

Program

From Black Hole to Environment: Galaxy Evolution over Multiple Wavelengths

Barton Theatre, Crawford School of Business, Australian National University
21-24 August 2017

MONDAY 21 AUGUST 2017

Time	Item
8:30am – 9:50am	Registration Desk Open <i>Foyer of Barton Theatre</i> <i>Crawford School of Business, Australian National University</i>
Welcome	
10:00am	Welcome/Acknowledgement of Country <i>Barton Theatre, Australian National University</i>
10:05am – 10:15am	Welcome and Workshop Objectives Julie Banfield, SOC/LOC Chair
10:15am – 10:45am	Jorge Moreno (invited review) <i>Conference Overview</i> <i>Galaxy Mergers and Interactions: Lessons Learned from Observations and Simulations</i> (25 minute presentation + 5 minute Q&A)
Session I: Galaxy Cluster I Session Chair: Ivy Wong	
10:45am – 11:15am	Melanie Johnston Hollitt (invited review) <i>Galaxy Groups, Clusters, and Large Scale Structure: Open Questions and Opportunities</i> (25 minute presentation + 5 minute Q&A)
11:15am – 11:35am	Scott Barrows <i>Evolution of Stellar Populations and Supermassive Black Holes in Late-Stage Galaxy Mergers</i> (17 minute presentation + 3 minute Q&A)

11:35am – 11:45am	Martin Krause <i>Jets Signify Close Binary Supermassive Black Holes</i> (8 minute presentation + 2 minute Q&A)
11:45am – 12:00pm	Poster Sparklers (1 minute presentations)
12:00pm – 1:30pm	Lunch <i>Foyer of Barton Theatre</i>
Session II: Galaxy Cluster II Session Chair: Sukyoung Yi	
1:30pm – 1:50pm	Sarah Brough <i>Environment or Mass? The Kinematic Morphology-Density Relationship</i> (17 minute presentation + 3 minute Q&A)
1:50pm – 2:00pm	Lauranne Lanz <i>AGN in Early Phases of Galaxy Transformation</i> (8 minute presentation + 2 minute Q&A)
2:00pm – 2:10pm	Tiffany Day <i>Major Cluster Mergers as Drivers of Galaxy Evolution and Transformation</i> (8 minute presentation + 2 minute Q&A)
2:10pm – 3:00pm	Discussion Panel 1 Chair: Johnston-Hollitt Barrows, Krause, Lanz, Brough
3:00pm – 3:30pm	Afternoon Tea <i>Foyer of Barton Theatre</i>

Session III: High Redshift Universe I

Session Chair: Sarah White

3:30pm – 3:45pm	Elisabete da Cunha (invited survey) <i>The TAIPAN Galaxy Survey: Towards a new Galaxy Evolution Sample in the Local Universe</i> (12 minute presentation + 3 minute Q&A)
3:45pm – 4:05pm	Jacinta Delhaize <i>Statistical Studies of Star Formation in AGN to $z \sim 5$ from a Combined Infrared and Radio Continuum Perspective</i> (17 minute presentation + 3 minute Q&A)
4:05pm – 4:15pm	Colin DeGraf <i>Supermassive Black Hole Seeds in Cosmological Simulations</i> (8 minute presentation + 2 minute Q&A)
4:15pm – 5:00pm	Discussion Panel 2 Chair: Wolf Falkendal, Delhaize, DeGraf, Bian
5:00pm – 6:30pm	Welcome Reception/Poster Session <i>Foyer Barton Theatre</i>
6:30pm	Dinner – Delegates Own Choice

TUESDAY 22 AUGUST 2017

Time	Item
8:30am – 8:55am	Registration Desk Open <i>Foyer of Barton Theatre</i>
8:55am – 9:00am	Announcements <i>Julie Banfield/Kylie Williams</i>
Session IV: High Redshift II	
Session Chair: :	
9:00am – 9:20am	Mike Dopita <i>Results from S7: The Siding Spring Southern Seyfert Spectroscopic Snapshot Survey</i> (17 minute presentation + 3 minute Q&A)
9:20am – 9:40am	Theresa Falkendal <i>Evidence for Quenching in High Redshift Radio Galaxies from Multi-Resolution Radio-to-IR SED Fitting.</i> (17 minute presentation + 3 minute Q&A)
9:40am- 9:50am	Fuyan Bian <i>Massive Galaxy Formation: What can we Learn from the most Luminous Lyman Break Galaxies at Redshift $z=3$</i> (8 minute presentation + 2 minute Q&A)
9:50am – 9:55am	William Pearson <i>The Main Sequence of Star Forming Galaxies beyond Herschel's Confusion Limit</i> (5 minute presentation)
9:55am – 10:05am	O. Ivy Wong <i>Radio Galaxy Zoo Data Release 1</i> (8 minute presentation + 2 minute Q&A)
10:05am – 11:00am	Morning Tea <i>Foyer of Barton Theatre</i>

Session V: Galaxy Cluster III

Session Chair: Anna Zovaro

11:00am – 11:10am	Marvin Blank <i>The NIAHO Project: High Resolution Simulations of Galaxy Formation and Evolution</i> (8 minute presentation + 2 minute Q&A)
11:10am – 11:30am	Sukyoung Yi <i>Zoom-in Hydrodynamic Simulations of Clusters and Galaxy Evolution</i> (17 minute presentation + 3 minute Q&A)
11:30am – 11:40am	Fulai Guo <i>Reversing Cooling Flows with AGN-Driven Shock Waves</i> (8 minute presentation + 2 minute Q&A)
11:40am – 11:50am	Andra Stroe <i>Cosmic Tsunamis and Tornadoes</i> (8 minute presentation + 2 minute Q&A)
11:50am – 12:30pm	Discussion Panel 3 Chair: Dopita Blank, Guo, Stroe, Yi
12:30pm – 2:00pm	Lunch <i>Foyer of Barton Theatre</i>

Session VI: High Redshift Universe III

Session Chair: Scott Croom

2:00pm – 2:15pm	Natasha Hurley-Walker (invited survey - remote) <i>GLEAM: Exploring the Births and Deaths of AGN</i> (12 minute presentation + 3 minute Q&A)
2:15pm – 2:45pm	Nicole Nesvadba (invited review) <i>AGN Fuelling and Feedback in the Early Universe -- What do we Really Know?</i> (25 minute presentation + 5 minute Q&A)
2:45pm – 3:05pm	Jonathan Rogers <i>Energetics of Radio-Loud AGN from Multiwavelength Surveys</i> (17 minute presentation + 3 minute Q&A)
3:05pm – 3:15pm	Theresa Falkendal <i>ALMA Reveals Large Scale [CII] Emission Around a High Redshift Galaxy</i> (8 minute presentation + 2 minute Q&A)

3:15pm – 3:25pm	Darshan Kakkad <i>Ionized and Molecular Gas Studies to Unveil AGN Feedback at High Redshift</i> (8 minute presentation + 2 minute Q&A)
3:25pm – 3:35pm	Ross Turner <i>Radio Galaxies as Standard Candles</i> (8 minute presentation + 2 minute Q&A)
3:35pm – 3:40pm	Yuxiang Qin <i>DRAGONS: The Small Contribution of Quasars to Reionization</i> (5 minute presentation)
3:40pm – 4:00pm	Afternoon Tea <i>Foyer of Barton Theatre</i>
Session VII: High Redshift Universe IV Session Chair: Dipanjan Mukherjee	
4:00pm – 4:20pm	Lilian Garratt-Smithson <i>Slow and Steady to Win the Race? High Mass X-Ray Binary Feedback in Low-Mass Galaxies</i> (17 minute presentation + 3 minute Q&A)
4:20pm – 4:30pm	Christian Wolf <i>The Growth of Supermassive Black Holes 1 Gyr after the Big Bang</i> (8 minute presentation + 2 minute Q&A)
4:30pm – 4:40pm	Guillaume Drouart <i>AGN Evolution from the Radio SED of High-Z Powerful Radio Galaxies</i> (8 minute presentation + 2 minute Q&A)
4:40pm – 4:50pm	Rajan Chhetri <i>Properties of Subarcsecond Compact Source Population Identified using Widefield Interplanetary Scintillation with the MWA</i> (8 minute presentation + 2 minute Q&A)
4:50pm – 5:30pm	Discussion Panel 4 Chair: Nesvadba Turner, Garratt-Smithson, Kakkad, Drouart
5:30pm – 6:30pm	Poster Session (food + drinks) <i>Dinner – delegates own choice</i>

WEDNESDAY 23 AUGUST 2017

Time	Item
8:30am – 8:55am	Registration Desk Open <i>Foyer of Barton Theatre</i>
8:55am – 9:00am	Announcements <i>Julie Banfield/Kylie Williams</i>
Session VIII: Low Redshift Universe I Session Chair: Enrico Di Teodoro	
9:00am – 9:30am	Sugata Kaviraj (invited review) <i>The Triggering of AGN in the Local Universe and their Role in Shaping Galaxy Evolution</i> (25 minute presentation + 5 minute Q&A)
9:30am – 9:50am	Anna Ferre-Mateu <i>SMBHs Coevolution Challenged by nearby Fossil Red Nuggets.</i> (17 minute presentation + 3 minute Q&A)
9:50am- 10:00am	Meiert Grootes <i>The Baryon Cycle and its (lack of) Environmental Dependencies</i> (8 minute presentation + 2 minute Q&A)
10:00am – 10:10am	Sanchayeeta Borthakur <i>What does the Circumgalactic Medium tell us about the Galaxy Color Dichotomy</i> (8 minute presentation + 2 minute Q&A)
10:10am – 10:15am	Sarah White <i>The MWA GLEAM 4-Jy Sample</i> (5 minute presentation)
10:15am – 11:00am	Morning Tea <i>Foyer of Barton Theatre</i>

Session IX: Low Redshift II**Session Chair: William Pearson**

11:00am – 11:20am	Julie Banfield <i>Shaping the Circumgalactic Medium Through Radio-Loud AGN Interactions on KPC Scales</i> (17 minute presentation + 3 minute Q&A)
11:20am – 11:30am	Elizabeth Mahony <i>Jet-Driven Outflows of Cold Gas: The Case of 3C293</i> (8 minute presentation + 2 minute Q&A)
11:30am – 11:40am	Philip Taylor <i>Galaxies Growing Old: The Transition to Quiescence at 3×10^{10} Solar Masses</i> (8 minute presentation + 2 minute Q&A)
11:40am – 11:50am	Stas Shabala <i>Fundamentally Confused? Nature, Nurture and Radio Galaxy Scaling Relations</i> (8 minute presentation + 2 minute Q&A)
11:50am – 11:55am	Lucia Armillotta <i>The Physics of the Disc-Corona Interface: How Feedback Regulates Accretion and Quenching</i> (5 minute presentation)
11:55am – 12:30pm	Discussion Panel 5 Chair: Kaviraj Ferre-Mateu, Borthakur, Taylor, Grootes, Mahoney, Krumholz
12:30pm – 2:00pm	Lunch <i>Foyer of Barton Theatre</i>

Session X: Low Redshift III**Session Chair: Lauranne Lanz**

2:00pm – 2:15pm	Christian Wolf <i>SkyMapper</i> (12 minute presentation + 3 minute Q&A)
2:15pm – 2:45pm	Katey Alatalo (invited review) <i>Shining Light on the Pathways of Galaxy Transformation</i> (25 minute presentation + 5 minute Q&A)

2:45pm – 3:05pm	Angel Lopez-Sanchez <i>The Neutral Gas Content of the CALIFA Galaxies</i> (17 minute presentation + 3 minute Q&A)
3:05pm – 3:15pm	Scott Croom <i>Resolving Environmental Quenching of Star Formation with SAMI</i> (8 minute presentation + 2 minute Q&A)
3:15pm – 3:25pm	Adam Thomas <i>Spatially-Resolved Measurements of Narrow Line Region and HII Region Abundances in an Active Galaxy</i> (8 minute presentation + 2 minute Q&A)
3:25pm – 3:30pm	Darshan Kakkad <i>Spatially Resolved Electron Density and ISM Conditions in Low-Redshift AGNs</i> (5 minute presentation)
3:30pm – 4:00pm	Afternoon Tea <i>Foyer of Barton Theatre</i>
Session XI: Low Redshift IV	
Session Chair: Jonathan Rogers	
4:00pm – 4:20pm	Dan Taranu <i>Feedback and the Structure of Local Galaxies: Insight from Simulations and Integral Field Kinematics</i> (17 minute presentation + 3 minute Q&A)
4:20pm – 4:30pm	Sarah White <i>Accretion and Star Formation in “Radio-Quiet” Quasars</i> (8 minute presentation + 2 minute Q&A)
4:30pm – 4:40pm	Jesse Swan <i>Cosmic Evolution of Star Formation and AGN Activity as Probed by ATLAS</i> (8 minute presentation + 2 minute Q&A)
4:40pm – 4:50pm	Kevin Schawinski <i>A Universal Model for the AGN Phenomenon</i> (8 minute presentation + 2 minute Q&A)
4:50pm – 5:30pm	Discussion Panel 6 Chair: Croom Taranu, Alatalo, Schawinski, White
7:00pm – 10:00pm	Conference Dinner Old Parliament House

THURSDAY 24 AUGUST 2017

Time	Item
8:30am – 8:55am	Registration Desk Open <i>Foyer of Barton Theatre</i>
8:55am – 9:00am	Announcements <i>Julie Banfield/Kylie Williams</i>
Session XII: Centre of Galaxies I Session Chair: Tiffany Day	
9:00am – 9:30am	Chris Power (invited review) <i>AGN Feeding and Feedback in Central Galaxies</i> (25 minute presentation + 5 minute Q&A)
9:30am – 9:50am	Martin Bourne <i>Simulation of Jets and Winds from Supermassive Black Holes</i> (17 minute presentation + 3 minute Q&A)
9:50am- 10:00am	Rainer Weinberger <i>Supermassive Black Hole Feedback in the Next Generation Illustris Simulations</i> (8 minute presentation + 2 minute Q&A)
10:00am – 10:10am	Renuka Pechetti <i>Enhanced Mass-to-Light Ratios in Low Mass Early Type Galaxies</i> (8 minute presentation + 2 minute Q&A)
10:10am – 10:20am	Dipanjan Mukherjee <i>Relativistic Jet Feedback in Gas Disks</i> (8 minute presentation + 2 minute Q&A)
10:20am – 11:00am	Morning Tea <i>Foyer of Barton Theatre</i>

Session XIII: Centre of Galaxies II**Session Chair: Guillaume Drouart**

11:00am – 11:20am	Geoff Bicknell (invited) <i>Relativistic Jet Feedback in Evolving Galaxies</i> (17 minute presentation + 3 minute Q&A)
11:20am – 11:30am	Robert Schulz <i>Jet-Driven HI Outflows in Radio Galaxies – A VLBI Perspective</i> (8 minute presentation + 2 minute Q&A)
11:30am – 11:40am	Anna Zovaro <i>Catching Feedback in the Act at the Sub-KPC Scale</i> (8 minute presentation + 2 minute Q&A)
11:40am – 11:50am	Michael Drinkwater <i>Black Holes in Both Normal and Disrupted Dwarf Galaxies</i> (8 minute presentation + 2 minute Q&A)
11:50am – 11:55am	Darren Croton <i>The Many Lives of AGN II: The Formation and Evolution of Radio Jets and their Impact on Galaxy Evolution</i> (5 minute presentation)
11:55am – 12:30pm	Discussion Panel 7 Chair: Bland-Hawthorn Power, Bourne, Croton, Pechetti
12:30pm – 1:30pm	Lunch <i>Foyer of Barton Theatre</i>

Session XIV: Centre of Galaxies III**Session Chair: Lucia Armillotta**

1:30pm – 1:45pm	Julia Bryant (invited survey) <i>The SAMI Galaxy Survey: Origins of Gas in Galaxies Traced by Kinematic Misalignments</i> (12 minute presentation + 3 minute Q&A)
1:45pm – 2:15pm	Mark Krumholz (invited review) <i>Star Formation, Fuelling and Feedback in Galactic Centres</i> (25 minute presentation + 5 minute Q&A)
2:15pm – 2:35pm	Pei-Ying Hsieh <i>The Fossil Nuclear Outflow in the Central 30pc of the Galactic Center</i> (17 minute presentation + 3 minute Q&A)

2:35pm – 2:45pm	Enrico Di Teodoro <i>Atomic Hydrogen Clouds Tracing the Galactic Nuclear Outflow</i> (8 minute presentation + 2 minute Q&A)
2:45pm – 2:55pm	Joss Bland-Hawthorn <i>The Milky Way: Evidence for the Seyfert Activity in the Recent Past</i> (8 minute presentation + 2 minute Q&A)
2:55pm – 3:30pm	Afternoon Tea <i>Foyer of Barton Theatre</i>
Session XV: Centre of Galaxies IV Session Chair: Julia Bryant	
3:30pm – 3:50pm	Sebastian Bustamante Jaramillo <i>Spin Evolution of Supermassive Black Holes in a Cosmological Context</i> (17 minute presentation + 3 minute Q&A)
3:50pm – 4:00pm	Natalia Eire Sommer <i>Reverberation Mapping with DES/OzDES</i> (8 minute presentation + 2 minute Q&A)
4:00pm – 4:20pm	Conference Summary Stas Shabala & Ivy Wong (20 minute presentation)
4:20pm	CLOSE