

# Seiji Fujimoto

## Curriculum Vitae

Department of Astronomy  
The University of Texas at Austin  
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### Work Experience

- 2022–present **NASA Hubble Fellow**, *UT Austin*, USA
- 2021–2022 **Marie Skłodowska-Curie COFUND INTERCTIONS Fellow**, *Cosmic Dawn Center*, Denmark
- 2019–2022 **DAWN Fellow**, *Cosmic Dawn Center*, Denmark
- 2019–2019 **ALMA Project Researcher**, *NAOJ / University of Waseda*, Japan
- 2019–2019 **ICRR Project Researcher**, *University of Tokyo*, Japan

### Education

- 2016–2019 **PhD in Astronomy**, *Graduate school of Science, Department of Astronomy, University of Tokyo*  
Thesis: Demographics of the cold Universe with ALMA: From Interstellar and Circumgalactic Media to Cosmic Structures (advisor: Prof. M. Ouchi)
- 2014–2016 **Master of Astronomy**, *Graduate school of Science, Department of Astronomy, University of Tokyo*  
Thesis: ALMA Faint-mm Sources Down to 0.02 mJy: Physical Origins and Contribution to the Extragalactic Background Light (advisor Prof. M. Ouchi)
- 2010–2014 **Bachelor of Astronomy**, *Department of Astronomy, University of Tokyo*  
Thesis: Search for Dusty Starburst Galaxies at  $z > 6$  (advisor: Prof. K. Kohno)

### Awards & Prizes

- 2023 **The ASJ Young Astronomer Award Recipients<sup>1</sup>**
- 2022 **NASA Hubble Fellowship**
- 2022 **Inoue Research Award for Young Scientists**
- 2021 **Marie Skłodowska-Curie Actions (MSCA) Seal of Excellence**
- 2019 **University of Tokyo School of Science Research Award for PhD Thesis**
- 2019 **Springer Thesis Prize**
- 2016 **University of Tokyo School of Science Research Award for Master Thesis**
- 2016 **Institute for Cosmic Ray Research President's Award for Master Thesis<sup>2</sup>**
- 2015 **University of Tokyo President's Award**

1. Annual award to the best Japanese astronomer under the age of 35.

2. Annual award to the best Master Thesis from Prof. T. Kajita (Nobel Prizer in Physics 2015)

## Research Grant & Funding

- 2024–present **NASA JWST Cycle2 PI Data Award**, USD 63,617
- 2023–2024 **NASA Hubble Fellowship Year 2**, USD 134,378
- 2022–2023 **NASA Hubble Fellowship Year 1**, USD 144,517
- 2022–present **NASA JWST Cycle1 PI Data Award**, USD 85,945, (US Admin E. Egami)
- 2022–2024 **NASA Keck PI Data Award**, USD 28,725
- 2021–2022 **INTERACTIONS Fellowship Grant**, USD 123,000
- 2016–2019 **JSPS Research Fellowship Grant**, No.16J02344, USD 92,000
- 2015–2019 **EA ALMA PI Grant for research mobility**, No. NAOJ-ALMA-145, 164, 179, 197, 231, USD 12,000
- 2015–2019 **Yukio Hayakawa Fund for research mobility** , No. 89, 95, 106, USD 92,000
- 2017 **Graduate Research Fund for research mobility awarded by University of Tokyo**, USD 5,000

## Awarded Telescope Proposals

Principal Investigator **N = 40**  
(incl. 6 DDT)

- 1 **JWST**, *GO Cycle 1 1567*, 12.3 hrs  
Early Galaxy Assembly Uncovered with ALMA and JWST: A Remarkably UV and [CII] Bright, Strongly Lensed Sub- $L^*$  Galaxy at  $z = 6.072$
- 2 **JWST**, *GO Cycle 2 4573*, 4.5 hrs  
IFU Trio of ALMA, MUSE, JWST: Revealing Dynamical Interplay of Inflow/Outflow at  $z = 6$  with Strong Lensing Aid
- 3 **ALMA DDT**, *2021.A.00031.S*, 1.0 hrs  
The puzzling JWST object timely disentangled by ALMA: Dusty starburst at  $z \sim 5$  or Ultra high- $z$  galaxy at  $z \sim 17$ ?
- 4 **ALMA DDT**, *2021.A.00022.S*, 4.6 hrs  
Establishing the Golden Reference of Early Galaxy Studies at  $z \sim 8 - 9$  with [OIII] $\lambda 4363$  detection in JWST ERO
- 5 **ALMA DDT**, *2021.A.00006.S*, 2.8 hrs  
Spectroscopic confirmation of a strongly lensed star at  $z = 6$
- 6 **ALMA**, *2023.1.00149.S*, 16.7 hrs  
IFU Trio of ALMA, MUSE, JWST: Revealing Dynamical Interplay of Inflow/Outflow at  $z = 6$  with Strong Lensing Aid
- 7 **ALMA**, *2023.1.00802.S*, 20.4 hrs  
Deep Dive into the ISM at  $z=6$  with ALMA + JWST: From the Individual Lensed Star to 1-20pc Star-Forming Clumps
- 8 **ALMA**, *2022.1.00073.S*, 37 hrs  
A joint ALMA and JWST public Legacy Field - Abell 2744
- 9 **ALMA**, *2022.1.00195.S*, 27 hrs  
Where does [CII] $\lambda 158\mu\text{m}$  originate? A panchromatic  $\sim 20$ -pc scale view of ISM in a sub- $L^*$  galaxy at  $z = 6$  by ALMA and JWST

- 10 **ALMA**, *2022.1.00433.S*, 25 hrs  
Golden Reference for Metallicity Measurements at  $z = 6 - 7$  by ALMA+JWST
- 11 **ALMA**, *2022.1.01567.S*, 20 hrs  
Dust in galaxies at  $z = 8 - 11$
- 12 **ALMA**, *2021.1.00055.S*, 17 hrs  
Comprehensive ISM view down to a  $\sim 100$  pc scale for a sub- $L^*$  galaxy at  $z = 6$  by ALMA, JWST, and JVL
- 13 **ALMA**, *2021.1.00236.S*, 19 hrs  
Golden Reference for Metallicity Measurements at  $z = 6 - 7$  by ALMA+JWST
- 14 **ALMA**, *2019.2.00050.S*, 42 hrs  
ALMA Exploration for a Remarkable Protocluster at  $z = 5.69$
- 15 **ALMA**, *2019.1.00672.S*, 12 hrs  
First 3D-Illustration of the Ionized+Neutral Gas Down to 300-pc Scale Surrounding a Super Massive Black Hole at  $z = 6.039$
- 16 **ALMA**, *2019.1.00236.S*, 10 hrs  
Strongly Lensed HST-dark Object Discovered by ALMA Lensing Cluster Survey
- 17 **ALMA**, *2017.1.00531.S*, 18 hrs  
ALMA Exploration for  $z = 5.69, 6.01, \text{ and } 6.57$  Protoclusters
- 18 **NASA Keck**, *2022B\_N077*, 1 night  
Physical Origin of the High [OIII]88um/[CII]158um Ratios in High-z Star-forming Galaxies Uncovered with JWST+ALMA+Keck
- 19 **NASA Keck**, *2024A\_N025*, 1 night  
Physical Origin of the High [OIII]88um/[CII]158um Ratios in High-z Star-forming Galaxies Uncovered with JWST+ALMA+Keck
- 20 **VLT/Xshooter**, *108.22MK*, 26 hrs  
Beasts in the Bubbles: Remarkably UV-bright Galaxies at  $z=9-10$
- 21 **VLT/MUSE**, *109.22VV*, 8.9 hrs  
IFU Trio of JWST, ALMA, and MUSE: Where is  $\text{Ly}\alpha$  escaping?
- 22 **Subaru/SWIMS**, *S22A0094N*, 3 nights  
Weighing the black hole in a young quasar at  $z = 7.2$
- 23 **Subaru/SWIMS**, *S21B0108N*, 2 nights  
Beasts in the Bubbles: Remarkably UV-bright Galaxies at  $z = 9 - 10$
- 24 **Subaru/FOCAS IFU**, *S20A0045N*, 1.5 nights  
Unveiling the Connection between 10-kpc  $\text{Ly}\alpha$  and [CII] Halos at  $z = 6.033$
- 25 **Subaru/FOCAS**, *S20B0150S*, 0.5 night  
Most Massive Black Hole at  $z > 6$  Mimicked by Strong Lensing?
- 26 **Subaru/MOIRCS**, *S16A0033N*, 1.5 nights  
Uncovering the New Class of ALMA Sources Assisted by Gravitational Lensing
- 27 **NOEMA DDT**, *D22AC*, 10 hrs  
The puzzling JWST object timely disentangled by ALMA: Dusty starburst at  $z \sim 5$  or Ultra high-z galaxy at  $z \sim 17$ ?
- 28 **NOEMA DDT**, *E19AD*, 4.6 hrs  
Gas and Dust Properties in a Red Quasar Firstly Discovered at  $z > 7$

- 29 **NOEMA**, *E20EO*, 5.0 hrs  
A Vigorously Star-forming Red Quasar Firstly Discovered at  $z > 7$
- 30 **NOEMA**, *E20EN*, 1.5 hrs  
Confirming the Most Massive Submm Galaxy at the Node of Remarkable Galaxy Overdensity at  $z=6.57$
- 31 **NOEMA**, *S21DM*, 34 hrs  
Vigorously Turbulent Starburst Core in a Red Quasar Host at  $z=7.2$
- 32 **NOEMA**, *W21EF*, 1.5 hrs  
Confirming the Most Massive Submm Galaxy at the Node of Remarkable Galaxy Overdensity at  $z=6.57$
- 33 **NOEMA**, *W21EH*, 27 hrs  
A dive into the vigorously starburst core in a red quasar host at  $z=7.2$
- 34 **NOEMA**, *W23DE*, 9.2 hrs  
Deep [CII] 158 $\mu$ m Line Spectroscopy for a Strongly and Multiply Lensed Galaxy at  $z_{\text{spec}} = 10.17$
- 35 **JVLA DDT**, *20A-520*, 13.2 hrs  
First CO(1-0) Measurements of Strongly Lensed sub- $L^*$  Galaxies at  $z = 6$
- 36 **JVLA**, *21A-145*, 22 hrs  
Total Gas Content in a Vigorous Star-forming Red Quasar Discovered at  $z > 7$
- 37 **JVLA**, *21A-162*, 23.3 hrs  
First CO(1-0) Measurements of Strongly&Multiply Lensed sub- $L^*$  Galaxy at  $z = 6.072$
- 38 **JCMT/SCUBA2**, *M17BP073*, 3 nights  
Explore Submm Galaxy Nests in Protocluster at  $z \sim 5 - 6$
- 39 **JCMT/SCUBA2**, *M18AP001*, 4 nights  
Uncovering Obscured Star Formation in the Enormous Ly $\alpha$  Nebulae
- 40 **SMA**, *2020B-S051*, 3 nights  
A Vigorously Star-forming Red Quasar Firstly Discovered at  $z > 7$

Co-Investigator **(Highlights, in the last few years)**

- 1 **JWST**, *GO Cycle 2 4246*, PI: A. Abdurro'uf, 16.1 hrs  
Physical Properties of a Possible Galaxy Merger at  $z = 10.2$
- 2 **JWST**, *GO Cycle 2 4212*, PI: L. Bradley, 10.1 hrs  
Unveiling the Most Distant Lensed Arc at  $z \sim 10$
- 3 **JWST**, *GO Cycle 2 3859*, PI: M. Onoue, 10.9 hrs  
Full Characterization of Starlight from a  $z = 6.4$  Quasar Host Galaxy
- 4 **JWST**, *GO Cycle 2 3567*, PI: F. Valentino, 47.1 hrs  
A deep dive into the physics of the first massive quiescent galaxies in the Universe
- 5 **JWST**, *GO Cycle 2 3045*, PI: A. Faisst, 59.6 hrs  
Witnessing the Maturing of Teenage Galaxies at  $z = 4-6$  with a Comprehensive UV - Optical - Sub-mm Benchmark Sample for the Community
- 6 **JWST**, *GO Cycle 2 2883*, PI: F. Sun, 38.7 hrs  
MAGNIF: Medium-band Astrophysics with the Grism of NIRC*am* in Frontier Fields
- 7 **JWST**, *GO Cycle 1 2659*, PI: J. Weaver, 13.6 hrs  
Beasts in the Bubbles: Characterizing ultra-luminous Galaxies at Cosmic Dawn

- 8 **JWST**, *GO Cycle 1 1967*, PI: M. Onoue, 52 hrs  
A Complete Census of Supermassive Black Holes and Host Galaxies at  $z = 6$
- 9 **Keck/MOSFIRE**, *NASA S21B #20*, PI: C. Casey, 2 nights  
Beasts in the Bubbles: Remarkably UV-bright Galaxies at  $z = 9 - 10$
- 10 **Keck/MOSFIRE**, *UC S22A #U190*, PI: B. Mobascher, 2 nights  
Remarkably UV-bright Galaxies at  $z = 9 - 10$
- 11 **Keck/DEIMOS, MOSFIRE, UH S22A #H250**, PI: D. Sanders, 3 nights  
Remarkable galaxy overdensity at  $z = 6$  and  $z = 8$
- 12 **Keck/MOSFIRE**, *NASA S22A #48*, PI: C. Casey, 2 nights  
A young transitionary  $z = 7.2$  quasar formed  $< 1$  Gyr after the Big Bang
- 13 **HST**, *17281*, PI: G. Leung, 5 orbits  
Revealing the Nature of Five Potential Bright Galaxies at  $z > 10$
- 14 **ALMA**, *2021.1.00225.S*, PI: C. Casey, 36.2 hrs  
Mapping Obscuration to Reionization: A blank field 2mm survey in COSMOS
- 15 **ALMA**, *2021.1.00018.S*, PI: R. Ivison, 30.6 hrs  
Exploiting a snapshot survey of the 3,083 reddest Herschel sources to reveal distant protoclusters
- 16 **ALMA**, *2021.1.00181.S*, PI: F. Valentino, 19.4 hrs  
Molecular gas and obscured SFR in a typical sub- $L^*$  galaxy at  $z=6$
- 17 **ALMA**, *2021.1.00211.S*, PI: R. Maiolino, 20.2 hrs  
The ultimate test for quasar feedback in the early Universe: ultra-deep observations of the most luminous quasar at  $z > 6$
- 18 **ALMA**, *2021.1.00443.S*, PI: J. Spilker, 21.2 hrs  
Surveying cold quasar outflows at the highest redshifts
- 19 **ALMA**, *2021.1.00389.S*, PI: T. Hashimoto, 17.8 hrs  
Deep [OIII] 88  $\mu$ m and dust continuum observations of two remarkably luminous galaxies at  $z \sim 10$
- 20 **ALMA**, *2021.1.01320.S*, PI: J. Silverman, 26.2 hrs  
Opening an Era of CGM-scale Study of the Most Massive Halos at  $z > 6$  with ALMA
- 21 **ALMA**, *2021.1.00075.S*, PI: Y. Ono, 8.8 hrs  
CO spectroscopy for an  $L^*$  Lyman break galaxy at  $z=8.3118$
- 22 **ALMA**, *2021.1.00668.S*, PI: T. Bakx, 38.3 hrs  
Answers at  $z > 6$ : OIII-to-CII ratio census in SFR-selected sample
- 23 **ALMA**, *2021.1.01262.S*, PI: T. Izumi, 18.3 hrs  
High-resolution characterization of early bulge structure and feedback in a  $z=7.07$  low-luminosity quasar
- 24 **ALMA**, *2021.1.01246.S*, PI: K. Kohno, 14.1 hrs  
Spectroscopic identification of candidate overdensity regions of H-dropout ALMA galaxies behind two lensing clusters
- 25 **ALMA**, *2021.1.00407.S*, PI: F. Bauer, 8.6 hrs  
Lifting the shroud on two IRAC-dark dusty star-forming galaxies
- 26 **ALMA**, *2021.1.00668.S*, PI: T. Bakx, 15.3 hrs  
Molecular gas and outflows: OH119 $\mu$ m absorption line at  $z=7.13$

- 27 **ALMA**, *2022.1.01139.S*, PI: E. Egami, 21.5 hrs  
[C II] Scan Survey of the Most UV-Luminous Galaxies at  $z \sim 7$
- 28 **ALMA**, *2022.1.01356.S*, PI: E. Egami, 35.1 hrs  
A Quest toward the Faint End of the Infrared Luminosity Function at  $z > 4$
- 29 **ALMA**, *2022.1.00230.S*, PI: Y. Fudamoto, 13.2 hrs  
How hot are high-redshift galaxies?: constraining dust temperature at  $z \sim 5$
- 30 **ALMA**, *2022.1.00055.S*, PI: Y. Harikane, 47.2 hrs  
SERENADE: Systematic Exploration at Reionization Epoch Nebula And Dust Emission
- 31 **ALMA**, *2022.1.00257.S*, PI: T. Hashimoto, 16.9 hrs  
Deep [O III] 88  $\mu\text{m}$  and dust continuum observations of two remarkably luminous galaxies at  $z \sim 10$
- 32 **NOEMA**, *W20EQ*, PI: F. Valentino, 25 hrs  
The redshift confirmation of a bright  $z=9.8$  galaxy
- 33 **NOEMA**, *S21DN*, PI: F. Valentino, 27 hrs  
The redshift confirmation of a bright  $z=9.8$  galaxy

## Large Projects Involved

- 1 **ALMA Large Project**, *2017.1.00428.L*, PI: O. Le Fèvre, 69 hrs  
The ALMA Large Program to Investigate CII at Early times (ALPINE)
- 2 **ALMA Large Project**, *2018.1.00035.L*, PI: K. Kohno, 98 hrs  
ALMA Lensing Cluster Survey (ALCS)
- 3 **ALMA Large Project**, *2023.1.00180.L*, PI: A. Faisst, 148 hrs  
The COSMOS High-z ALMA-MIRI Population Survey (CHAMPS): A Wide-Area Comprehensive Survey of the Dusty Universe
- 4 **JWST ERS Project**, *Cycle 1 1354*, PI: S. Finkelstein, 65 hrs  
The Cosmic Evolution Early Release Science Survey (CEERS)
- 5 **JWST Treasury Project**, *GO Cycle 1 2079*, PI: S. Finkelstein, 122 hrs  
The Webb Deep Extragalactic Exploratory Public Survey: Feedback in Low-Mass Galaxies from Cosmic Dawn to Dusk (NGDEEP)
- 6 **JWST Treasury Project**, *GO Cycle 1 1727*, PIs: J. Kartaltepe & C. Casey, 218 hrs  
The JWST Cosmic Origins Survey (COSMOS-Web)
- 7 **JWST Treasury Project**, *GO Cycle 1 2561*, PIs I. Labbe & R. Bezanson, 83.3 hrs  
Ultra-deep NIRCcam and NIRSpec Observations Before the Epoch of Reionization (UNCOVER)
- 8 **JWST Large Project**, *GO Cycle 2 3293*, PIs H. Atek & J. Chisholm, 147.8 hrs  
JWST's GLIMPSE: Gravitational lensing & NIRCcam imaging to probe early galaxy formation and sources of reionization (GLIMPSE)

## Supervising & Teaching

2023–present **Co-supervisor of Clara Giménez-Arteaga (PhD student at DAWN), [a paper submitted](#)**

- 2021–2022 **Primary supervisor of Hollis Akins (Bachelor student at Grinnell College), [a paper published in ApJ](#)**
- 2021–2022 **Co-supervisor of Vasily Kokorev (PhD student at DAWN), [a paper published in ApJ](#)**
- 2021–2022 **Co-supervisor of Meghana Killi (PhD student at DAWN), [a paper published in MNRAS](#)**
- 2016–2018 **Lecture talk in “Science Lab”, *Hikawa High School, Japan***
- 2016–2017 **Teaching assistance for 5–6 bachelor students, *for a week-long intensive course to make them obtain practical research experience***

## Professional Service

- 2023 **ALMA Science Assessors (Proposal review for large programs)**
- 2020 **Committee member of DAWN PhD student selection**
- 2020 **Committee member of DAWN-IRES Scholars program Selection**
- 2019–present **Referee for telescope proposal of JWST, HST, Subaru, JCMT, ALMA, Gemini, VLT**
- 2017–present **Referee for journal papers of ApJ, ApJL, MNRAS, A&A**

## Outreach Experience

- 2023 **[Press Release](#), “Set of Extremely Distant Galaxies (NIRSpec MSA Emission Spectra)”, *NASA, ESA, CSA***
- 2022 **[Press Release](#), “Hubble Sheds Light on Origins of Supermassive Black Holes”, *ESA/Hubble, NASA, INAF, DAWN, NAOJ***
- 2021 **[Press Release](#), “ALMA Discovers Rotating Infant Galaxy with Help of Natural Cosmic Telescope”, *NAOJ, U. Tokyo, ICRR, DAWN***
- 2019 **[Press Release](#), “Carbon Cocoon Surrounded Growing Galaxies – ALMA Spots Earliest Environment Pollution in the Universe –”, *NAOJ, U. Tokyo, ICRR, U. Osaka, SNS, DAWN, NBI***
- 2016 **[Press Release](#), “ALMA Resolves the Cosmic Infrared Background Light”, *NAOJ, U. Tokyo, ICRR***
- 2023 **[Public talk](#) in Board of Visitors Meeting, “Exploring visible and obscured sides of the early Universe”, *UT Austin, USA***
- 2019 **Public talk: “The Sense of Wonder”, *All Nippon Airways, Japan***
- 2017 **Web Article “Beyond Connecting Dots”, *School of Science News in U. Tokyo***
- 2012–2014 **Monthly star gazing event management staff, *NAOJ***

## International Conferences (Highlights)

- Summary **Invited (13), Peer-reviewed oral talks (>20), other oral talks (>30)**
- 2024 (invite) **Cosmic Origins: the first billion years, *Santa Barbara, USA***
- 2024 (invite) **Gas, Dust, and Star-Formation in Galaxies from the Local to Far Universe, *Crete, Greece***

- 2024 (invite) **The chronology of the very early Universe according to JWST: the first billion years**, *Bern*, Switzerland
- 2024 (invite) **The growth of galaxies in the Early Universe - IX**, *Sesto*, Italy
- 2024 (invite) **I2I: Back Again to Linking Galaxy Physics From ISM to IGM Scales**, *Sesto*, Italy
- 2023 (invite) **Star formation within evolving galaxies: The revolution of upcoming space missions**, *Bern*, Switzerland
- 2022 (invite) **In Situ View of Galaxy Formation 2**, *Ringberg*, Germany
- 2022 (invite) **I2I: Linking galaxy physics from ISM to IGM scales**, *Sesto*, Italy
- 2022 (invite) **The growth of galaxies in the Early Universe - VII**, *Sesto*, Italy
- 2019 (invite) **Ringberg Workshop**, *Ringberg*, Germany
- 2019 (invite) **Revolutionary Spectroscopy of Today as Springboard to Webb**, *Leiden*, Netherlands
- 2019 (invite) **DAWN Summit**, *Copenhagen*, Denmark
- 2018 (invite) **Chili-Japan Academic Forum**, *Nikko*, Japan
  - 2023 **Resolving the Extragalactic Universe with ALMA & JWST**, *Tokyo*, Japan
  - 2023 **JWST First Light Conference**, *Boston*, USA
  - 2022 **COSPAR 2022 – Super Massive Black Holes at High Redshift**, *Athens*, Greece
  - 2022 **COSMOS Meeting 2022**, *Paris*, France
  - 2019 **ALMA 2019: Science Results and Cross-Facility Synergies**, *Cagliari*, Italy
  - 2019 **Views on the ISM in galaxies in the ALMA era**, *Bologna*, Italy
  - 2019 **Extremely Big Eyes on the Early Universe**, *Roma*, Italy
  - 2017 **Twenty years of Submillimeter Galaxies**, *Durham*, England
  - 2016 **The 6th Subaru International Conference**, *Hiroshima*, Japan

## Colloquia & Seminar talks (Highlights)

- 2023 **IPMU Lunch Seminar**, *Chiba*, Japan
- 2023 **NAOJ Colloquium**, *Tokyo*, Japan
- 2023 **University of Tokyo, Colloquium**, *Tokyo*, Japan
- 2022 **INAF Bologna lunch seminar**, *Bologna*, Italy
- 2022 **FORTH/IA Seminar**, *Crete*, Greece
- 2021 **Galaxy Evolution Seminar**, *Cambridge*, UK
- 2021 **Exgal-Cosmology series**, *UT Austin*, United States
- 2021 **Special Seminar**, *UCLA*, United States
- 2020 **Lunch Seminar**, *ESO*, Germany
- 2019 **Special Visitor Seminar**, *MPIA*, Germany
- 2019 **Wednesday Colloquium**, *Caltech*, United States
- 2018 **Galaxy Seminar**, *STScI*, United States



- 2018 **Special Visitor Seminar**, SNS, Italy
- 2018 **Special Visitor Seminar**, LAM, France
- 2017 **Lunch Seminar**, EAO, United States
- 2016 **Special Visitor Seminar**, *University of Stockholm*, Sweden
- 2016 **Lunch Seminar**, *Geneva Observatory*, Switzerland