Milky Way Progenitor Zoom-in Simulations: Observational Tests for Superbubble Feedback around Cosmic Noon
17:05–17:20	CT	Tim-Eric Rathjen	Optical emission-line diagnostics of the simulated interstellar medium in different environments

17:20–17:50	Coffee break		
17:50–18:10	CL	Sarah Jeffreson	Clouds of Theseus: long-lived molecular clouds are composed of short-lived H ₂ molecules
18:10–18:25	CT	Anna McLeod	Assessing the relative importance of pre-supernova feedback
18:25–18:40	CT	Vadim Semenov	Early Formation of Milky Way-like Disk Galaxies
18:40–18:55	CT	Anna Konstantinou	The time-dependent B-rho relation in galaxy simulations with chemistry
18:55–19:10	CT	Aurélien Le Bail	Strong Lopsidedness and Outside-in Quenching in IR-luminous Galaxies at Cosmic Noon revealed by JWST
19:10–19:30	Poster presentations Chang Won Lee, Aina Palau, Theo Richardson, Mari-Liis Aru, Katharine Johnston, Evgenia Koumpia, Aaron Labdon, Jonathan Tan, Ryota Yamamuro, Michael Busch, Thomas Bisbas		

Wednesday, 31 of May

Excursions, activities, free day!

Thursday, 1 of June

Fragmentation and the Protostellar Mass Function			
Chair: Kei Tanaka			
9:00–9:30	IR	Yueh-Ning Lee	A Review on the Mass Functions in the Star-Forming ISM
9:30–9:50	IT	Tereza Jerabkova	Bridging the Cosmic Divide: Examining Variations of the Stellar Initial Mass Function from Star Clusters to Galaxies
9:50–10:05	CT	Chi Yan Law	Polarised emissions from IRDCs: A tale of two clouds
10:05–10:20	CT	Sam Federman	IPA: Mapping Shocks in the Winds and Jets of Young Protostars Across the Mass Spectrum
10:20–10:35	CT	Yu Cheng	Star formation and the IMF in a low metallicity protocluster in the Galaxy
10:35–10:50	CT	Stefan Heigl	Turbulence in filaments leads to streamer formation
10:50–11:20	Coffee break		
11:20–11:40	CL	Piyush Sharda	Evolution of the initial mass function with interstellar medium metallicity
11:40–11:55	CT	Matthew Bate	Variation of the stellar initial mass function with redshift and metallicity
11:55–12:10	CT	Brandt Gaches	XRayTheSpot: A new method for including X-ray emission in simulations
12:10–12:30	Poster presentations Helena Faustino Vieira, Molly Finn, Constantina Fotopoulou, Laya Ghodsi, Chia Jung Hsu, Kirsten Larson, Gan Luo, Alex Pedrini, Gijs Vermariën, Ana-Mari Petrova		
12:30–16:00	Lunch break / Beach time!		
Planet formation and disc evolution			
Chair: Marta Obolentseva			
16:00–16:30	IR	Daniel Price	Planet formation and disc evolution
16:30–16:50	CL	Giuseppe Morello	Constraints on the formation of a hot Jupiter through JWST and ground-based observations
16:50–17:05	CT	Daniel Elsender	The statistical properties of protostellar discs in single and multiple systems
17:05–17:20	CT	Maria Koutoulaki	Shedding light in the inner disc of a massive young stellar object using near- and mid-infrared interferometry
17:20–17:35	CT	Michael Küffmeier	Rejuvenating infall: an overlooked source of mass and angular momentum
17:35–17:50	CT	Megan Reiter	Resolving the impact of feedback on star and planet formation

17:50–18:05	CT	Donghui Quan	Modelling on Protoplanetary Disks: Formaldehyde, Methanol and Related Species in LkCa 15 and MWC 480 Disks
18:05–19:30	Poster session		
20:00–	Conference dinner & Greek night – Poster prizes!		

Friday, 2 of June

	PAH, dust and molecular gas tracers in the low- and high- redshift Universe Chair: Brandt Gaches		
9:10–9:40	IR	Karin Sandstrom	Tracing Gas, Dust, and Star Formation in Galaxies in the Mid-IR
9:40–9:55	CT	Caleb Choban	Evolution of Galactic Dust Populations over Cosmic Time
9:55–10:10	CT	Oleg Egorov	Destruction of the PAH molecules in HII regions probed by JWST and MUSE
10:10–10:25	CT	Deb Pathak	Characterizing the Mid-Infrared Emission from Nearby Galaxies using JWST-MIRI and VLT-MUSE
10:25–10:40	CT	Lucas Einig	Deep learning denoising by dimension reduction: Application to molecular line cubes
10:40–11:10	Coffee break		
11:10–11:30	CL	Matthew Povich	Lessons from the Milky Way for JWST Star Formation Studies in Nearby Galaxies
11:30–11:45	CT	Blakesley Burkhart	Observations of H ₂ Fluorescence with the EOS/Hyperion Mission: The Molecular Cloud Life-cycle
11:45–12:00	CT	Shuowen Jin	JWST Insight into Optically Thick Dust in the Early Universe
12:00–12:15	CT	Petia Yanchulova Merica-Jones	Dust, Stellar, and 3D Geometry Properties in Nearby Galaxies from Multiband Observations of Spatially Resolved Stars
12:15–12:30	CT	Victorine Buiten	A JWST View of the Molecular ISM in LIRG VV 114
12:30–16:00	Lunch break / Beach time!		
	Star Formation Rate across the epochs Chair: Blakesley Burkhart		
16:00–16:30	IR	Daniela Calzetti	Star Formation Rates: Recipes, Ingredients, and Cooking Times
16:30–16:50	IT	Yuichi Harikane	Cosmic Star Formation History at High Redshifts Probed with JWST

16:50–17:05	CT	Kit Boyett	Utilising JWST/NIRSpec to study stellar populations of high- z galaxies ($1 < z < 9$)
17:05–17:20	CT	Michał Michalowski	Dust formation in the first galaxies
17:20–17:35	CT	Sabrina Appel	How the Gas Dynamics Set the Star Formation Rate of Molecular Clouds
17:35–18:05	Coffee break		
18:05–18:25	CL	Antonios Katsianis	The star formation of galaxies for the last 13 billion years
18:25–18:40	CT	Oleg Gnedin	Formation of massive star clusters: from high redshift to globular clusters
18:40–18:55	CT	Álvaro Segovia Otero	Modes of star formation in cosmological simulations of Milky Way-like galaxies
18:55–19:10	CT	Beena Meena	Galaxy UV Legacy Project (GULP): Hierarchical Properties of Star-Formation in Nearby Galaxies
19:10–19:30	Conference Summary & Conclusions Anna Rosen & Thomas Bisbas		

List of posters

Massive Star Formation and Feedback in molecular clouds

1	Bialy, Shmuel	1. The Per-Tau Shell: Observing Supernova Triggering Star Formation, in 3D
2		2. Cold clouds as cosmic-ray detectors
3	Fedriani, Rubén	K-band Adaptive Optics Observations of the Massive Star-Forming Region S255 close to JWST diffraction limit
4	Gorai, Prasanta	Chemical diversity of an isolated massive star formation environment
5	Kashiwagi, Raiga	Simulation Study on Star Formation Process Induced by Collisions between Filamentary Molecular Clouds
6	Mehta, Parit	Complex Gas Distribution in Extended [CII] and CO 3-2 Mapping of the M17 Nebula
7	Obolentseva, Marta	Photodissociation region simulations and synthetic imaging of protostellar outflows
8	Skretas, Iason-Michail	A detailed kinematic analysis of the DR21 Main outflow
9	Solar, Martín	Binary progenitor systems for type Ic supernovae
10	Takami, Michihiro	Exploring the Formation of High-Mass Stars Using JWST-NIRSpec
11	Tapia, Mauricio	Physical properties of the Class I young stellar objects Mol 12, a peculiar variable protostar, and of the star-forming region IRAS 23139+5939
47	Alina, Dana	Automatized search for Hub-Filament Systems in numerical simulations and real observations

Star Formation in Extreme Environments

12	Dresbach, Francesca	Star formation in the Magellanic Clouds
13	Koutsoumpou, Evgenia	Probing the Impact of Black Hole Jets on the Interstellar Medium of IC 5063
14	Petkova, Maya	Kinematics of Galactic Centre clouds shaped by shear-seeded solenoidal turbulence
15	Wheeler, Coral	Sweating the small stuff: Or how I learned to START worrying and love the smallest galaxies

Formation and evolution of galactic discs

16	Bogue, Kamran	The Impact of Magnetic Fields on the Formation and Evolution of Molecular Clouds
17	Durán Camacho, Eva	Self-consistent modelling of the Milky Way structure using live potentials
18	Fotopoulou, Constantina	Cold clouds in a very high resolution simulated dwarf starburst
19	Joo, Andras Peter	TOP200: Catalogue of pre- and protostellar cores in the 200 brightest Planck compact sources
20	Raouf, Mojtaba	Hydrodynamic simulations of the disk of gas surrounding Supermassive Black Holes; Molecular Gas Dynamics

Fragmentation and the Protostellar Mass Function

21	Ambrose, Hannah	The Evolution of Small-N Star Clusters–Consequences for Stellar Multiplicity
22	Armstrong, Joseph	Tracing the Star Formation History of Monoceros OB1 via its 6D Kinematics
23	Gorgianeh, Melika	Structure and Kinematics of Magnetized Filaments in Giant Molecular Clouds
24	Hoemann, Elena	Suppressing the edge effect via density gradients at the ends of filaments
25	Kinoshita, Shinichi	MHD simulation of cluster-forming clumps: The effect of the parental clump’s environment on the dense core
26	Lee, Chang Won	Study on Very Low Luminosity Objects with JWST
27	Palau, Aina	The role of the magnetic field in the formation of stellar clusters
28	Richardson, Theo	Expanding a framework for modeling the evolution of young stellar objects: overview and first results

Planet formation and disc evolution

29	Aru, Mari-Liis	A new generation view of the ONC proplyds with MUSE NFM
30	Johnston, Katharine	A high-resolution picture of spiral arms, instability and chemistry within the AFGL 4176 mm1 disk
31	Koumpia, Evgenia	A VLTI view of the star/disc interface around Massive Young Stellar Objects
32	Labdon, Aaron	Inner Disk View of Variable Accretion with Optical Interferometry
33	Tan, Jonathan	Inside-Out Planet Formation - From Protostellar Disks to Super-Earth Atmospheres
34	Yamamuro, Ryota	Massive Protostellar Disks as a Hot Laboratory of Silicate Grain Evolution

PAH, dust and molecular gas tracers in the near- and high- redshift

35	Bisbas, Thomas	1. The carbon cycle emission in α -enhanced ISM environments
36		2. PDFchem: a new fast method to determine ISM properties and infer environmental parameters using probability distributions
37	Busch, Michael	Tracing the Dark Molecular Gas with 18cm OH
38	Faustino Vieira, Helena	Parsec-scale molecular clouds in M51: high-resolution extinction mapping
39	Finn, Molly	ALMA-LEGUS: The Influence of Galactic Environment on Molecular Cloud Properties
40	Ghodsi, Laya	Investigating the thermodynamical state of the circumgalactic medium around the brightest cluster galaxy in MACS1931-26
41	Hsu, Chia-Jung	Chemical Evolution in Cloud Collision
42	Larson, Kirsten	Stellar Associations, Hierarchical Star Formation and their influence on PAHs in Nearby Galaxies
43	Luo, Gan	Oxygen-bearing molecules as tracers of the cosmic-ray ionization rate in nearby clouds
44	Pedrini, Alex	The morphology of dusty star formation regions as revealed by JWST
45	Petrova, Ana-Mari	CO depletion and Cosmic Ionisation rate in an IRDC interacting with a Supernova Remnant
46	Vermariën, Gijs	Machine learning based compression of gas-grain reaction networks