

Curriculum Vitae

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Professional Appointments

OCT. 2016 - Postdoctoral fellow, Research School of Astronomy & Astrophysics,
Australian National University

APR. 2015 - SEP. 2016 Research Fellow of Japan Society for the Promotion of Science

Education

APR. 2013 - MAR. 2016 Ph.D. at Department of CosmoSciences, Graduate School of Science, Hokkaido University

APR. 2011 - MAR. 2013 M.Sc at Department of CosmoSciences, Graduate School of Science, Hokkaido University

APR. 2007 - MAR. 2011 B.Sc at Department of Physics, School of Science, Hokkaido University

Refereed Publications

- FIRST AUTHOR : (4) “*Short-lived radioisotopes in meteorites from Galactic-scale correlated star formation*”
Yusuke Fujimoto, Mark R. Krumholz & Shogo Tachibana
Monthly Notices of the Royal Astronomical Society, Volume 480, Issue 3, p.4025-4039, 11/2018
- (3) “*GMC Evolution in a Barred Spiral Galaxy with Star Formation and Thermal Feedback*”
Yusuke Fujimoto, Greg L. Bryan, Elizabeth J. Tasker, Asao Habe & Christine M. Simpson
Monthly Notices of the Royal Astronomical Society, Volume 461, Issue 2, p.1684-1700, 09/2016
- (2) “*Environmental dependence of star formation induced by cloud collisions in a barred galaxy*”
Yusuke Fujimoto, Elizabeth J. Tasker & Asao Habe
Monthly Notices Letters of the Royal Astronomical Society, Volume 445 Issue 1, p.65-69, 11/2014
- (1) “*Do Giant Molecular Clouds Care About the Galactic Structure?*”
Yusuke Fujimoto, Elizabeth J. Tasker, Mariko Wakayama & Asao Habe
Monthly Notices of the Royal Astronomical Society, Volume 439 Issue 1, p.936-953, 03/2014
- COAUTHOR : (6) “*Mixing of metals during star cluster formation: statistics and implications for chemical tagging*”,
Lucia Armillotta, Mark R. Krumholz & **Yusuke Fujimoto**, Monthly Notices of the Royal Astronomical
Society, Volume 481, Issue 4, p.5000-5013, 12/2018
- (5) “*The changing GMC population in galaxy interactions*”, Alex R. Pettitt, Fumi Egusa, Clare
L. Dobbs, Elizabeth J. Tasker, **Yusuke Fujimoto** & Asao Habe, Monthly Notices of the Royal
Astronomical Society, Volume 480, Issue 3, p.3356-3375, 11/2018
- (4) “*Large velocity dispersion of molecular gas in bars of strongly barred galaxies, NGC 1300 and NGC
5383*”, Fumiya Maeda, Kouji Ohta, **Yusuke Fujimoto**, Asao Habe & Junichi Baba, Publications of the
Astronomical Society of Japan, Volume 70, Issue 3, id.37, 06/2018

- COAUTHOR : (3) “Effects of galactic disc inclination and resolution on observed GMC properties and Larson's scaling relations”, Hsi-An Pan, **Yusuke Fujimoto**, Elizabeth J. Tasker, Erik Rosolowsky, Dario Colombo, Samantha M. Benincasa & James Wadsley, Monthly Notices of the Royal Astronomical Society, Volume 458, Issue 3, p.2443-2453, 05/2016
- (2) “What is a GMC? Are observers and simulators discussing the same star-forming clouds?”, Hsi-An Pan, **Yusuke Fujimoto**, Elizabeth J. Tasker, Erik Rosolowsky, Dario Colombo, Samantha M. Benincasa & James Wadsley, Monthly Notices of the Royal Astronomical Society, Volume 453, Issue 3, p.3082-3099, 11/2015
- (1) “*Emergence of the Kennicutt-Schmidt Relation from the Small-Scale SFR-Density Relation*”, Nickolay Y. Gnedin, Elizabeth J. Tasker & **Yusuke Fujimoto**, Astrophysical Journal Letters, Volume 787 Issue 1, 05/2014

International conference talks (selected)

- (5) IAU Symposium 345; Origins: From the Protosun to the First Steps of Life, Vienna (Austria), Aug. 2018
- (4) The Multi-Scale Physics of Star Formation and Feedback during Galaxy Formation, Heidelberg (Germany), Jun. 2018
- (3) Life Cycle of Gas in Galaxies: A Local Perspective, Dwingeloo (Netherlands), Aug. 2015
- (2) From Galactic to Extragalactic Star Formation, Marseille (France), Sep. 2014
- (1) The Impact of Galactic Structure on Star Formation, Sapporo (Japan), Feb. 2014

Fellowship

- (1) Research Fellow of Japan Society for the Promotion of Science for graduate student (category: DC2), Apr. 2015 - Sep. 2016

Research Grant

- (4) Japan Society for the Promotion of Science, 2016, 900,000 Yen (~7500 USD)
- (3) Japan Society for the Promotion of Science, 2015, 1,000,000 Yen (~8300 USD)
- (2) Clark Memorial Foundation, 2014, 500,000 Yen (~4100 USD)
- (1) Alumni association of Faculty of Science Hokkaido University, 2012, 100,000 Yen (~800 USD)

Scholarship

- (7) Japan Student Services Organization (support due to outstanding achievement of doctor course research activities), 2013 - 2015
- (6) Scholarship of Graduate School of Science Hokkaido University for young researchers, 2014
- (5) Scholarship of Graduate School of Science Hokkaido University for young researchers, 2013
- (4) Moriyasu Scholarship Foundation, 2013 - 2016
- (3) Japan Student Services Organization (support due to outstanding achievement of master course research activities), 2011 - 2013
- (2) Ushio Foundation, 2011 - 2013
- (1) Kawamura Scholarship Foundation, 2008 - 2011

Study Abroad Experience

- (1) Sep. 2013 - Jan. 2014 and Sep. 2014 - Feb. 2015, Columbia University in the City of New York
Financially supported via a grant from the “Young Researcher Overseas Visits Program for Vitalising Brain Circulation Program” which is organised by the Japan Society for the Promotion of Science

References

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