

## Epoch of Galaxy Quenching

Please note that all times are given in local UK time (i.e. UTC+1)

**TUESDAY 8 September: Star Formation & Gas Content**

**MORNING SESSION (09:45am-12pm UK Time)**

**Chair: Asa Bluck**

### **PROGRAM**

- 9:45 - 10:00**            **Welcome**
- 10:00 - 10:15**            **Lihwai Lin (INVITED), ASIAA**  
*Title: Scaling relations in main-sequence and green valley galaxies with the ALMaQUEST survey*
- 10:15 – 10:30**            **Jake Bennett, University of Cambridge**  
*Title: Resolving the effect of cold gas accretion and shocks on high-redshift galaxy formation*
- 10:30-10:45**            **Jindra Gensior, Heidelberg University**  
*Title: Heart of Darkness - How galactic dynamics suppress star formation in galaxy spheroids*
- 10:45-11:00**            **Michaela Hirschmann, University of Copenhagen**  
*Title: Nebular emission lines of IllustrisTNG galaxies over cosmic time: signatures for galaxy quenching*
- 11:00-11:15**            **Manuela Bischetti, INAF**  
*Title: Linking extreme star formation, molecular gas properties and mergers around luminous quasars at  $z \sim 2-5$*
- 11:15-11:30**            **Ute Lisenfield, University of Granada**  
*Title: Molecular gas in the most massive spiral galaxies*
- 11:30-12:00**            **Extra Questions & Discussion**

## **TUESDAY 8 September: Star Formation & Gas Content**

### **AFTERNOON SESSION (3pm-5pm UK Time)**

**Chair:** **Emma Curtis-Lake**

#### **PROGRAM**

**3:00-3:15** **Sara Ellison (SOC), University of Victoria**  
*Title: Complexity and scatter in kpc-scale star formation scaling relations in ALMaQUEST*

**3:15-3:30** **Fakhri Zahedy, Carnegie Observatories**  
*The Gas-Rich Circumgalactic Medium of Massive "Red and Dead" Galaxies*

**3:30-3:45** **Mallory Thorp, University of Victoria**  
*Spatially Resolved Properties of Post-Merger Galaxies with MaNGA and ALMA*

**3:45-4:00** **Jorge Zavala, University of Texas at Austin**  
*Studying the gas content and star formation activity in galaxy proto-clusters: evidence of early environmental quenching?*

**4:00-4:15** **Sirio Belli, Harvard-Smithsonian CfA**  
*Quenching, Rejuvenation, and Molecular Gas at  $z\sim 1$*

**4:15-4:30** **Kate Rowlands, STScI**  
*Resolving the quenching of star formation in post-starburst galaxies*

**4:30-5:00** **Extra Questions & Discussion**

## **WEDNESDAY 9 September: Chemical Composition, Structure, & The Role of Environment**

### **MORNING SESSION (10am-12pm UK Time)**

**Chair:** **Roberto Maiolino**

#### **PROGRAM**

**10:00-10:15** **Francesco Belfiore (INVITED), ESO**

*Title: Connecting chemical abundances with star formation histories in large galaxy surveys*

**10:15-10:30** **Sonali Sachdeva, Peking University**

*Title: Correlation of bulge transformation in disc galaxies with the gradual decrease in their stellar activity*

**10:30-10:45** **Peter Watson, University of Oxford**

*Title: The  $[\alpha/\text{Fe}]$ - $R$  Relation as a Function of Mass and Environment*

**10:45-11:00** **José Luis Tous, Universitat de Barcelona**

*Title: Spectral classification of S0 galaxies in the nearby universe: a tale of two sub-populations*

**11:00-11:15** **Adam Carnall, IfA Royal Observatory Edinburgh**

*Title: The stellar metallicities of massive quiescent galaxies at  $1.0 < z < 1.5$*

**11:15-11:30** **James Trussler, University of Cambridge**

*Title: Unveiling the roles of mass, environment and structure in galaxy quenching*

**11:30-12:00** **Extra Questions & Discussion**

## **WEDNESDAY 9 September: Chemical Composition, Structure, & The Role of Environment**

### **AFTERNOON SESSION (3pm-5pm UK Time)**

**Chair:** Sara Ellison

#### **PROGRAM**

**3:00-3:15** Joanna Woo (INVITED), Simon Fraser University

*Title: Structural Evolution and Quenching*

**3:15-3:30** Grecco Oyarzun, UCSC

*Title: SDSS-IV MaNGA: The impact of environment on the formation of passive central galaxies*

**3:30-3:45** Carter Rhea, University of Montreal

*Title: A novel mechanism for the creation of stellar mass in galaxy clusters*

**3:45-4:00** Marziye Jafariyazani, Carnegie Observatories

*Title: The stellar chemical abundances of the brightest quiescent galaxy at  $z \sim 2$  accompanied by its age and metallicity gradients*

**4:00-4:15** Alessandro Marconi, University of Florence

*Title: Outflow physical properties and star formation quenching*

**4:15-4:30** Sandro Tacchella (INVITED), Harvard-Smithsonian CfA

*Title: The diversity of building up the quiescent sequence at  $z \sim 1$*

**4:30-5:00** Extra Questions & Discussion

## **THURSDAY 10 September: The Role of Feedback**

### **MORNING SESSION (10am-12pm UK Time)**

**Chair:** **Steve Eales**

#### **PROGRAM**

**10:00-10:15** **Asa Bluck (SOC), University of Cambridge**

*Title: How do central and satellite galaxies quench? - Evidence for AGN feedback & environmental quenching in the MaNGA IFU Survey*

**10:15-10:30** **Yu Qiu, Kavli Insitute for Astronomy & Astrophysics**

*Title: Untangling the Properties and Effects of AGN Feedback in Galaxy Clusters*

**10:30-10:45** **Federica Loiacono, University of Bologna**

*Title: Can AGN outflows contribute to forming the spheroidal component of galaxies?*

**10:45-11:00** **Tiago Costa, MPA**

*Title: Powering galactic super-winds with small-scale AGN winds and radiation*

**11:00-11:15** **Michele Ginolfi, University of Geneva**

*Title: Star formation-driven feedback and circumgalactic enrichment in the Early Universe*

**11:15-11:30** **Charlotte Avery, University of Bath**

*Title: Incidence, scaling relations and physical conditions of ionised gas outflows in MaNGA*

**11:30-12:00** **Extra Questions & Discussion**

## **THURSDAY 10 September: The Role of Feedback**

### **AFTERNOON SESSION (3pm-5pm UK Time)**

**Chair:** **Emma Curtis-Lake**

#### **PROGRAM**

- 3:00-3:15** **Julie Hlavacek-Larrondo (SOC), University of Montreal**  
*Title: The role of AGN feedback in galaxy clusters for the last 10 billion years*
- 3:15-3:30** **Bryan Terrazas, Harvard-Smithsonian CfA**  
*Title: Exploring the link between star formation activity and black hole mass in galaxies*
- 3:30-3:45** **Giacomo Venturi, Pontificia Universidad Catolica de Chile**  
*Title: Dissecting ionised gas outflows and feedback in nearby AGN through integral field spectroscopy*
- 3:45-4:00** **Alice Concas, University of Cambridge**  
*Title: Unveiling the role of ejective feedback from  $z \sim 2$  to the present*
- 4:00-4:15** **Tjitske Starkenburg, CIERA Northwestern University**  
*Title: The populations of star forming and quiescent galaxies in large-scale cosmological simulations*
- 4:15-4:30** **Gareth Jones, University of Cambridge**  
*Title: A Sub-Dominant Starburst-Driven Outflow at  $z \sim 5.7$*
- 4:30-5:00** **Extra Questions & Discussion**