**Kavli Institute for Astronomy and Astrophysics**
**Peking University**
**北京大学科维理天文与天体物理研究所**

# Gregory J. Herczeg


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## Education

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| Ph.D. Astrophysics, University of Colorado, Department of Astrophysics and Planetary Science<br>*Molecular hydrogen fluorescence and accretion in far-ultraviolet spectra of classical T Tauri stars*<br>Advisor: Jeffrey L. Linsky | Aug 2005 |
| M.S. Astrophysics, University of Colorado | Aug 2002 |
| B.S., University of Notre Dame<br>Physics and Honors Mathematics; cum laude | May 1999 |

## Academic Appointments

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|---|---|
| Associate Director for Science, Kavli Institute for Astronomy and Astrophysics, Peking University | Jan 2019-present |
| Associate Professor, Kavli Institute for Astronomy and Astrophysics, Peking University | Dec 2017-present |
| Assistant Professor, Kavli Institute for Astronomy and Astrophysics, Peking University | Dec 2011-Nov 2017 |
| Science Editor, AAS Journals (includes ApJ) | 2020- |
| Visiting Astronomer, Caltech | Jun 2019- |
| Visiting Astronomer, Observatoire de Paris-LERMA | 2013 |
| Postdoctoral Research Fellow, Max Planck Institute for Extraterrestrial Physics Advisor: Ewine van Dishoeck | 2008-2011 |
| Postdoctoral Research Fellow<br>California Institute of Technology, advisor Lynne Hillenbrand | 2005-2008 |

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| **Awards** | Youth Qianren (Thousand Talent) Award | 2012 |
| | PKU Boya Award | 2017 |
| | Peking University Yan Yuan Friendship Award | 2018 |
| **Advisory and Scientific Committees** | Representative of China/NAOC to Thirty Meter Telescope Science Advisory Committee | 2015 --present |
| | Chair, Science Advisory Committee, Thirty Meter Telescope | 2020-2022 |
| | HST Ultraviolet Legacy Director's Discretionary Initiative, Working Group member | 2019 |
| | Hyperion Space Mission Proposal, Red Team | 2019 |
| | Co-Convener of Thirty Meter Telescope International Science Definition Team for Star and Planet Formation | Jun 2015 --present |
| | Scientific Advisory Committee for Telescope Access Program led by NAOC, Beijing, China | 2014 |
| | Planning Committee for the Telescope Access Program, led by NAOC (Shude Mao, Eric Peng) | 2013-2018 |
| **Media** | National Public Radio (US) interview with Joe Palka https://www.npr.org/transcripts/669645323 | 2018 |
| | An interview with Prof. Frank Timmes at AAS Journals https://www.youtube.com/watch?v=5s13SpHuieU | 2021 |
| **Conference Organization** | Science Organizing Committee: Cool Stars, Stellar Systems, and the Sun 21, Toulouse, France | June 2022 |
| | Co-organizer, "The Ongoing Development of Chinese Astronomy", Splinter Session at AAS 235, organized with Prof. Taotao Fang | Jan 2020 |
| | Co-chair, TMT Science Forum 2018, Pasadena, CA | Dec 2018 |
| | Chair, China-TMT/MICHI workshop, NAOC, Beijing, China | Jul 2018 |
| | Scientific Organizing Committee: Future Exploration of Star and Planet Formation with Subaru, ASIAA, Taipei, Taiwan | Dec 2017 |
| | Scientific Organizing Committee: Protoplanetary DISCussions, Edinburg, Scotland | Mar 2016 |

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| | Scientific Organizing Committee: IAU Symposium 314, Young Stars and Planets Near the Sun, Atlanta, GA, USA | May 2015 |
| | Chair of Scientific Organizing Committee: Nanjing-Beijing Bilateral Workshop, Nanjing, China | Apr 2015 |
| | Co-convener: The Disk in Relation to the Formation of Planets and their Protoatmospheres, ISSI-Beijing/NSSC, Beijing, China | Aug 2014 |
| | Scientific Organizing Committee: Formation and evolution of low mass stars and brown dwarfs, Garching, Germany | Nov 2011 |
| | Host and Lead Organizer: Transport Processes and Accretion at Schloß Ringberg, Germany | Feb 2011 |
| | Lead Organizer, JCMT-Transient Team Meetings in Taiwan (2), China, Japan, South Korea | 2016-2019 |
| | Local Organizing Committee: From Circumstellar Disks to Planetary Systems, Garching, Germany | Nov 2009 |
| | Local Organizing Committee: Cool Stars, Stellar Systems, and the Sun 12, Boulder, CO, USA | Aug 2001 |
| **Time Allocation Committees** | Telescope Access Program (China) | |
| | Panel Chair in 2015A | 2015 |
| | Co-chair in 2014B, 2015B | 2014-2015 |
| | Large Program Panelist (chair Sandy Faber, You-Hua Chu) | 2014 |
| | Panelist in 2013A, 2014A | 2013-2014 |
| | General contributions in running the TAC | 2013-2018 |
| | ESO Observing Programmes Committee | |
| | Panelist (Period 93-94) | 2013-2014 |
| | Large Program Panel (Period 94) | 2014 |
| | Hubble Space Telescope, | |
| | External Panelist, Cycles 28-30 | 2019-2022 |
| | Mid-cycle External Review, Cycles 24, 26-28, 30 | 2017-2021 |
| | Large Panel External Review, Cycle 26 | 2018 |
| | Cycle 18 Panelist | 2010 |
| | ALMA, External Panelist for Large Programs, Cycle 10 | 2022 |
| | Subaru External Panelist | Fall 2019 |
| | Thirty Meter Telescope simulated call for Large Programs | 2016 |
| | Chandra X-ray Observatory Cycle 12 Panelist | 2010 |
| **Referee** | ApJ, ApJ Letters, MNRAS, A&A, A&AL, RAA, PASJ, JOAA (India) | 2006- |

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| **Teaching Experience** | Advanced Science Writing for Astronomy | 2020- |
| | Modern Astronomy (general education introductory course) | 2019- |
| | Stellar Structure and Evolution; required PKU core PhD curriculum | 2015-2019 |
| | Guest lecturer, Frontiers of Astrophysics PKU course | 2012-- |
| **Committee work at Peking University** | KIAA Faculty Search Committee | 2014— |
| | Chair | 2018— |
| | KIAA Postdoctoral Committee | 2014— |
| | Chair | 2016— |
| | Graduate Student Committee | 2013— |
| | Organizer of PKU Astronomy Postdoctoral Forum | 2014— |
| | Chair, Visiting Astronomers Committee | 2012-2013 |
| **Postdoc Supervision** | Yuhiko Aoyama, co-advised with Lile Wang, Kohei Inayoshi | 2022-2024 |
| | Haifeng Yang, co-advised with Lile Wang | 2021-2023 |
| | Anupam Bhardwaj, co-advised with Richard de Grijs: currently Marie Curie Fellow at INAF-Capodimonte (Italy) | 2018-2020 |
| | Jessy Jose, currently professor at IISER-Tirupati (India) *Star formation versus environment: characterizing star formation through multi-wavelength imaging* | 2014-2017 |
| | Michael Gully-Santiago, currently postdoc at UT-Austin, USA *Photospheric modelling of high-resolution near-IR spectra of young stars: improving age measurements of young stars* | 2015-2016 |
| **PhD Student Supervision** | Zhen Guo, PhD in 2018, postdoc at Hertsfordshire; awarded FONDECYT Fellowship to start in 2022. *The Physical mechanisms behind the variabilities of young stellar objects* | 2013-2018 |
| | Feng Long, 2019 PhD, SMA Fellow at Harvard-Smithsonian Center for Astrophysics; awarded a Hubble Fellowship to start in 2022. Probing the Early Stage of Planet Formation: ALMA Surveys of Planet-forming Disks | 2013-2019 |
| | Ziyan Xu, 2021 PhD, postdoc at University of Lyons, *Physical Processes of Planet Formation and Protoplanetary Disk Dispersal* | 2015-2021 |

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| | Xingyu Zhou, 5th year PhD student, *Gaia diagnostics of star formation in our local neighborhood* | 2017-2023 |
| | Yangfan Shi, 2nd year PhD student, *ALMA observations of protoplanetary disks* | 2021-2027 |
| | Ningchen Sun (local advisor only; science advisor Richard de Grijs, Hierarchical Star Formation in the Magellanic Clouds | 2018 |
| | Matthew Molloy (local advisor only; science advisor Martin Smith), Galactic Archaeology with N-body Simulations | 2015 |
| | Agata Karska, PhD student at MPE and Leiden University<br>Co-advisor with Ewine van Dishoeck; currently equivalent of associate professor at Nicolas Copernicus University, Poland<br>*Feedback from deeply embedded low- and high-mass protostars. Surveying hot molecular gas with Herschel* | 2009-2014 |
| **Bachelor Student Supervision** | Hanpu Liu, 2nd year undergraduate | 2021-2024 |
| | Yiming Xu, 2nd year undergraduate | 2022-2024 |
| | Chen Yuan, currently PhD student at Leiden Observatory *Modeling HD emission from protoplanetary disks* (with Bergin) | 2017-2019 |
| | Qiliang Fang, currently PhD student at University of Kyoto<br>*Star Formation History of the Upper Sco OB Association* | 2015-2018 |
| | Wenxiu Li, undergraduate student at Peking University, *K2 Observations of Spots in the Pleiades and Upper Sco,* currently a PhD student at PKU | 2017-2018 |
| | Yiren Wang, undergraduate student at Peking University, *Variability of Young Stars with JCMT;* MS from Columbia in data science | 2016-2017 |
| | Yuguang Chen, undergraduate, *Variable Accretion onto the nearby young star TW Hya*, PhD from Caltech, postdoc UC-Davis | 2013-2015 |
| | Yifan Zhou, undergraduate, *Accretion onto planetary-mass companions of young solar-mass stars*, published as Zhou et al. 2014, ApJL, 783, 17; PhD Arizona; 51 Peg b fellow at Texas | 2012-2014 |
| | Rixin Li, undergraduate, *Searching for weak accretion in transition disks*; PhD Arizona, postdoc at Cornell | 2012-2014 |
| | Munan Gong, undergraduate, *Herschel/PACS photometry of nearby young brown dwarfs*, published as Liu, Herczeg, Gong et al. 2014, A&AL, 573, 63. PhD Princeton, postdoc at MPE | 2012 |

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| **Funding awards to PKU/KIAA** | Total funding at PKU: 5,115,500 RMB (~$780,000 USD) | |
| | General Grant, National Science Foundation of China, *Accretion variability and its consequences*: 600,000 RMB | 2022-2025 |
| | Grant from Peking University to support the development of the Advanced Writing for Astronomy PhD course, 20,000 RMB | 2021-2022 |
| | CASSACA (China-Chile) grant, *UDP- KIAA collaboration on Young Stellar Objects in nearby molecular clouds*, joint program with Prof. Lucas Cieza at Universidad Diego Portales. $30,500 USD to KIAA, total of $86,400 | 2020-2022 |
| | MOST (PI Subo Dong, Co-I Herczeg), *Exoplanet system research and observational search based on LAMOST sky survey, T*otal funding 2,000,000 RMB, about 300,000 RMB for Herczeg | 2020-2023 |
| | General Grant, National Science Foundation of China, *The evolution of protoplanetary disks and their host stars,* 620,000 RMB | 2015-2018 |
| | Grant from Peking University to support the development of the Stellar Structure and Evolution PhD course, 50,000 RMB | 2016-2017 |
| | General Grant, National Science Foundation of China, *Accretion variability and the growth of protostars*: 995,000 RMB | 2013-2015 |
| | Youth Talent Award from the Chinese government: *Construction of Stars and Planets,* 2.0M RMB. First foreigner to win a Youth Talent Award | 2012-2014 |
| | National Science Foundation of China International Young Scholars Award, *Formation of Stars and Planets***:** 200,000 RMB | 2012-2013 |
| | Bairen Award from Peking University: *Formation of Stars and Planets*, 300,000 RMB | 2012-2013 |
| **External Funding Program** | Outflows and Disks around Young Stars: Synergies for the Exploration of Ullyses Spectra (ODYSSEUS); PI Herczeg, Cycle 28, HST-AR 16129; 88-member team. Program awarded $1.1 million USD to US collaborators to fund analysis of ULLYSES DDT Legacy Survey. https://sites.bu.edu/odysseus | 2021-2023 |
| **PI, Large Programs** | East Asian Observatory JCMT/SCUBA2 Survey Program: *A Transient Search for Variable Protostars: How do stars gain their mass?* 600 hrs, PI Herczeg; large team with 65 members (~20 core members); includes original program and extensions | 2016-2023 |

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| | Disks, Accretion, and Outflow of T Tau Stars, P.I. Gregory Herczeg, 111 orbit with HST to survey T Tauri stars in far-ultraviolet spectroscopy with COS and STIS | 2009-2013 |
| **Observing programs awarded as PI (or student PI)** | Gemini GN2021B-Q-206, 2021A-Q-106, GS-2021A-Q-110, GN-2020B-FT-110, total of 39.5 hrs: *The inner disk heating of WISE-selected protostellar variables*; total of 39.5 hrs. PI Johnstone, Herczeg lead observer | 2020-2021 |
| | NASA/IRTF, 2021B043, *The inner disk heating of NEOWISE-selected protostellar variables*, 32.5 hrs. | 2021 |
| | Palomar/Hale Telescope, 2021B, *The inner disk heating of NEOWISE-selected protostellar variables*, 3 nights | 2021 |
| | ALMA Cycle 7, 11.6 hrs, 2019.1.00566.S: *An Unbiased Survey of Disk Structures and Planet Formation around Very Low-mass Stars in Taurus*. Priority C, 50% completion. | 2019 |
| | ALMA Cycle 7, 13.8 hrs, 2019.1.00607.S (PI Long, PKU PhD student) *A Closer Look at the Small Disks*. Priority B (very highly ranked), 20% completion due to covid. Same proposal awarded as 2021.1.01050.S (PI Long at CfA). | 2019 |
| | ALMA Cycle 6, 12.2 hrs, 2018.1.00614.S (PI Long, PKU PhD student): *Are Large Grains Trapped in Disk Rings?* Priority A, 100% completion | 2018 |
| | Subaru S17B-108, HSC, 1 night: PI Jose (PKU postdoc), *Steady march of feedback-driven star formation: An HSC survey of Tr37*, 1 night | 2017 |
| | IRTF 2017A086 (PI Covey, leads Herczeg and PKU postdoc Gully-Santiago) and 2017B071 (PI Gully-Santiago), Measuring accurate fundamental properties of young stars, 88 hrs | 2017 |
| | ALMA Cycle 4, 13.1 hrs, *2016.1.01164.S*: *An Unbiased Survey of Disk Structures in Taurus.* Priority B, 100% completion. | 2016 |
| | Very Large Telescope/MUSE, Cycle 98, 8 hrs, Priority B (19:1 oversubscription): *Brothers from different mothers: comparing star and disk evolution in twin star forming regions with different metallicities.* Data expected in 2016B | 2016 |
| | Gemini North/GMOS, 21.4 hrs, Priority A: *Accretion and the formation of very low mass objects*; data to be obtained in 2016B | 2016 |
| | Palomar/DBSP and TripleSpec, 4 nights total: *Spectroscopic Classification of Outbursts on Young Stellar Objects*, data scheduled for Dec. 2016 | 2016 |

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| | Gemini South/GMOS, 2.0-hrs, Priority C: *Accretion and the formation of very low mass objects*, 2016B | 2016 |
| | Hubble Space Telescope/STIS, Cycle 23 (PI C-F Liu, co-PI Herczeg): GO 14177, 2 orbits, *Identifying Ionization Mechanisms through Spatially-Resolved Neon Emission in the Jets of Sz 102* | 2015 |
| | Hubble Space Telescope/STIS, Cycle 23: GO 14196, 3 orbits, *The Very Low Mass Object FW Tau b: an Edge-on Brown Dwarf Disk or a Planet Caught in Formation* | 2015 |
| | CFHT/SITELLE, 4 hrs in Science Verification: *A SITELLE SV Observation of a Star Forming Region*, 2015B | 2015 |
| | JCMT/SCUBA2, 7 hrs in 2015A and 2015B, *Accretion variability and the growth of protostars* | 2015 |
| | ALMA Cycle 3, 2.0 hrs, Priority C, *Masses of young very low mass stars and brown dwarfs from disk rotation*. No data obtained. | 2015 |
| | CFHT/ESPaDOnS, 20 hrs, *MaTYSSE-China*, 2015A; contribution to the Large CFHT program MaTYSSE (PI Donati) | 2015 |
| | Palomar/SWIFT: *The Growth of Wide Planetary Mass Companions to Young Stars*, 2 nights in 2014B | 2015 |
| | Very Large Telescope/X-Shooter, Cycle 94, 13.4 hours: *Empirical Isochrones of Nearby Young Stellar Associations* | 2014 |
| | CFHT/ESPaDOnS: 6.6 hrs, *Rotational Modulation of accretion rate measurements*, 2013 | 2014 |
| | Very Large Telescope/CRIRES, Cycle 89, 20 hrs; *Testing magnetospheric accretion models with high resolution He I spectra* | 2012 |
| **Co-I on other selected programs** | James Webb Space Telescope, GO-1640 (PI Banzatti), The infrared water spectrum as a tracer of pebble delivery to rocky planets, 19.7 hrs on MIRI | 2022 |
| | ESO-VLT Large Public Survey PENELLOPE (PI Manara), 106.20Z8, 250 hrs with UVES, ESPRESSO, and X-Shooter<br>https://sites.google.com/view/cfmanara/penellope | 2020-2022 |
| | Magnetic Topologies of Young Stars & the Survival of close-in massive Exoplanets (MaTYSSE), P.I. Jean-François Donati: 510 hours on CFHT/ESPaDOnS | 2013-2017 |
| | Co-I on 39 different approved ALMA programs | 2011-2022 |

**Selected Recent Colloquia and Invited Talks**

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| Invited Colloquium, "From protostars to adolescence: A tour of stellar systems", Macquarie University, Australia | Dec 2021 |
| Contributed Talk, "First Results from the ODYSSEUS Team: Accretion, Ejection, and Disk Irradiation of CVSO 109", Network for UV Astronomy eMeeting 2021 | Oct 2021 |
| Invited Review Talk, "Measuring Accretion Variability onto Protostars", Star Formation: From Clouds to Disks, Dublin, Ireland (remote talk) | Oct 2021 |
| Invited Lecture, "Observations of Planet Formation", Purple Mountain Observatory, Nanjing, China | Sep 2021 |
| Invited Colloquium, "From protostars to adolescence: A tour of stellar systems", NAOC, Beijing, China | Mar 2021 |
| Invited Colloquium, "From protostars to adolescence: A tour of stellar systems", TIFR, India | Oct 2020 |
| Invited seminar, "Testing the early evolution of pre-main sequence stars", National Research Council of Canada, Victoria, Canada | Feb 2020 |
| Invited seminar, "The JCMT Transient Survey: How do stars gain their mass?" Carnegie Observatories, Pasadena, CA, USA | Feb 2020 |
| Invited astronomy colloquium, "From protostars to adolescence: A tour of stellar systems", UNLV, Los Angeles, USA | Feb 2020 |
| Invited astronomy colloquium, "From protostars to adolescence: A tour of stellar systems", UCLA, Los Angeles, USA | Jan 2020 |
| Invited Talk, "An Unbiased Survey of Protoplanetary Disks in Taurus" at Planet Formation Workshop 2019, NAOJ, Tokyo, Japan | Nov 2019 |
| Invited astronomy colloquium, "From protostars to adolescence: A tour of stellar systems", Caltech, Pasadena, USA | Oct 2019 |
| Invited Colloquium, "The evolution of pre-main sequence stars and their protoplanetary disks", ASIAA, Taipei | Aug 2019 |
| Lunch seminar, "How do stars gain their mass? The East Asian Observatory JCMT-Transient Survey' ASIAA, Taipei | Aug 2019 |
| Invited Colloquium, "The evolution of pre-main sequence stars and their protoplanetary disks", National Central University, Taoyuan | Aug 2019 |
| Invited Talk, "An Unbiased Survey of Protoplanetary Disks in Taurus" at "Great Barriers in Planet Formation", in Queensland, Australia | July 2019 |

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| Invited Colloquium, “Accretion onto Pre-Main Sequence Stars”, University of Science and Technology of China, Hefei, China | May 2019 |
| Invited Review, “Accretion and ejection during the formation of young brown dwarfs”, at “Planet Forming Disks”, Villa Vigoni, Italy, hosted by MPIA | Mar 2019 |
| Contributed talk, “Star and Planet Formation with the TMT”, TMT Science Forum Splinter Session, Pasadena, CA, USA | Dec 2018 |
| Invited seminar, “The JCMT-Transient Survey: How do stars grow?”, at Nanjing University | Nov 2018 |
| Contributed talk, “An unbiased ALMA survey of disk substructures in Taurus”, Chinese Astronomical Society Meeting, Kunming, China | Nov 2018 |
| Invited seminar, “Ages of young stars”, ESO, Garching, Germany | Sep 2018 |
| Invited whiteboard seminar, “The JCMT-Transient Survey”, ESO, Garching, Germany | Sep 2018 |
| Invited seminar, “The JCMT-Transient Survey: How do stars grow?”, at Kavli-IPMU, University of Tokyo, Tokyo, Japan | Jul 2018 |
| Invited talk, “Second Generation Instruments with the TMT” at the China-TMT/MICHI workshop, NAOC, Beijing, China | Jul 2018 |
| Invited Review, “Ages of young stars” at “The 21st Century H-R Diagram: The power of precision photometry”, STScI, Baltimore, MD, USA | Apr 2018 |
| Invited Review: “Ages of young stars” at “Ages^2: Taking stellar ages to the next power”, Elba Island, Italy | Sep 2017 |
| Invited Review: “Accretion onto pre-main sequence stars”, at The Accreting Universe, Shanghai, China (hosted by Shanghai Jiaotong University and TDLI Institute) | Jul 2017 |
| Invited Colloquium, “Evolution of protoplanetary disks and their host stars”, Xiamen University, Xiamen, China | May 2017 |
| Invited Colloquium, “Evolution of protoplanetary disks and their host stars”, NAOC, Beijing, China | Apr 2017 |
| Invited Talk, “Star and Planet Formation with EAO and Subaru” at Subaru International Partnership Science and Instrumentation Workshop, NAOJ, Tokyo, Japan | Mar 2017 |

Host and Lead Organizer, JCMT-Transient Team Meeting, Nanjing, China — Feb 2017

Discussion Lead, "Galactic Science with the JCMT", JCMT User's Meeting, Nanjing, China — Feb 2017

Invited Talk, "Star and Planet Formation with a 12m telescope at Ali", KIAA Forum, KIAA, Beijing, China — Nov 2016

Contributed Talk, "Exoplanets and Planet Formation with a mid-IR instrument at Ali", 12m Forum, NAOC, Beijing, China — Oct 2016

Transient Meeting, National Tsinghua Univ., Hsinchu, Taiwan: *JCMT Transient Survey: How do stars gain their mass?* — Jul 2016

Peking University-Chinese Univ of Hong Kong Bilateral Meeting, Peking University: *Star and Planet Formation at PKU* (invited) — Jul 2016

Thirty Meter Telescope 2016 Forum, Kyoto, Japan: *CO Fundamental Emission from protoplanetary disks* (splinter talk) — May 2016

JCMT Users Meeting, NAOJ, Mitaka, Tokyo, Japan*: The JCMT Transient Survey: How do stars gain their mass?* (invited) — Apr 2016

Chicagoland Exoplanet Meeting, Northwestern University: *Observations of dust traps in protoplanetary disks* (invited) — Mar 2016

High Resolution Spectroscopy with IGRINS Conference at Seoul National University, Seoul, Korea: *Young Stellar Objects and Protoplanetary Disks* (invited review) — Nov 2015

MaTYSSE Meeting, IRAP, Toulouse, France: *The accretion continuum of TW Hya* (invited) — Oct 2015

Thirty Meter Telescope Science Forum, Washington, DC: *Star and Planet Formation with the TMT: Science Goals and Preparatory Research* (invited review) — Jun 2015

Yunnan Astronomical Observatory Colloquium, Kunming, China: *Early Stellar Evolution and Planet Formation* (invited) — Jun 2015

Tsinghua University Colloquium, Beijing, China: *Observational glimpses of planet formation in of protoplanetary disks* (invited) — Jun 2015

Nanjing-Beijing Bilateral Workshop, Nanjing, China: *Observations of Protoplanetary Disks* (invited) — Apr 2015

Sino-German Workshop on Star and Planet Formation, Nanjing, China: *Properties of Young Stars: HR Diagrams, Ages, and Accretion* (invited review) — Mar 2015

Seminar at Harvard-Smithsonian Center for Astrophysics: *Stars in adolescence: wild accretion, manic depression, fits of irrational outbursts, and pimply spots* — Feb 2015

Chinese Astronomical Society Meeting, Lintong, China: *Observational Probes of Planet Formation* (contributed) — Oct 2014

ETH-Zürich Colloquium, Zürich, Switzerland: *Stars in adolescence: wild accretion, manic depression, fits of irrational outbursts, and pimply spots* (invited) — Sep 2014

ISSI-Beijing Workshop The Disk in Relation to the Formation of Planets and their Protoatmospheres, Beijing, China: *Direct Imaging of Exoplanets and Their Disks* (invited review) — Aug 2014

ISSI-Beijing Workshop, Beijing, China: *The Inner Gaseous Disk* (invited review) — Aug 2014

Shanghai Astronomical Observatory Colloquium, Shanghai, China: *Stars in adolescence* (invited) — June 2014

Oort Workshop on Episodic Accretion, Leiden, Netherlands: *Measuring Accretion and Ages of Young Stars* — May 2014

Challenges in UV Astronomy, European Southern Observatories, Garching, Germany: *Challenges in FUV Observations of Young Stars* (invited review) — Oct 2013

Observatoire de Paris-LERMA Colloquium, Paris, France: *Herschel/PACS Observations of Protostellar Outflows and Protoplanetary Disks* (invited) — May 2013

IRAP-OMP Colloquium, Toulouse, France: *Accretion onto young low-mass stars and brown dwarfs* (invited) — May 2013

Shanghai Astronomical Observatory Colloquium: *Herschel's Views of Star Formation* (invited) — Nov 2012

Cool Stars, Stellar Systems, and the Sun, Barcelona, Spain: *Accretion in Brown Dwarf Disks* (invited splinter talk) — Jun 2012

# Gregory J. Herczeg: Publication List

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| First author refereed publications | 14 |
| PKU Student/Postdoc first-author publications | 16 |
| Total refereed publications | 218 |
| Citations to first author refereed papers | 1415 |
| Citations to student/postdoc papers | 810 |
| Citations to all refereed papers | 11118 |
| h-index from ads | 60 |

Citations from 2022 Sept 26. Public library of all co-author papers:
https://ui.adsabs.harvard.edu/public-libraries/ZK5-ZiDqQNKIMlrv4BxAVA

**Refereed publications (*=PKU student/postdoc as first author, #=corresponding author)**

218. Francis, L., Johnstone, D., Lee, J.-E., **Herczeg, G.J.**, et al. 2022, ApJ, accepted: *Accretion Burst Echoes as Probes of Protostellar Environments and Episodic Mass Assembly*

217. Pittman, C.V., Espaillat, C.C., Robinson, C., …, **Herczeg, G.J.**, et al. 2022, ApJ, accepted: *Towards a comprehensive view of accretion, inner disks, and extinction in classical T Tauri stars: an ODYSSEUS study of the Orion OB1b association*

216. Johnstone, D., Lalchand, B., Mairs, S., et al. 2022, ApJ, 937, 6: *The JCMT Transient Survey: Single-epoch Transients and Variability of Faint Sources*

215. *Liu, H., **Herczeg, G.J**., Johnstone, D., et al. 2022, ApJ, 936, 152: *Diagnosing FU Ori-like Sources: The Parameter Space of Viscously Heated Disks in the Optical and Near-infrared*

214. Wang, X.-L., Fang, M., Gao, Y., Wang., H., **Herczeg, G.J.,** et al. 2022, ApJ, 936, 23: *Distributed YSOs in the Perseus Molecular Cloud from the Gaia and LAMOST Surveys*

213. Wilson, T.J.G., Matt, S., Harries, T.J., & **Herczeg, G.J.** 2022, MNRAS, 514, 2162: *Hydrogen emission from accretion and outflow in T Tauri stars.*

212. Fischer, W.J., Hillenbrand, L.A., **Herczeg, G.J**., Johnstone, D., Kospal, A., & Dunham, M. 2022, Protostars & Planets VII, *Accretion Variability as a Guide to Stellar Mass Assembly*

211. Claes, R.A.B., Manara, C.F., Garcia-Lopez, R., …, **Herczeg, G.J.,** et al. 2022, A&A, 664, 7: *PENELLOPE. III. The peculiar accretion variability of XX Cha and its impact on the observed spread of accretion rates*

210. Flagg, L., Johns-Krull, C.M., France, K., **Herczeg, G.J.**, et al. 2022, ApJ, 934, 8: *The Mysterious Affair of the H2 in AU Mic*

209. *Zhou, X., **Herczeg, G.J**., Liu, Y., Fang, M., & Kuhn, M. 2022, ApJ, 933, 77: *The Ages of Optically Bright Subclusters in the Serpens Star-forming Region*

208: Yoon, S.-Y., #**Herczeg, G.J**., Lee, J.-E., et al., 2022, ApJ, 929, 60: *Dissecting the different components of the modest accretion bursts of the very young protostar HOPS 373*

207. Rota, A.A., Manara, C.F., …, **Herczeg, G.J**., et al., 2022, A&A, 662, 121, *Observational constraints on disc sizes in protoplanetary discs in multiple systems in the Taurus region. II. Gas disc sizes*

206. Espaillat, C.C., **Herczeg, G.J.**, et al. 2022, AJ, 163, 114: *The ODYSSEUS Survey. Motivation and First Results: Accretion, Ejection, and Disk Irradiation of CVSO 109*

205. Gupta, S., Jose, J., …, **Herczeg, G.J**., et al., 2021, MNRAS, 508, 3388, *Subaru Hyper Suprime-Cam Survey of Cygnus OB2 Complex - I. Introduction, photometry, and source catalogue*

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