

CURRICULUM VITAE

Hideaki Fujiwara, Ph.D.

Subaru Telescope
National Astronomical Observatory of Japan
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Education

Ph.D. in Astronomy, The University of Tokyo, 2010.

Thesis Title: *Warm Debris Disks Probed by Mid-Infrared Observations*

Advisor: Professor Takashi Onaka

M.S. in Astronomy, The University of Tokyo, 2007.

Thesis Title: *Mid-Infrared Observations of Protoplanetary Disks around Herbig Ae/Be Stars*

Advisor: Professor Takashi Onaka

B.S. in Astronomy, The University of Tokyo, 2005.

Professional Career

Public Information Officer/Scientist, Subaru Telescope, National Astronomical Observatory of Japan, Japan, September 2010–present.

Visiting Scientist, Department of Theoretical Physics, Faculty of Science, Universidad Autonoma de Madrid, Spain, October 2012–present.

Aerospace Project Research Associate, Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency, Japan, April 2010–September 2010.

Part-Time Lecturer, Faculty of Science, Kanagawa University, Japan, April 2008–March 2010.

JSPS Research Fellow (DC1), School of Science, The University of Tokyo, Japan, April 2007–March 2010.

Teaching Assistant, School of Science, The University of Tokyo, Japan, April 2005–March 2007.

Astronomical Interpreter, Ageo City Science Museum, Japan, October 2001–March 2007.

Fields of Research Interest

Debris Disks and Protoplanetary Disks

Astromineralogy of Cosmic Dust

Planetary Rings

Infrared Astronomy

Public Information and Outreach Activities in Science

Publications

Refereed Papers as the First Author

Fujiwara, Hideaki; Morishima, Ryuji; Fujiyoshi, Takuya; Yamashita, Takuya, “Seasonal variation of radial brightness contrast of Saturn’s rings viewed in mid-infrared by Subaru/COMICS”, *Astronomy and Astrophysics*, in press (2017).

Fujiwara, H.; Ishihara, D.; Onaka, T.; Takita, S.; Kataza, H.; Yamashita, T.; Fukagawa, M.; Ootsubo, T.; Hirao, T.; Enya, K.; Marshall, J. P.; White, G. J.; Nakagawa, T.; Murakami, H., “AKARI/IRC 18 μm Survey of Warm Debris Disks”, *Astronomy and Astrophysics*, **550**, A45 (2013).

Fujiwara, Hideaki; Onaka, Takashi; Takita, Satoshi; Yamashita, Takuya; Fukagawa, Misato; Ishihara, Daisuke; Kataza, Hirokazu; Murakami, Hiroshi, “The Absence of Cold Dust around Warm Debris Disk Star HD 15407A”, *The Astrophysical Journal Letters*, **759**, L18 (2012).

Fujiwara, Hideaki; Onaka, Takashi; Yamashita, Takuya; Ishihara, Daisuke; Kataza, Hirokazu; Fukagawa, Misato; Takeda, Yoichi; Murakami, Hiroshi, “Silica-Rich Bright Debris Disk around HD 15407A”, *The Astrophysical Journal Letters*, **749**, L29 (2012).

Fujiwara, Hideaki; Onaka, Takashi; Ishihara, Daisuke; Yamashita, Takuya; Fukagawa, Misato; Nakagawa, Takao; Kataza, Hirokazu; Ootsubo, Takafumi; Murakami, Hiroshi, “Enstatite-rich Warm Debris Dust Around HD165014”, *The Astrophysical Journal Letters*, **714**, L152–L156 (2010).

Fujiwara, Hideaki; Yamashita, Takuya; Ishihara, Daisuke; Onaka, Takashi; Kataza, Hirokazu; Ootsubo, Takafumi; Fukagawa, Misato; Marshall, Jonathan P.; Murakami, Hiroshi; Nakagawa, Takao; Hirao, Takanori; Enya, Keigo; White, Glenn J., “Hot Debris Dust Around HD 106797”, *The Astrophysical Journal Letters*, **695**, L88–L91 (2009).

Fujiwara, Hideaki, “Silicate Dust around Harbig Ae/Be Stars revealed by Mid-Infraered Spectroscopy” (in Japanese), *Planetary People*, **16**, 112–118 (2007).

Fujiwara, Hideaki; Honda, Mitsuhiko; Kataza, Hirokazu; Yamashita, Takuya; Onaka, Takashi; Fukagawa, Misato; Okamoto, Yoshiko K.; Miyata, Takashi; Sako, Shigeyuki; Fujiyoshi, Takuya; Sakon, Itsuki, “The Asymmetric Thermal Emission of Protoplanetary Disk Surrounding HD 142527 Seen by Subaru/COMICS”, *The Astrophysical Journal Letters*, **644**, L133–L136 (2006).

Refereed Papers as the Co-Author

Snodgrass, C., et al. (incl. **Fujiwara, Hideaki**, 31st), “The 67P/Churyumov-Gerasimenko observation campaign in support of the Rosetta mission”, *Philosophical Transactions of the Royal Society A*, in press (2017).

Ishihara, Daisuke, et al. (incl. **Fujiwara, Hideaki**, 7th), “Faint warm debris disks around nearby bright stars explored by AKARI and IRSF”, *Astronomy and Astrophysics*, in press (2016).

Muto, Takayuki, et al. (incl. **Fujiwara, Hideaki**, 16th), “Significant Gas-to-Dust Ratio Asymmetry and Variation in the Disk of HD 142527 and the Indication of Gas Depletion”, *Publications of the Astronomical Society of Japan*, **67**, 122 (2015).

Honda, Mitsuhiko, et al. (incl. **Fujiwara, Hideaki**, 10th), “High-resolution 25 Micron Imaging of the Disks around Herbig Ae/Be”, *The Astrophysical Journal*, **804**, 143 (2015).

Yagi, Masafumi, et al. (incl. **Fujiwara, Hideaki**, 5th), “Initial Speed of Knots in the Plasma Tail of C/2013 R1(Lovejoy)”, *The Astronomical Journal*, **149**, 97 (2015).

Fukagawa, Misato, et al. (incl. **Fujiwara, Hideaki**, 15th), “Local Enhancement of the Surface Density in the Protoplanetary Ring Surrounding HD 142527”, *Publications of the Astronomical Society of Japan*, **65**, L14 (2013).

Kuzuhara, M., et al. (incl. **Fujiwara, Hideaki**), “Direct Imaging of a Cold Jovian Exoplanet in Orbit around the Sun-like Star GJ 504”, *The Astrophysical Journal*, **774**, 11 (2013).

- Honda, Mitsuhiro, et al. (incl. **Fujiwara, Hideaki**, 16th), “Mid-infrared Imaging of the Transitional Disk of HD 169142: Measuring the Size of the Gap”, *The Astrophysical Journal*, **752**, 143 (2012).
- Ishiguro, Masateru, et al. (incl. **Fujiwara, Hideaki**, 6th), “Interpretation of (596) Scheila’s Triple Dust Tails”, *The Astrophysical Journal Letters*, **741**, L24 (2011).
- Ishiguro, Masateru, et al. (incl. **Fujiwara, Hideaki**, 6th), “Observational Evidence for an Impact on the Main-belt Asteroid (596) Scheila”, *The Astrophysical Journal Letters*, **740**, L11 (2011).
- Verhoeff, A. P., et al. (incl. **Fujiwara, Hideaki**, 6th), “The complex circumstellar environment of HD 142527”, *Astronomy and Astrophysics*, **528**, A91 (2011).
- Honda, Mitsuhiro, et al. (incl. **Fujiwara, Hideaki**, 13th), “Pre-transitional Disk Nature of the AB Aur Disk”, *The Astrophysical Journal*, **718**, 199 (2010).
- Ita, Y., et al. (incl. **Fujiwara, Hideaki**, 11th), “AKARI’s infrared view on nearby stars. Using AKARI infrared camera all-sky survey, 2MASS, and Hipparcos catalogs”, *Astronomy and Astrophysics*, **514**, A2 (2010).
- Ishihara, D., et al. (incl. **Fujiwara, Hideaki**, 12th), “The AKARI/IRC mid-infrared all-sky survey”, *Astronomy and Astrophysics*, **514**, A1 (2010).
- Okamoto, Yoshiko Kataza, et al. (incl. **Fujiwara, Hideaki**, 4th), “Direct Detection of a Flared Disk Around a Young Massive Star HD200775 and its 10 to 1000 AU Scale Properties”, *The Astrophysical Journal*, **706**, 665–675 (2009).
- Takita, Satoshi, et al. (incl. **Fujiwara, Hideaki**, 6th), “Diffuse 18μ Emission around TYC 3159-6-1 Discovered by the AKARI MIR All-Sky Survey”, *Publications of the Astronomical Society of Japan*, **61**, 291–299 (2009).
- Ishihara, D., et al. (incl. **Fujiwara, Hideaki**, 10th), “AKARI Infrared Imaging of Reflection Nebulae IC4954 and IC4955”, *Publications of the Astronomical Society of Japan*, **59**, S443–S454 (2007).
- Onaka, T., et al. (incl. **Fujiwara, Hideaki**, 5th), “The Infrared Camera (IRC) for AKARI - Design and Imaging Performance”, *Publications of the Astronomical Society of Japan*, **59**, S401–S410 (2007).
- Murakami, H., et al. (incl. **Fujiwara, Hideaki**, 10th), “The Infrared Astronomical Mission AKARI”, *Publications of the Astronomical Society of Japan*, **59**, S369–S376 (2007).
- Yamagata, Tomohiko, et al. (incl. **Fujiwara, Hideaki**, 4th), “Planisphere as a Tool for Learning Galactic Structure” (in Japanese), *Bulletin of Institute of Education Research*, **14**, 57–62 (2005).
- Sugita, S., et al. (incl. **Fujiwara, Hideaki**, 10th), “Subaru Telescope Observations of Deep Impact”, *Science*, **310**, 274–278 (2005).
- Meech, K. J., et al. (incl. **Fujiwara, Hideaki**, 56th), “Deep Impact: Observations from a Worldwide Earth-Based Campaign”, *Science*, **310**, 265–269 (2005).
- Shiki, Shigetomo, et al. (incl. **Fujiwara, Hideaki**, 2nd), “Wide-Field Video Observation and Statical Analysis of the Leonid Meteor Storm in 2001”, *Publications of the Astronomical Society of Japan*, **55**, 567–571 (2003).
- Takeuchi, Tsutomu T., et al. (incl. **Fujiwara, Hideaki**, 4th), “Application of a Self-Organizing State Space Model to the Leonid Meteor Storm in 2001”, *Publications of the Astronomical Society of Japan*, **59**, 535–541 (2003).

Non-Refereed Papers

- Fujiwara, H.**, “Dust in Warm Debris Disks”, *Proceedings of The Life Cycle of Dust in the Universe: Observations, Theory, and Laboratory Experiments (LCDU2013)*, eds. Anja Andersen, Maarten Baes, Haley Gomez, Ciska Kemper, Darach Watson, 39 (2013).
- Packham, Chris, et al. (incl. **Fujiwara, Hideaki**, 14th), “Key science drivers for MICHI: a mid-IR instrument concept for the TMT”, *Ground-based and Airborne Instrumentation for Astronomy IV. Pro-*

ceedings of the SPIE, **8446**, 88467G (2013).

Ishiguro, M., et al. (incl. **Fujiwara, H.**, 6th), “Ejecta Plume Resulting from an Oblique Impact on (596) Scheila”, *Proceedings of the conference Asteroids, Comets, Meteors 2012*, **1667**, 6121 (2012).

Honda, M., et al. (incl. **Fujiwara, Hideaki**, 13th), “Pre-transitional disk nature of the AB Aur disk”, *Proceedings of the conference In the Spirit of Lyot 2010: Direct Detection of Exoplanets and Circumstellar Disks*, eds. Anthony Boccaletti, 36 (2010).

Okamoto, Y. K., et al. (incl. **Fujiwara, H.**, 9th), “The science drivers for a mid-infrared instrument for the TMT”, *Proceedings of the SPIE*, **7735**, 77355O (2010).

Oyabu, S., et al. (incl. **Fujiwara, H.**, 9th), “AKARI infrared bright source catalogues”, *Space Telescopes and Instrumentation 2010: Optical, Infrared, and Millimeter Wave. Proceedings of the SPIE*, eds. Oschmann, Jacobus M., Jr., Clampin, Mark C., MacEwen, Howard A. **7731**, 77312P (2010).

Lisse, C. M., et al. (incl. **Fujiwara, H.**, 8th), “Silica Debris Star Systems – Spitzer Evidence for Lunar Formation Events & Crustal Stripping or Magma Oceans & Late Heavy Bombardments?”, *Abstract of 41st Lunar and Planetary Science Conference*, 2390 (2010).

Fujiwara, Hideaki, “AKARI/IRC 18 micron Survey of Warm Debris Disks”, *Abstract of 38th COSPAR Scientific Assembly*, 9 (2010).

Onaka, Takashi, et al. (incl. **Fujiwara, Hideaki**, 3rd), “Recent results from the infrared satellite AKARI”, *Interstellar Matter and Star Formation: A Multi-wavelength Perspective, ASI Conference Series*, eds. D. K. Ojha, **1**, 127–134 (2010).

Fujiwara, Hideaki; Ishihara, D.; Kataza, H.; Onaka, T.; Yamashita, T.; Fukagawa, M.; Ootsubo, T.; Marshall, J. P.; Murakami, H.; Nakagawa, T.; Hirao, T.; Enya, K.; White, G. J., “A Search for Hot Debris Disks Based on AKARI/IRC All-Sky Survey Data”, *AKARI, a Light to Illuminate the Misty Universe. ASP Conference Series*, eds. Takashi Onaka, Glenn J. White, Takao Nakagawa, Issei Yamamura, **418**, 109 (2009).

Ishihara, Daisuke, et al. (incl. **Fujiwara, Hideaki**, 4th), “AKARI Mid-Infrared All-Sky Survey”, *AKARI, a Light to Illuminate the Misty Universe. ASP Conference Series*, eds. Takashi Onaka, Glenn J. White, Takao Nakagawa, Issei Yamamura, **418**, 9 (2009).

Ishihara, Daisuke, et al. (incl. **Fujiwara, Hideaki**, 4th), “AKARI Mid-Infrared All-Sky Survey”, *EXOPLANETS AND DISKS: THEIR FORMATION AND DIVERSITY: Proceedings of the International Conference. AIP Conference Proceedings*, **1158**, 127–128 (2009).

Fukagawa, M., et al. (incl. **Fujiwara, Hideaki**, 4th), “AKARI Pointed Detections of Circumstellar Material around Main Sequence Stars”, *EXOPLANETS AND DISKS: THEIR FORMATION AND DIVERSITY: Proceedings of the International Conference. AIP Conference Proceedings*, **1158**, 125–126 (2009).

Fujiwara, Hideaki; Ishihara, Daisuke; Yamashita, Takuya; Kataza, Hirokazu; Onaka, Takashi; Fukagawa, Misato; Ootsubo, Takafumi; Marshall, Jonathan P.; Murakami, Hiroshi; Nakagawa, Takao; Hirao, Takanori; Enya, Keigo; White, Glenn J., “AKARI Pointed Detections of Circumstellar Material around Main Sequence Stars”, *EXOPLANETS AND DISKS: THEIR FORMATION AND DIVERSITY: Proceedings of the International Conference. AIP Conference Proceedings*, **1158**, 98–92 (2009).

Ishihara, D., et al. (incl. **Fujiwara, H.**, 3rd), “AKARI Mid-Infrared All-Sky Survey”, *The Evolving ISM in the Milky Way and Nearby Galaxies, The Fourth Spitzer Science Center Conference, Proceedings of the conference*, eds. K. Sheth, A. Noriega-Crespo, J. Ingalls, R. Paladini (2009).

Wada, Takehiko, et al. (incl. **Fujiwara, H.**, 5th), “The Infrared Camera (IRC) for AKARI: in-flight imaging performance and the post cryogen mission”, *Space Telescopes and Instrumentation 2008: Optical, Infrared, and Millimeter. Proceedings of the SPIE*, eds. Oschmann, Jacobus M., Jr., de Graauw, Mattheus W. M., MacEwen, Howard A., **7010**, 70100C (2008).

Ishihara, Daisuke, et al. (incl. **Fujiwara, H.**, 4th), “Mid-infrared all-sky survey with AKARI/IRC”, *Space Telescopes and Instrumentation 2008: Optical, Infrared, and Millimeter. Proceedings of the SPIE*,

eds. Oschmann, Jacobus M., Jr., de Graauw, Mattheus W. M., MacEwen, Howard A. **7010**, 70100B (2008).

Fujiwara, H.; Onaka, T.; Kataza, H.; Okamoto, Y. K.; Honda, M.; Yamashita, T., “Dust Size and Crystallinity Around Herbig Ae/Be Stars”, *70th Annual Meteoritical Society Meeting. Meteoritics and Planetary Science Supplement*, **42**, 5103 (2007).

Fukagawa, M., et al. (incl. **Fujiwara, H.**, 5th), “Near-Infrared Images of the Disk around HD 142527”, *Proceedings of the conference In the Spirit of Bernard Lyot: The Direct Detection of Planets and Circumstellar Disks in the 21st Century*, eds. Paul Kalas, 46 (2007).

Sugita, S., et al. (incl. **Fujiwara, H.**, 10th), “A High-Resolution Mid-IR Observation of the Collision Between Deep Impact Projectile and Comet 9P/Tempel 1”, *Abstract of 37th Annual Lunar and Planetary Science Conference*, 2431 (2006).

Fujiwara, H.; Kataza, H.; Onaka, T.; Honda, M.; Okamoto, Y. K.; Comics Team, “Dust Composition and Processing Around Herbig Ae/Be Stars”, *The Proceedings of The 9th Asian-Pacific Regional IAU Meeting*, eds. W. Sutantyo, P.W. Premadi, P. Mahasena, T. Hidayat, S. Mineshige, 100 (2006).

Ishihara, D., et al. (incl. **Fujiwara, H.**, 14th), “Mid-infrared all-sky survey with AKARI”, *Memorie della Societ Astronomica Italiana*, **77**, 1089 (2006).

Ootsubo, T., et al. (incl. **Fujiwara, H.**, 8th), “Mid-Infrared Observation of the Collision Between Deep Impact Projectile and Comet 9P/Tempel 1 with SUBARU/COMICS”, *Dust in Planetary Systems, Proceedings of the conference*, **1280**, 124 (2005).

Tamagawa, T., et al. (incl. **Fujiwara, H.**, 8th), “The search for optical emission on and before the GRB trigger with the WIDGET telescope”, *Il Nuovo Cimento C*, **28**, 771 (2005).

Okamoto, Y. K., et al. (incl. **Fujiwara, H.**, 6th), “Extended Mid-Infrared Dust Emission Survey Toward Herbig Ae/Be Stars”, *Protostars and Planets V. Proceedings of the Conference*, **1286**, 8417 (2005).

Honda, M., et al. (incl. **Fujiwara, H.**, 10th), “SUBARU/COMICS 24.5 Micron Imaging of Nearby Herbig Ae/Be Disks”, *Protostars and Planets V. Proceedings of the Conference*, **1286**, 8090 (2005).

Usui, F., et al. (incl. **Fujiwara, H.**, 6th), “Development of GRB optical flashes observation system: WIDGET”, *Abstract of 35th COSPAR Scientific Assembly*, 3740 (2004).

Teaching Experiences

Japan Professional School of Education

Guest Lecturer, Science Education Seminar (Master Course Level), Autumn 2016.

Guest Lecturer, Science Education Seminar (Master Course Level), Autumn 2014.

Guest Lecturer, Science Education Seminar (Master Course Level), Autumn 2013.

Kanagawa University

Lecturer, Introduction to Astronomy (Undergraduate Level), Winter 2009.

Lecturer, Introduction to Astronomy (Undergraduate Level), Winter 2008.

The University of Tokyo

Teaching Assistant, Training in Astronomical Observations (Undergraduate Level), Winter 2007.

Teaching Assistant, Training in Astronomical Observations (Undergraduate Level), Summer 2007.

Teaching Assistant, Training in Astronomical Observations (Undergraduate Level), Winter 2006.

Teaching Assistant, Training in Astronomical Observations (Undergraduate Level), Summer 2006.

Conference and Seminar Presentations

Invited Oral Presentations

“Introduction to Research with Subaru Telescope”

School “Tropical school in undergraduate astronomy: astronomical observations”, December 7–11, 2016, Quy Nhon University, Quy Nhon, Vietnam.

“Observation of Dust in Debris Disks”

Conference “Big Picture of Size Distribution”, February 11–12, 2016, Tokyo Skytree Town, Tokyo, Japan.

“Observational Research with Subaru Telescope”

Conference “SEAYAC 2015”, December 4–5, 2015, Peace Laguna Resort & Spa, Krabi, Thailand.

“Warm Debris Disks”

Conference “JCMT Science Workshop 2014”, September 1–2, 2014, National Astronomical Observatory of Japan, Tokyo, Japan.

“Dust in Warm Debris Disks”

Conference “The Life Cycle of Dust in the Universe: Observations, Theory, and Laboratory Experiments”, November 18–22, 2013, Academia Sinica, Taipei, Taiwan.

“Warm Debris Disks Probed by Mid-Infrared Observations”

Conference “Japan Geoscience Union Meeting 2013” (Session P-CG32; New frontier of chronology of the Solar System), May 19–24, 2013, Makuhari Messe, Chiba, Japan.

Oral Presentations in International Conferences

“Dust in Warm Debris Disks”

Conference “SEARCH FOR LIFE: FROM EARLY EARTH TO EXOPLANETS”, December 11–16, 2016, International Centre for Interdisciplinary Science Education, Quy Nhon, Vietnam.

“Warm Debris Disks Proved by AKARI Observations”

Conference “East Asian Young Astronomers Meeting 2015”, February 9–12, 2015, Academia Sinica, Taipei, Taiwan.

Conference “THE UNIVERSE IN THE LIGHT OF AKARI and Synergy with future Large Space Telescopes”, July 9–11, 2014, Oxford University, Oxford, UK.

“Public Information and Outreach Activities at Subaru Telescope”

IAU Commission 55 Conference “Communicating Astronomy with the Public 2011 – New Territories for Science Outreach”, October 10–14, 2011, Xiyuan Hotel, Beijing, China.

“Mid-Infrared Observations of Warm Debris Disks”

Subaru User’s Meeting 2010, January 11–20, 2011, National Astronomical Observatory of Japan, Tokyo, Japan.

“AKARI/IRC 18 micron Survey of Warm Debris Disks”

Conference “38th COSPAR Scientific Assembly”, July 18–25, 2010, Bremen Exhibition & Conference Center, Bremen, German.

“AKARI/IRC Survey of Hot Debris Disks”

Conference “Exoplanet and Disks: Their Formation and Diversity”, March 9–12, 2009, Keauhou Beach Resort, Kona, USA.

“A Search for Hot Debris Disks Based on AKARI/IRC All-sky Survey”

Conference “AKARI, a Light to Illuminate the Misty Universe”, The University of Tokyo, February 16–19, 2009, Tokyo, Japan.

“A Search for Debris Disks Based on AKARI Mid-infrared All-sky Survey”

Conference “East Asia Young Astronomers Meeting 2008”, July 27–August 1, 2008, Jiayuguan, China.

Workshop “ALMA-J/T Sub WG Meeting on Star Formation and Circumstellar Disks”, April 2008, Ibaraki University, Ibaraki, Japan

Professional Activities

Reviewer for *The Astrophysical Journal* and *The Astrophysical Journal Letters*.

Proposal Reviewer for the Subaru Telescope.

Member, International Astronomical Union, 2015–Present.

Member, The Astronomical Society of Japan, 2001–Present.

Scientific/Local Organizing Committee Member, Conference “East Asia Young Astronomers Meeting 2017”, November, 2017, Okinawa, Japan.

Scientific Organizing Committee Member, Conference “East Asia Young Astronomers Meeting 2015”, February 9–13, 2015, Academia Sinica, Taipei, Taiwan.

Local Organizing Committee Member, Conference “AKARI, a Light to Illuminate the Misty Universe”, February 16–19, 2009, The University of Tokyo, Tokyo, Japan.

Local Organizing Committee Member, Conference “East Asia Young Astronomers Meeting 2006”, February 13–18, 2006, Seisen-Ryo, Yamanashi, Japan.

Member of Subaru Strategic Office, Subaru Telescope, 2014–Present.

Member of Subaru Instrument Planning Task Force, Subaru Telescope, 2014–Present.

Founder and Board Member, Nonprofit Organization (NPO) for Science Communication “Science Station”, 2014–Present.

Awards & Fellowships

Nominee for RCUH Outstanding Employee of the Year Award, The Research Corporation of the University of Hawaii, 2012.

Research Fellowship for Young Scientists (PD), Japan Society for the Promotion of Science (declined).

Research Fellowship for Young Scientists (DC1), Japan Society for the Promotion of Science, 2007–2010.

Hayakawa Satio Fund Scholarship, The Astronomical Society of Japan, 2009.

Poster Award, Kobe International School of Planetary Sciences, 2006.

Hayakawa Satio Fund Scholarship, The Astronomical Society of Japan, 2005.

Scholarship, Foundation for Promotion of Astronomy, 2003.

Grants

Grant-in-Aid for Young Scientists (B), Japan Society for the Promotion of Science, 2014–2017, 1.5 million JPY.

Grant-in-Aid for Scientific Research on Innovative Areas, Ministry of Education, Culture, Sports, Science & Technology in Japan, 2011–Present.

Grant-in-Aid for JSPS Fellows, Japan Society for the Promotion of Science, 2007–2010, 2.8 million JPY.

Grant-in-Aid for Institutional Science Communication Activities and Establishing Local Networks for Science Communication, Japan Science and Technology Agency, 2008, 200 K JPY.

Granted Telescope Time as the Principal Investigator

Very Large Telescope operated by European Southern Observatory, P97, 1 night, 2016.

Subaru Telescope operated by National Astronomical Observatory of Japan, S14A, 1 night, 2014.

Plateau de Bure Interferometer operated by Institut de Radioastronomie Millimetrique, Summer 2013, 26 hours, 2013.

Subaru Telescope operated by National Astronomical Observatory of Japan, S13A, 1 night, 2013.

Subaru Telescope operated by National Astronomical Observatory of Japan, S09B, 1 night, 2009.

Gemini South Telescope operated by a partnership of six countries including the United States, Canada, Chile, Australia, Brazil and Argentina, S09A, 1 night, 2009.

Subaru Telescope operated by National Astronomical Observatory of Japan, S09A, 1 night, 2009.

Spitzer Space Telescope operated by National Astronomical Observatory of Japan, Cycle 5, 4.3 hours, 2008.

Gemini South Telescope operated by a partnership of six countries including the United States, Canada, Chile, Australia, Brazil and Argentina, S08A, 2 nights, 2008.

Subaru Telescope operated by National Astronomical Observatory of Japan, S08A, 2 nights, 2008.

Subaru Telescope operated by National Astronomical Observatory of Japan, S06B, 0.6 night, 2006.

Public and Media Relations

Public Talk (Selected)

Lecturer, Public Lecture, Shinshu University, Nagano, Japan (November 2016).

Guest Speaker, Public Lecture, TeNQ, Tokyo, Japan (November 2016).

Lecturer, Public Lecture, Galaxcity, Tokyo, Japan (November 2015, November 2016).

Lecturer, Seminar for Science Communicators, National Museum of Emerging Science and Innovation (Miraikan), Tokyo, Japan (June 2014).

Guest Speaker, Science Live Show “Universe”, Science Museum, Tokyo, Japan (April, May, July, September 2013, January, March, May September 2014, January, March, October 2015, March 2016).

Speaker, Science Cafe, Kanagawa Prefectural Kawasaki Library, Kanagawa, Japan (December 2006, August 2008).

Speaker, Science Cafe in Matsue, Kara-koro Kobo, Shimane, Japan (December 2007).

Speaker, Science Cafe in Mitoya, Mitoya Senior High School, Shimane, Japan (November 2007).

Popular Writing (Selected)

Fujiwara, Hideaki and Hiromitsu, Kosaka, “M31 Captured by the 8.2-m Telescope with F2” (in Japanese), *Hoshi Navi*, **1**, 34–39 (2015).

Fujiwara, Hideaki, “News Watch: Exploring the Mystery of the Universe with HSC” (in Japanese), *Hoshi Navi*, **10**, 6–7 (2013).

Fujiwara, Hideaki, “Debris Disk Research by AKARI All-Sky Survey” (in Japanese), *ISAS NEWS*, **337**, 9 (2009).

Fujiwara, Hideaki, “100 Keywords on Astronomy; Public Outreach” (in Japanese), *Hoshi Navi*, **3**, 32–33 (2009).

Media Coverage (Selected)

Interview with Japanese TV “Tabi Salad” by ABC (July 2016).

Interview with Japanese TV “Grand View of the Universe” by NHK (March 2015).

Interview with Japanese TV “Our Earth” by BS Asahi (March 2015).

Interview with Japanese TV “World Now” by BS Asahi (January 2015).

Interview with International TV “J-Tech” by NHK World (November 2014).

Interview with Japanese TV “MUSIC JAPAN” by NHK (September 2014).

Interview with Japanese TV “Our Earth” by BS Asahi (June 2014).

Interview with Japanese Newspaper (Kyodo News, Nikkei) (May 2014).

Press Release “Subaru-Led Team Discovers a Rare Stellar Disk of Quartz Dust”, Appeared in Nikkan-Kogyo Newspaper (May 2012).

Interview with Japanese TV “Sekai Ittemitara Honto-wa Konna Toko Datta!?” by Fuji TV (April 2012).

Interview with Japanese TV “NNN News” by NTV (April 2011).

Interview with Japanese TV “Sekai-no Hate-made Itte Q!” by NTV (September 2011).

Interview with Japanese TV “Yukie Nakama’s Blue Earth 5” by TV Tokyo (January 2011).

Press Release and Press Conference “Subaru found a new type of protoplanetary disk”, Appeared in Science News Magazine, NHK TV News, Yomiuri, Nikkei, Mainichi, Akahata, and Nikkan-Kogyo Newspapers (June 2006).

Social Media

Webmaster of Subaru Telescope’s Official Website (<http://subarutelescope.org>), September 2010–Present.

Editor of Subaru Telescope’s Official Twitter (@SubaruTelescope), January 2012–Present, more than 26500 Followers (as of March 2016).

Co-Editor of NAOJ’s Official Facebook Page (<https://www.facebook.com/naoj.jp>), 2012–Present.

Editor of Subaru Telescope’s Official YouTube Channel (<https://www.youtube.com/user/SubaruTelescopeNAOJ>), January 2012–Present, more than 135000 Views (as of March 2016).