

Virginie Faramaz-Gorka, Ph.D.

✉ vfaramaz@arizona.edu

🐦 @Milkyway_73

🌐 <http://virginie-faramaz.com/>



Summary

📖 **About Me.** I defended my thesis in 2014 in France, and obtained a FONDECYT postdoctoral fellowship at Pontificia Universidad Catolica in Santiago de Chile. I then became an Exoplanet Science Initiative Fellow at the Jet Propulsion Laboratory in Pasadena, California, and also worked for both JPL and NEXSci. I am now an Assistant Research Professor at Steward Observatory - University of Arizona.

📖 **Research Interests.**

- Planetary system formation & evolution in circumstellar discs
- Planet-disk interactions
- Production of exocomets, exozodiacal dust, & transport of material to the Habitable Zone
- Stability of planetary systems & their potential to develop life.

This research involves using theoretical & numerical tools, such as celestial mechanics & N-body simulations, as well as observations, in particular, (sub)mm & infrared interferometric observations (ALMA, LBTI).

📖 **Teaching, Outreach & DEI Interests.** I have also great interest in teaching and pedagogy, and have been a maths and physics teacher during most of my studies and in various situations, for both major and non major. I am also neuro-divergent, and a first generation university student. I aspire to make education and sciences accessible to everyone, and foster a safe and inclusive environment.




📖 **Metrics.**

- **Publications.** Refereed publications led/co-led: 10 - Publications total: 34 (18 refereed) - Co-lead of a Astro 2020 White Paper - Total number of citations: 740 - h index: 13 - Year of first publication: 2013.
- **Observations.** PI of 8 successful ALMA proposals (Rank A: 2; Rank B: 3, Rank C: 3) - PI of 1 successful SOFIA proposal (Priority 1) - CoI of 7 successful ALMA proposals (Rank B: 3; Rank C: 4) - CoI of 3 successful ESO/VLT proposals (Rank B: 3) - CoI of 1 successful JWST proposal.
- **Talks.** 26 Invited Talks (2 Review Talks; 13 Seminars; 5 Outreach & DEI) – 5 Contributed Talks.

Employment History

- | | |
|------------------|---|
| 2021 – | 📖 Assistant Research Professor , Steward Observatory - University of Arizona. |
| 2020 – 2021 | 📖 NExSci and JPL Postdoc; LBTI science – Science Affairs Team – Exoplanet Archive. NASA Jet Propulsion Laboratory-Caltech & NExSci-IPAC. |
| 2017 – 2020 | 📖 Exoplanet Science Initiative Postdoctoral Fellow. NASA Jet Propulsion Laboratory-Caltech. |
| 2014 – 2017 | 📖 FONDECYT Postdoctoral Fellow. Instituto de Astrofísica - Pontificia Universidad Católica, Santiago, Chile. |

Education

- 2011 – 2014  **Ph.D., IPAG-UJF, Grenoble, France** in Astrophysics.
Thesis title: *Exoplanetary Systems Dynamics* – Supervisors: H. Beust & J.-C. Augereau.
- 2010 – 2011  **M.Sc., IPAG-UJF, Grenoble, France** in Physical Systems Modelling.
Thesis title: *Dynamical modelling of the debris disc of ζ^2 Reticuli* – Supervisor: H. Beust.
- 2008 – 2010  **M.Sc., IPAG-UJF, Grenoble, France** in Astrophysics.
Thesis title: *Planetary migration in binary systems* – Supervisor: H. Beust.

Research Publications

Journal Articles

- 1 Bonnefoy, M., Milli, J., Menard, F., Delorme, P., Chomez, A., Bonavita, M., ... Pinte, C. (2021). Narrow belt of debris around the Sco-Cen star HD 141011. *A&A*, 655, A62.  doi:10.1051/0004-6361/202141848. arXiv: 2111.03335
- 2 Casassus, S., Christiaens, V., Cárcamo, M., Pérez, S., Weber, P., Ercolano, B., ... Reggiani, M. (2021). A dusty filament and turbulent CO spirals in HD 135344B - SAO 206462. *MNRAS*, 507(3), 3789–3809.  doi:10.1093/mnras/stab2359. arXiv: 2104.08379
- 3 **Faramaz, V.**, Marino, S., Booth, M., Matrà, L., Mamajek, E. E., Bryden, G., ... Zurlo, A. (2021). A Detailed Characterization of HR 8799's Debris Disk with ALMA in Band 7. *AJ*, 161(6), 271.  doi:10.3847/1538-3881/abf4e0. arXiv: 2104.02088
- 4 Pearce, T. D., Beust, H., **Faramaz, V.**, Booth, M., Krivov, A. V., Löhne, T., & Poblete, P. P. (2021). Fomalhaut b could be massive and sculpting the narrow, eccentric debris disc, if in mean-motion resonance with it. *MNRAS*, 503(4), 4767–4786.  doi:10.1093/mnras/stab760. arXiv: 2103.04977
- 5 Marino, S., Zurlo, A., **Faramaz, V.**, Milli, J., Henning, T., Kennedy, G. M., ... Hughes, A. M. (2020). Insights into the planetary dynamics of HD 206893 with ALMA. *MNRAS*, 498(1), 1319–1334.  doi:10.1093/mnras/staa2386. arXiv: 2010.12582
- 6 Gaudi, B. S., Seager, S., Mennesson, B., Kiessling, A., Warfield, K., Cahoy, K., ... Zellem, R. (2020). The Habitable Exoplanet Observatory (HabEx) Mission Concept Study Final Report. *arXiv e-prints*, arXiv:2001.06683. arXiv: 2001.06683
- 7 **Faramaz, V.**, Krist, J., Stapelfeldt, K. R., Bryden, G., Mamajek, E. E., Matrà, L., ... Wilner, D. J. (2019). From Scattered-light to Millimeter Emission: A Comprehensive View of the Gigayear-old System of HD 202628 and its Eccentric Debris Ring. *AJ*, 158(4), 162.  doi:10.3847/1538-3881/ab3ec1. arXiv: 1909.04162
- 8 Debes, J., Choquet, E., **Faramaz, V. C.**, Duchene, G., Hines, D., Stark, C., ... Wang, J. (2019). Cold Debris Disks as Strategic Targets for the 2020s. *Bulletin of the American Astronomical Society*, 51(3), 566. arXiv: 1906.02129
- 9 Marino, S., Yelverton, B., Booth, M., **Faramaz, V.**, Kennedy, G. M., Matrà, L., & Wyatt, M. C. (2019). A gap in HD 92945's broad planetesimal disc revealed by ALMA. *MNRAS*, 484(1), 1257–1269.  doi:10.1093/mnras/stz049. arXiv: 1901.01406
- 10 **Faramaz, V.**, Bryden, G., Stapelfeldt, K. R., Booth, M., Bayo, A., Beust, H., ... Wilner, D. J. (2018). Is there really a debris disc around ζ^2 Reticuli? *MNRAS*, 481(1), 44–48.  doi:10.1093/mnras/sty2304. arXiv: 1809.00645
- 11 Marino, S., Carpenter, J., Wyatt, M. C., Booth, M., Casassus, S., **Faramaz, V.**, ... Corder, S. (2018). A gap in the planetesimal disc around HD 107146 and asymmetric warm dust emission revealed by ALMA. *MNRAS*, 479(4), 5423–5439.  doi:10.1093/mnras/sty1790. arXiv: 1805.01915







- 12 Gaudi, B. S., Seager, S., Mennesson, B., Kiessling, A., Warfield, K., Kuan, G., ... Turner, N. (2018). The Habitable Exoplanet Observatory (HabEx) Mission Concept Study Interim Report. *arXiv e-prints*, arXiv:1809.09674. arXiv: 1809.09674
- 13 **Faramaz, V.**, Ertel, S., Booth, M., Cuadra, J., & Simmonds, C. (2017). Inner mean-motion resonances with eccentric planets: a possible origin for exozodiacal dust clouds. *MNRAS*, 465(2), 2352–2365. [doi:10.1093/mnras/stw2846](https://doi.org/10.1093/mnras/stw2846). arXiv: 1611.02196
- 14 Wiegert, J., **Faramaz, V.**, & Cruz-Saenz de Miera, F. (2016). 94 Ceti: a triple star with a planet and dust disc. *MNRAS*, 462(2), 1735–1748. [doi:10.1093/mnras/stw1682](https://doi.org/10.1093/mnras/stw1682). arXiv: 1607.03038
- 15 Booth, M., Jordán, A., Casassus, S., Hales, A. S., Dent, W. R. F., **Faramaz, V.**, ... Cuadra, J. (2016). Resolving the planetesimal belt of HR 8799 with ALMA. *MNRAS*, 460(1), L10–L14. [doi:10.1093/mnrasl/slw040](https://doi.org/10.1093/mnrasl/slw040). arXiv: 1603.04853
- 16 **Faramaz, V.**, Beust, H., Augereau, J. .-, Kalas, P., & Graham, J. R. (2015). Insights on the dynamical history of the Fomalhaut system. Investigating the Fom c hypothesis. *A&A*, 573, A87. [doi:10.1051/0004-6361/201424691](https://doi.org/10.1051/0004-6361/201424691). arXiv: 1409.6868
- 17 **Faramaz, V.**, Beust, H., Thébault, P., Augereau, J. .-, Bonsor, A., del Burgo, C., ... Wolf, S. (2014). Can eccentric debris disks be long-lived?. A first numerical investigation and application to ζ^2 Reticuli. *A&A*, 563, A72. [doi:10.1051/0004-6361/201322469](https://doi.org/10.1051/0004-6361/201322469). arXiv: 1312.5146
- 18 Beust, H., Augereau, J. .-, Bonsor, A., Graham, J. R., Kalas, P., Lebreton, J., ... Thébault, P. (2014). An independent determination of Fomalhaut b's orbit and the dynamical effects on the outer dust belt. *A&A*, 561, A43. [doi:10.1051/0004-6361/201322229](https://doi.org/10.1051/0004-6361/201322229). arXiv: 1311.5035
- 19 Eiroa, C., Marshall, J. P., Mora, A., Montesinos, B., Absil, O., Augereau, J. C., ... Walker, H. (2013). DUst around NEarby Stars. The survey observational results. *A&A*, 555, A11. [doi:10.1051/0004-6361/201321050](https://doi.org/10.1051/0004-6361/201321050). arXiv: 1305.0155
- 20 Lebreton, J., van Lieshout, R., Augereau, J. .-, Absil, O., Mennesson, B., Kama, M., ... Thébault, P. (2013). An interferometric study of the Fomalhaut inner debris disk. III. Detailed models of the exozodiacal disk and its origin. *A&A*, 555, A146. [doi:10.1051/0004-6361/201321415](https://doi.org/10.1051/0004-6361/201321415). arXiv: 1306.0956
- 21 Eiroa, C., Marshall, J. P., Mora, A., Montesinos, B., Absil, O., Augereau, J. .-, ... Walker, H. (2013). VizieR Online Data Catalog: DUNES survey observational results (Eiroa+, 2013). *VizieR Online Data Catalog*, J/A+A/555/A11.

Conference Proceedings





- 1 Turner, N., Bryden, G., **Faramaz, V.**, Fleming, B., Hendrix, A., Holsclaw, G., ... Terebey, S. (2022). PoZoLE: A Tiny Space Telescope to Snap our Solar System's Ultraviolet Selfie. In *American astronomical society meeting abstracts* (Vol. 54, p. 408.04).
- 2 Turner, N., Bryden, G., **Faramaz, V.**, & Seo, Y. (2020). Determining Zodiacal Dust's Sources Using Polarized Scattered Sunlight. In *Aas/division for planetary sciences meeting abstracts* (Vol. 52, p. 416.02).
- 3 **Faramaz, V.** (2019). The debris disk of HR 8799: do we need an extra planet? In *Aas/division for extreme solar systems abstracts* (Vol. 51, p. 501.06).
- 4 Stapelfeldt, K., Padgett, D., Duchene, G., Konopacky, Q., Fischer, W., Wang, J., ... **Faramaz, V.** (2019). The nature of a low-mass companion in an edge-on protoplanetary disk system. In *Aas/division for extreme solar systems abstracts* (Vol. 51, p. 322.03).
- 5 **Faramaz, V.**, Krist, J., Stapelfeldt, K., & Bryden, G. (2019). From scattered-light to millimeter emission: A global view of the Gyr-old system of HD 202628 and its eccentric debris ring. In *American astronomical society meeting abstracts #233* (Vol. 233, p. 163.22).

- 6 Stapelfeldt, K., Padgett, D., Fischer, W. J., Duchene, G., Ménard, F., & **Faramaz, V.** (2019). A Planetary Mass Companion in an Edge-on Circumstellar Disk System. In *American astronomical society meeting abstracts #233* (Vol. 233, p. 304.07).
- 7 **Faramaz, V.** (2016). A Possible Dynamical History for the Fomalhaut System. In J. H. Kastner, B. Stelzer, & S. A. Metchev (Eds.), *Young stars & planets near the sun* (Vol. 314, pp. 247–250).
[doi:10.1017/S1743921315006390](https://doi.org/10.1017/S1743921315006390). arXiv: 1510.03832
- 8 Booth, M., Jordan, A., Hales, A., Casassus, S., Dent, B., **Faramaz, V.**, & Matrà, L. (2015). Resolving the Planetesimal Belt of HR 8799 with ALMA. In *Aas/division for extreme solar systems abstracts* (Vol. 47, p. 203.03).
- 9 **Faramaz, V.**, Beust, H., Augereau, J. .-, Kalas, P., & Graham, J. R. (2014). Insights on complex exoplanetary systems and their dynamical history with Herschel. In J. Ballet, F. Martins, F. Bournaud, R. Monier, & C. Reylé (Eds.), *Sf2a-2014: Proceedings of the annual meeting of the french society of astronomy and astrophysics* (pp. 181–186).
- 10 **Faramaz, V.**, Beust, H., Augereau, J. .-, Kalas, P., & Graham, J. (2014). Insights on the dynamical history of the Fomalhaut system - Investigating the Fom c hypothesis. In A. .-. Lagrange & A. Boccaletti (Eds.), *Thirty years of beta pic and debris disks studies* (p. 44).
- 11 Beust, H., **Faramaz, V.**, & Augereau, J.-C. (2014). Orbital fitting of Fomalhaut b and subsequent interaction with the dust belt. In *Complex planetary systems, proceedings of the international astronomical union* (Vol. 310, pp. 78–81). [doi:10.1017/S1743921314007881](https://doi.org/10.1017/S1743921314007881)
- 12 **Faramaz, V.**, Beust, H., Augereau, J. .-, Bonsor, A., Thébault, P., Wu, Y., ... Mora, A. (2014). Planetary Systems Dynamics Eccentric patterns in debris disks & Planetary migration in binary systems. In M. Booth, B. C. Matthews, & J. R. Graham (Eds.), *Exploring the formation and evolution of planetary systems* (Vol. 299, pp. 212–213). [doi:10.1017/S1743921313008363](https://doi.org/10.1017/S1743921313008363)








Awards

- Jan. 2023  **NASA**, ROSES-Exoplanets Research Program "Planet-Disk Interactions, Exocomets, and Seeds for Life" (541,682 \$US).
- Dec. 2019  **NASA**, SOFIA General Investigator Grant (39,000 \$US).
- Aug. 2019  **NASA**, Group Achievement Award to Astrophysics Large Mission Study Team for the Habitable Exoplanet Observatory Mission Concept Study.
- Oct. 2017  **NASA-JPL, Caltech**, Exoplanet Science Initiative Fellowship.
- Sep. 2017  **CONICYT, Chile**, Concurso Iniciacion en Investigacion (Competitive early career faculty research grant, ~45,000 \$US).
- Oct. 2014  **FONDECYT, Chile**, Postdoctoral Fellowship (~120,000 \$US).







Teaching & Mentoring

- 2022 – 2023  **Honor Thesis**, Steward Observatory - University of Arizona.
Title: *Origin of the exozodi of Epsilon Eridani* – Student: C. Ingebrestsen
- 2021 – 2022  **NASA Space Grant for Undergraduates**, Steward Observatory - University of Arizona.
Title: *Origin of the exozodi of Epsilon Eridani* – Student: C. Ingebrestsen
- 2021  **Hands On Session Creation and Lead**, VirtuaK Sagan Summer Workshop – Circumstellar Disks and Young Planets.
Title: *Protoplanetary and Debris Disks Emission Modelling*
- 2020  **NASA JPL Undergraduate Summer Internship**, Jet Propulsion Laboratory-Caltech.
Title: *Outer Mean Motion Resonances with an Eccentric Planet* – Student: A. Hernandez





Teaching & Mentoring (continued)

- 2019  **NASA JPL Undergraduate Summer Internship**, Jet Propulsion Laboratory-Caltech.
Title: *Effect of mutual inclination in planet-debris disk interactions on Gyr timescales* – Student: M. Brady
- 2016  **Undergraduate Internship**, IA-PUC, Chile.
Title: *Inner Mean-Motion Resonances with an Eccentric Planet as a source of exocomets* – Student: C. Simmonds
- 2010 – 2011  **Programming with the Maple software**, Preparatory class for Grandes Écoles, Lycée Champollion, Grenoble, France.
-  **Mathematics teacher in Highschool**, Lycée Vaugelas, Chambéry, France.
- 2008 – 2011  **Mathematics, Physics & Chemistry (Highschool level)**, Private tutoring and Coaching at 2A Maths, Chambéry, France.
- 2007 – 2008  **Physics & Chemistry (Professional school)**, Association AGFP, Chambéry, France.
- 2002 – 2014  **Mathematics, Physics & Chemistry**, Private tutoring.

Outreach & DEI

- TBC 2023  **Pima County School Superintendent's Office – SheTech Event**
Science Activity (TBD) with middle-school students.
- TBC 2022  **Women in STEM Seminar – Invited Talk**. University of Arizona, Tucson, USA
-  **Neurodiversity Training featuring Lyric Holmans, Neurodivergent Coach**. University of Arizona, Tucson, USA
Organization and Facilitation.
-  **Tucson Amateur Astronomy Association**. Virtual.
Title: From Icy Comet Belts to Habitable Zones
- 2022  **Riverside Astronomical Society Talk**. Virtual.
Title: From Icy Comet Belts to Habitable Zones
- 2021 – 2022  **Shadowing by Students from the Pima County School Superintendent's Office**
- 2020  **Astronomy on Tap Pasadena**. Virtual.
<https://www.youtube.com/watch?v=9BKxSGsIrUI>
- 2015 – 2017  **Administration of a forum**. Facebook page "Astronomie et Sciences de l'Univers".
Questions-Answers between a broad audience and professionals.
- 2015  **Activity with middle-school students**. Atlanta, Georgia.
Build your spectroscope with a cereal box
-  **Oral presentation to high-school students**. Rumilly, France (in my old highschool).
How to become an astronomer in the French University system
- 2011 – 2014  **Public observing evenings and school visits to the observatory**. IPAG, Grenoble, France.
Popularisation of astronomy, eye & telescope observations, discovery of the Solar System & observations of the Sun.

Service

- 2021 –  **LBTI Observations**, Steward Observatory - University of Arizona.
- 2020 – 2021  **Extension of the Exoplanet Archive** IPAC-Caltech, Pasadena, USA.
-  **SOC/LOC – Sagan Summer Workshop 2021** IPAC-Caltech, Pasadena, USA.
-  **Organization of the Keck Call for Proposals** IPAC-Caltech, Pasadena, USA.

Service (continued)

- 2019 ■ **Organization of the Pasadena Astronomy Postdoc Retreat** Lake Arrowhead Conference Center, California
- 2015 – 2016 ■ **Organization of the IA-PUC & MAD Discs and Planets Seminar Series** Santiago, Chile.

Project Leadership & Observing Experience

Member of

- DUNES (Herschel Key Project)
- MAD (Millennium ALMA Discs) Nucleus

ALMA PI

- **C9** – Band 6 ACA Photometric survey of double-belts debris disks (Rank C)
- **C6** – Circumplanetary ring system surrounding a distant planet around a Solar-type star? (Rank A)
- **C5** – Signature of a Planet in the Gyr-old Eccentric Debris Ring of HD 202628 (Rank B)
- **C5** – Planet-disk interactions in the HR 8799 system (Rank A)
- **C5** – Apocenter glow in the Gyr-old debris disk of HR 1010 (Rank B)
- **C4** – Planet-disk interactions in the HR 8799 system (Rank C)
- **C4** – Signature of a Planet in the Gyr-old Eccentric Debris Ring of HD 202628 (Rank B)
- **C3** – Signature of a Planet in the Gyr-old Eccentric Debris Ring of HD 202628 (Rank C)

ALMA CoI

- **C7** – Resolving the planetesimal belts of three stirred debris discs – PI: J. Marshall (Rank C)
- **C7** – The Shape of Things to Come: Planetary Influence on the Inner Edge of the Closest Debris Disc – PI: M. Booth (Rank C)
- **C7** – Searching for Nitrogen bearing organic Formamide in HD 163296 – PI: L. Majumdar (Rank C)
- **C7** – Unveiling the planetary architecture around the Solar analogue HD107146 – PI: S. Marino (Rank B)
- **C6** – The reddened pale dot. Is a disk the responsible of the red colour of HD206893B? – PI: A. Zurlo (Rank C)
- **C5** – The reddened pale dot. Is a disk the responsible of the red colour of HD206893B? – PI: A. Zurlo (Rank B)
- **C4** – Double-ring debris disks at 10s of au: probing how far out planets can form? – PI: S. Marino (Rank B)

SOFIA PI

- **C8** – Where does the dust in the Habitable Zone of Beta Leo come from? (Priority 1; 39k\$ grant)

ESO CoI

- **P 104 with SPHERE** - HYADIS - The HYAdes Differential Imaging Survey. Part II – PI: M. Bonnefoy (Rank B)
- **P 104 with SPHERE** - SCALP: SCulping Architectures with Long-period Planets – PI: G. Chauvin (Rank B)
- **P 104 with MUSE** - Reconnaissance of two young emblematic systems at optical wavelengths – PI: M. Bonnefoy (Rank B)

Conferences, Colloquiums, Workshops, Seminars, etc...

- 2021 ■ **European Astronomical Society Annual Meeting – Invited Talk.** Virtual.
Title: Planetesimal belts: revealing the push and pull within planetary systems.
- **Sagan Summer Workshop – Circumstellar Disks and Young Planets.** Virtual.
Title: Hands-on sessions Introduction.

Conferences, Colloquiums, Workshops, Seminars, etc... (continued)

- 2020










 - 📌 **Exoplanet Group Meeting.** Cahill Center for Astronomy and Astrophysics, Pasadena, USA.
Title: The Debris Disk of HR 8799: Do we need an extra planet?
 - 📌 **UC Irvine Seminar.** Virtual.
Title: Exoplanetary Systems Dynamics with ALMA.
 - 📌 **IPAC Seminar.** IPAC, Pasadena, USA.
Title: Exoplanetary Systems Dynamics with ALMA.
 - 📌 **Astro Seminar.** Friedrich-Schiller Univeristy, Jena, Germany.
Title: The Debris Disk of HR 8799: Do we need an extra planet?
 - 📌 **Exoplanet Science Initiative Symposium – Invited Talk.** JPL-Caltech, Pasadena, USA.
Title: Hunting Planets with ALMA.
- 2019

 - 📌 **Extreme Solar Systems IV Conference – Contributed Talk.** Reykjavik, Iceland.
Title: The Debris Disk of HR 8799: Do we need an extra planet?
 - 📌 **Planetary Dynamics Conference – Invited Talk.** MPIA, Heidelberg, Germany.
Title: Exoplanetary Systems Dynamics with ALMA.
 - 📌 **New Horizons in Planetary Systems Conference – Poster.** Victoria, BC, Canada.
Title: From scattered-light to millimeter emission: A comprehensive view of the Gyr-old system of HD 202628 and its eccentric debris ring
 - 📌 **JPL ALMA Day – Invited Talk.** JPL-Caltech, Pasadena, USA.
Title: Probing Planets & Debris disks interactions with ALMA.
- 2018

 - 📌 **Thirty Minute Talk.** ESO, Santiago, Chile.
Title: Eccentric Planets & Debris Disks interactions – Theory & Observations.
 - 📌 **Weekly Seminar.** Observatorio Calan, Santiago, Chile.
Title: Eccentric Planets & Debris Disks interactions – Theory & Observations.
 - 📌 **Current and Future Trends in Debris Disk Science Workshop – Invited Talk.** Herzberg Astronomy & Astrophysics Research Centre, Victoria, Canada.
Title: Eccentric Planets & Debris Disks interactions – Theory & Observations.
 - 📌 **IPAG Weekly Seminar.** IPAG, Grenoble, France.
Title: Eccentric Planets & Debris Disks interactions – Theory & Observations.
 - 📌 **Jet Propulsion Laboratory Seminar.** JPL-Caltech, Pasadena, USA.
Title: Eccentric Planets & Debris Disks interactions – Theory & Observations.
 - 📌 **ExSoCal Meeting – Invited Talk.** Cahill Center for Astronomy and Astrophysics, Pasadena, USA.
Title: Eccentric Planets & Debris Disks interactions – Theory & Observations
 - 📌 **Origins Seminar.** Steward Observatory, Tucson, USA.
Title: Planet-debris disks interactions.
 - 📌 **Exoplanet Science Initiative Symposium – Invited Talk.** JPL-Caltech, Pasadena, USA.
Title: A recipe to bring icy bodies in the Habitable Zone – Interactions between eccentric planets & debris disks.
 - 📌 **Exoplanet Group Meeting.** Cahill Center for Astronomy and Astrophysics, Pasadena, USA.
Title: Planet-debris disks interactions.
 - 📌 **TAPIR Seminar.** Cahill Center for Astronomy and Astrophysics, Pasadena, USA.
Title: Mean-motion resonances with eccentric planets – When analytical arguments guide & complement numerical simulations.
- 2017

 - 📌 **Group Seminar.** Institute of Astronomy, Cambridge, UK.
Title: Eccentric planets & Debris disks Interactions – Mean-motion resonances, Exocomets, and Exozodis.

Conferences, Colloquiums, Workshops, Seminars, etc... (continued)

- 2016  **Resolving planet formation in the era of ALMA and extreme AO – Contributed Talk.** ESO, Santiago, Chile.
Title: Mean-motion resonances with eccentric planets as a source of exocomets and exozodiacal dust belts.
- 2015  **Hot Dust around Main Sequence Stars Workshop – Invited Review Talk.** Caltech, Pasadena, USA.
Title: From exocomets to exozodis.
-  **IAU Symposium 314 Young Stars & Planets Near the Sun – Contributed Talk.** Atlanta, USA.
Title: A Possible Dynamical History for the Fomalhaut System.
- 2014  **30 yrs of Beta Pic and Debris Discs Studies Conference – Contributed Talk.** Paris, France.
Title: Insights on the dynamical history of the Fomalhaut system – Investigating the Fomalhaut hypothesis.
- 2013  **FOST Team Seminar.** IPAG, Grenoble, France.
Title: The debris disc of ζ^2 Reticuli: prints of planetary companions on Gyr timescales.
- 2012  **PhD & Postdoc seminar.** IPAG, Grenoble, France.
Title: Dynamical modelling of the Herschel-resolved disc of ζ^2 Reticuli.
-  **1st ITA - MPIA/Heidelberg - IPAG Colloquium – Contributed Talk** IPAG, Grenoble, France.
Title: The eccentric Gyr-old debris disc of ζ^2 Reticuli.
-  **8th Conference on Formation and Evolution of Planetary Systems – Poster.** Munich, Germany.
Title: DUst around NEarby Stars: Dynamical modelling of the 2-3 Gyr-old debris disc of ζ^2 Reticuli – Searching for a planetary companion.
-  **Herschel’s view of Star and Planet Formation Symposium – Poster** Grenoble, France.
Title: DUst around NEarby Stars: Dynamical modelling of the 2-3 Gyr-old debris disc of ζ^2 Reticuli – Searching for a planetary companion.