

Important Milestones and Future Dates:

- **September 2022** JPL Science Strategy Meeting
- **October 2022** JPL Concept Maturity Review
- **December 2022** Peer Science Review
- **January 2023** AAS Special Session
- **March 2023** Community Workshop
- **October 2023:** Step 1 proposals due

Project Updates

- **PRIMA to receive full support from NASA's Goddard Spaceflight Center.** PRIMA is one of two proposals selected by a Goddard internal review for full support. PRIMA received the strongest endorsement of any far-infrared probe concept. PRIMA now has the full support of both Goddard and JPL going forward into the submission of Stage 1 proposals next year.
- **PRIMA welcomes new Co-Is!** Denis Burgarella (Laboratoire d'Astrophysique de Marseille, LAM), Laure Ciesla (LAM), Willem Jellema (Netherlands Institute for Space Research, SRON) and Jochem Baselmans (TU Delft).
- **PRIMA website launch.** We are excited to now have an official online home! You can find us at: <https://prima.ipac.caltech.edu>

Draft Announcement of Opportunity Released

The Draft Announcement of Opportunity for the 2023 Astrophysics Probe Explorer (APEX) solicitation is now available. Step 1 proposals will be due in October 2023, and must be a Far-Infrared imaging or spectroscopy mission or an X-Ray probe. Two or three probe concepts will be selected for a Phase A study. The final selection will be announced in late 2025. Probe launch will occur no later than January 2032, with a minimum mission duration of five years. Pointed observatories will have a minimum of 70% of observing time available to the community through a general observers program. The mission cost cap will be \$1,000M in FY2023 dollars. The full draft AO can be found at:

<https://explorers.larc.nasa.gov/2023APPROBE/>

PRIMA at AAS 241

Beyond JWST and ALMA: Far-infrared Spectroscopy of Cosmic Ecosystems (Monday January 9 10:00 -11:30 PST Ballroom 6C)

This special session focuses on how future far-infrared spectroscopy will build and expand upon the discoveries of JWST and ALMA. Because cosmic ecosystems emit most of their radiation at wavelengths between these two observatories, future far-infrared capabilities will be critical to address key astrophysical questions from the 2020 Decadal Survey such as how gas, metals, and dust flow into, through, and out of galaxies, the range of physical environments available for planet formation, and how supermassive black hole growth couples to the evolution of host galaxies.

Session Features:

- Invited science talks
- 30 minute panel discussion of future science prospects
- Poster session featuring science cases and mission concepts for a future far infrared probe (Mon Jan 9, 5:30-6:30 pm PST, Exhibit Hall 4AB)

Confirmed Speakers:

Dario Fadda (SOFIA/USRA)
Ted Bergin (University of Michigan Ann Arbor)
Allison Kirkpatrick (University of Kansas)
Chris Hayward (Flatiron Institute)
Illaria Pascucci (LPL/University of Arizona)

Infrared Science & Technology Interest Group (Tuesday, Jan 10, 9:00-11:00 am PST, Seattle Convention Center, Room 204)

Covers all IR astronomy (JWST, Roman and possible probes)

Meet the PRIMA Team!



PI:

Jason Glenn
(GSFC)



**Acting Deputy PI/
Project Scientist:**

Matt Bradford
(JPL)



Science Lead:

Alexandra Pope
(UMass Amherst)

Co-Is



Lee Armus
(IPAC)



Jochem Baselmans
(TU Delft)



Cara Battersby
(UConn)



Alberto Bolatto
(U. Maryland)



Denis Burgarella
(LAM)



Laure Ciesla
(LAM)



Brandon Hensley
(Princeton U.)



Willem Jellema
(SRON)



Tiffany Kataria
(JPL)



Margaret Meixner
(USRA)



Elisabeth Mills
(U. Kansas)



Arielle Moullet
(USRA)



Klaus Pontoppidan
(STScI)



JD Smith
(U. Toledo)



Rachel Sommerville
(Rutgers/CCA)



Johannes Staguhn
(Johns Hopkins)

JPL Team Leads



Capture Lead:
Jennifer Rocca



Deputy CL:
Liz Luthman

Stay Involved!

PRIMA will be hosting a two-day virtual community science workshop in Spring 2023 during the week of March 20-24.

If you are not on our mailing list, please sign up on our website!



**Artist
Spotlight**

Sofie Shen is a science illustrator at JPL. You can find more of her work at <http://sofieshen.com>



**Contact
Us!**

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