

Feng Long | SMA Fellow

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Education

Peking University <i>Ph.D, Astrophysics</i>	Beijing, China 2013 - 2019
Advisor - Gregory J. Herczeg	
Thesis Title - Probing the Early Stage of Planet Formation: ALMA Surveys of Planet-forming Disks	
Peking University <i>B.S., Astronomy</i>	Beijing, China 2009 - 2013

Employment

Center for Astrophysics Harvard & Smithsonian <i>Submillimeter Array (SMA) Fellow</i>	USA Sept. 2019 -
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Research

Star and planet formation, protoplanetary disks, (sub)mm interferometry

Research Experiences

Jan 2018: Visiting student with Dr. Paola Pinilla, Univ. of Arizona
Sept. 2017: Visiting student at Prof. Ewine van Dishoeck's group, MPE
March 2016: Visiting student at Prof. Ilaria Pascucci's group, Univ. of Arizona

Refereed Publications

*see the full publication list on [ADS](#)

ORCID ID: 0-0002-7607-719X

Total Publications: 15, with citation > 600 (Nov. 2020)

First Author Publications: 5 + 1 in revision, with citation > 200

Approved Observing Proposals as PI

*Involved as co-I in 6 ALMA projects, including one Large program; in 2 VLA projects, including one large program; in 1 VLT/SPHERE project; in 3 SMA projects.

7): VLA 20B, A-rank, 54h, "Testing Trapping of Large Grains in a Dust Disk Ring"

6): SMA 20B, B-rank, 8 tracks, "Mapping the Gas Environment of Heavily Veiled Young Stars"

5): SMA 20B, B-rank, 2 tracks, "Testing Binary Formation with Disk Alignment: Com-

pleting the wide binary census in Taurus"

4): SMA 20A, B-rank, 2 tracks, "Testing Binary Formation with Disk Alignment"

3): SMA 19B, A-rank, 3 tracks, "The Synergy between SMA and ALMA: test disk formation and evolution models"

2): ALMA Cycle 7 (open-sky), B-rank, 13.8h, "A Closer Look at the Small Disks"

1): ALMA Cycle 6 (open-sky), A-rank, 12.2h, "Are Large Grains Trapped in Disk Rings?"

Awards and Honors

2020: Top Cited Paper Award, AAS Publishing

2017: National Scholarship, Peking University

2016: Presidential Scholarship, Peking University

2016: Award for Community and Public Service, Peking University

2011 - 2013: National Astronomical Observatory of China Scholarship

Expertise

Astrophysical: CASA, Galarío, RADMC-3D

o interferometer data reduction, disk modeling in uv-plane, radiative transfer

Programming: Python, IDL, shell, R, Julia and C

Language: Chinese(native speaker), English(fluent)

Teaching Experience, Service & Outreach

2020 - 2021: Co-organizer of the Lorentz workshop: "Planet-forming Disks: From Surveys to Answers", Sept. 2021, Leiden, the Netherlands

2020 - 2021: SMA Interferometry School, SOC, Cambridge, USA

2020 –: Referee for A&A

2019 –: Referee for ApJ and ApJL

2019 – : CfA postdoc council member

2014 - 2018: Undergraduate Student Instructor, School of Physics, Peking University

2015: Teaching Assistant, graduate course "stellar structure and evolution", Peking University

2012: Volunteer for the XXVIIIth IAU General Assembly, Beijing

2012: Astronomy lectures about solar system to primary school students in a supporting education activity at Yunnan Province

Selected Talks and Posters

Jan 2021: (*invited/virtual*) Planetary Science Seminar, Caltech, USA

Dec 2020: Contributed Conference Talk, *Five years after HL Tau: a new era in planet formation*, Chile

Oct 2020: (*invited/virtual*) Colloquium, University of Massachusetts Amherst, USA

Oct 2020: (*invited/postponed to 2022*) Conference Talk, *From Clouds to Planets II: The Astrochemical Link*, Germany

May 2020: (*invited/virtual*) planet formation group meeting, Lund University, Sweden

April 2020: (invited/virtual) planet formation group meeting, MPIA, Germany
Oct 2019: CfA Postdoc Symposium, Cambridge, USA
June 2019: Invited Seminar, SWIFAR, Yunnan University, China
May 2019: Contributed Conference Talk, *New Horizons in Planetary Systems*, Victoria, Canada
March 2019: (invited) Conference Talk, *Planet-Forming Disks: A workshop to honor Antonella Natta*, Villa Vigoni, Italy
Dec. 2018: SMA Seminar, SAO/CfA, Cambridge, USA
Dec. 2018: TUNA lunch Talk, NARO/UVa, Virginia, USA
Dec. 2018: Seminar, UT Austin, Austin, USA
Dec. 2018: Lunch Talk, KIAA, Beijing, China
July 2018: Poster, Astrochemistry 2018, Pasadena, CA, USA
April 2018: Graduate Dinner Talk, KIAA, Beijing, China

References

Prof. Gregory Herczeg

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Prof. Ilaria Pascucci

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