

Curriculum Vitae

Yutaka Hirai

Gender: Male

Nationality: Japanese

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Current Address:

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Current Position:

Research Fellow of Japan Society for the Promotion of Science-CPD

(JSPS Cross-border Postdoctoral Research Fellow),

Department of Physics and Astronomy, University of Notre Dame;

Astronomical Institute, Tohoku University

Degree

Ph.D. in Astronomy, March 2018, The University of Tokyo

Education History

April 2015 – March 2018

Department of Astronomy, The University of Tokyo

Ph.D. in Astronomy (March 2018)

April 2013 – March 2015

Department of Astronomy, The University of Tokyo

M.Sc. in Astronomy (March 2015)

April 2009 – March 2013

Department of Physics, Waseda University

B.Sc. in Physics (March 2013)

Appointments

December 2021 – present

JSPS Research Fellow (CPD), Department of Physics and Astronomy,

University of Notre Dame

October 2021 – present

JSPS Research Fellow (CPD), Astronomical Institute, Tohoku University

November 2023

JSPS-ERC Fellow, Department of Astronomy, University of Geneva

April 2021 – March 2022:

Visiting Scientist, RIKEN Center for Computational Science

April 2021 – September 2021

JSPS Research Fellow (PD), Astronomical Institute, Tohoku University

April 2018 – March 2021:

Special Postdoctoral Researcher (SPDR), RIKEN Center for Computational Science

April 2018 – September 2020:

Part-Time Lecturer, Department of Physics, Konan University

April 2015 – March 2018:

JSPS Research Fellow (DC1), Department of Astronomy, The University of Tokyo

Teaching Experience

April 2018 – September 2020:

Part-Time Lecturer, ‘Mathematics for Physics I,’

Department of Physics, Konan University

April 2014 – September 2014:

Teaching Assistant, ‘Astrophysics Seminar,’

Department of Astronomy, The University of Tokyo

March 2014:

Teaching Assistant, ‘Galaxy School 2014,’

Kiso Observatory, The University of Tokyo

Academic Honors

JSPS Research Fellow (CPD), October 2021

JSPS Research Fellow (PD), April 2021

Participation in the Global Young Scientist Summit (GYSS) 2020, January 2020

RIKEN Special Postdoctoral Researcher (SPDR), April 2018

Springer Theses, April 2018

Oral Presentation Award in Summer School on Astronomy and Astrophysics for Young Astronomers, July 2015

JSPS Research Fellow (DC1), April 2015

Scholarship by Iwadare Scholarship Foundation, April 2013

Waseda University’s 125th Anniversary Scholarship, April 2010

Professional Societies

International Astronomical Union (June 2022–)

American Astronomical Society (February 2022–)

Society of Theoretical Astronomy and Astrophysics (October 2016–)

The Physical Society of Japan (June 2014–)

The Astronomical Society of Japan (April 2014–)

Community Service

Referee:

(Journals) The Astrophysical Journal, The Astrophysical Journal Letters, Monthly Notices of the Royal Astronomical Society, Publications of the Astronomical Society of Japan, JPS Conference Proceedings

(Grants) RIKEN Incentive Research Projects

LOC/SOC:

7. Dark Matter in the Universe: The present and future of Galactic Archaeology and Near-field Cosmology, Matsushima, Japan (March 2024)
6. MODEST23-JM, Onna, Japan (April 2023)
5. Galactic Star Formation 2021; bridging the fields between the galaxy evolution and the ISM evolution/star formation toward the next decade, online (November – December 2021)
4. Stellar Alchemy to Galactic Archaeology, online (October 2020)
3. The Japan-France Workshop ‘Neutron Star Mergers and Galactic Chemical Evolution,’ Mitaka, Japan (October 2017)
2. Many Riddles about Core-Collapse Supernovae: 1 Bethe and Beyond, Mitaka, Japan (June 2016)
1. The 45th Summer School on Astronomy and Astrophysics, Chikuma, Japan (July 2015)