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Education

- **Australian National University (ANU)** Canberra, Australia
Ph.D. in Astronomy & Astrophysics Mar 2021 - present
– Primary supervisor: A/Prof. Emily Wisnioski
- **Seoul National University (SNU)** Seoul, Korea
M.S. in Astronomy Mar 2018 - Aug 2020
– Advisors: Prof. Myung Gyoon Lee, Dr. Ho Seong Hwang
– Thesis: *Star Formation Activity of Galaxies Undergoing Ram Pressure Stripping in the Virgo Cluster*
- **University of California, Los Angeles (UCLA)** Los Angeles, CA, USA
B.S. in Astrophysics Sep 2012 - Jun 2016

Research Appointments

- **Korea Astronomy and Space Science Institute (KASI)** Daejeon, Korea
Visiting Researcher Sep 2020 - Feb 2021
– Host: Dr. Ho Seong Hwang

Teaching Experience

- **Seoul National University (SNU)** Seoul, Korea
Graduate Teaching Assistant Mar 2019 - June 2019 / Mar 2020 - June 2020
– *Techniques in Astronomical Observation*
– Covered topics ranging from basics of data reduction, aperture and PSF photometry, deep field photometry, to long-slit spectroscopy, along with the basics of IRAF and SExtractor.

Publications

First-author publications

- **Mun, M.**, Wisnioski, E., Battisti, A.J., Mendel, J.T., Ellison, S.L., et al. (2024) *The MAGPI Survey: evolution of radial trends in star formation activity across cosmic time*, MNRAS, 530, 5072M.
- **Mun, J.Y.**, Hwang, H.S., Lee, M.G., Chung, A., Yoon, H., Lee, J.C. (2021) *Star Formation Activity of Galaxies Undergoing Ram Pressure Stripping in the Virgo Cluster*, JKAS, 54, 17.

Co-author publications

- Mai, Y., et al. (**Mun, M.**) (2024) *The MAGPI Survey: the evolution and drivers of gas turbulence in intermediate-redshift galaxies*, submitted to MNRAS.
- Park, H.-J., et al. (**Mun, M.**) (2024) *The spatially resolved relation between dust, gas, and metal abundance with the TYPHOON survey*, submitted to MNRAS.
- Derkenne, C., et al. (**Mun, M.**) (2024) *The MAGPI Survey: Massive slow rotator population in place by $z \sim 0.3$* , submitted to MNRAS.
- Chen, Q.-H., et al. (**Mun, M.**) (2024) *The MAGPI Survey: effects of spiral arms on different tracers of the interstellar medium and stellar populations at $z \sim 0.3$* , MNRAS, 527, 2991C.
- Bagge, R.S., et al. (**Mun, M.**) (2023) *The MAGPI Survey: Drivers of kinematic asymmetries in the ionised gas of $z \sim 0.3$ star-forming galaxies*, PASA, 40, 60B.
- Lee, J.H., Lee, M.G., **Mun, J.Y.**, Cho, B., Kang, J. (2022) *A GMOS/IFU Study of Jellyfish Galaxies in Massive Clusters*, ApJ, 940, 24.
- Lee, J.H., Lee, M.G., **Mun, J.Y.**, Cho, B., Kang, J. (2022) *Enhanced Star Formation Activity of Extreme Jellyfish Galaxies in Massive Clusters and the Role of Ram Pressure Stripping*, ApJL, 931L, L22.

Presentations

Conference talks / Colloquia

- *Unifying observations and theory: Investigating radial trends in star formation across cosmic time with the MAGPI survey*, Galaxy Transformation Across Space and Time – 3rd ESO-Australia meeting, Australian Academy of Science, Canberra, Australia, Sep. 4–8, 2023
- *Unifying observations and theory: Investigating radial trends in star formation across cosmic time with the MAGPI survey*, Astronomical Society of Australia (ASA) Annual Science Meeting (ASM) 2023, Macquarie University, Sydney, Australia, Jul. 3–7, 2023
- *Spatially resolving the star formation activity of galaxies at 3 – 4 Gyrs of lookback time with MAGPI*, Epoch of Galaxy Quenching 2022, Kavli Institute for Cosmology, Cambridge, United Kingdom, Sep. 5–9, 2022
- *Spatially resolving the star formation activity of galaxies at 3 – 4 Gyrs of lookback time with MAGPI*, IAU Symposium 373: Resolving the Rise and Fall of Star Formation in Galaxies, Busan, Korea, Aug. 9–11, 2022
- *The Effects of Ram Pressure Stripping on the Star Formation Activity of Galaxies in the Virgo Cluster*, Invited, Korean Young Astronomers Meeting (K-YAM) Colloquium, Virtual, Nov. 19, 2021
- *The Effects of Ram Pressure Stripping on the Star Formation Activity of Galaxies in the Virgo Cluster*, Galaxy Evolution Workshop 2020, Virtual, Feb. 2–5, 2021

Selected poster presentations

- **Mun, J.Y.**, Hwang H.S., Chung, A., Yoon, H., Lee, M.G. (2019) *Examining the star formation properties of galaxies in the Virgo cluster undergoing ram pressure stripping*. Korean Astronomical Society Spring Meeting, Busan, Korea, Apr. 10–12, 2019

Awards

- ANU RSAA Olin J Eggen Research Award (2,500 AUD) 2023–2024
– *For excellence in research by an international PhD student in astronomy & astrophysics*
- ANU RSAA Supplementary Scholarship 2021–2024
- ANU PhD Scholarship 2021–2024
- Korean Astronomical Society (KAS) Rising Star Award (500,000 KRW) 2021
– *For best student paper published in JKAS in the first half of 2021*
- SNU Merit-Based Scholarship 2018, 2019

Leadership and Services

- ASTRO-3D ANU Student Representative Apr 2022 - Mar 2024
– *Point of contact for student concerns at the ANU node of ASTRO-3D*
- ASTRO-3D Student Committee Chair Apr 2023 - Mar 2024
– *Lead the committee to run student workshops for networking & career development opportunities*

Computational Skills

Programming and Markup Languages

- Python, L^AT_EX, IDL (basic), Bash (command line)

Software

- IRAF, SExtractor, GALFIT, LePhare, PSFex

Collaborations/Memberships

- MAGPI (Middle Ages Galaxy Properties with Integral Field Spectroscopy)
- ASTRO-3D (ARC Centre of Excellence in All Sky Astrophysics in 3 Dimensions)
- ASA (Astronomical Society of Australia)