Opportunity Title: Far-Infrared/Submillimeter Astrophysics
Opportunity Reference Code: 0060-NPP-MAR26-JPL-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0060-NPP-MAR26-JPL-Astrophys

How to Apply All applications must be submitted in Zintellect

Please visit the NASA Postdoctoral Program website for application instructions and requirements: How to Apply | NASA Postdoctoral Program (orau.org)

A complete application to the NASA Postdoctoral Program includes:

1. Research proposal
2. Three letters of recommendation
3. Official doctoral transcript documents

Application Deadline 3/1/2026 6:00:59 PM Eastern Time Zone

Description **About the NASA Postdoctoral Program**

The NASA Postdoctoral Program (NPP) offers unique research opportunities to highly-talented scientists to engage in ongoing NASA research projects at a NASA Center, NASA Headquarters, or at a NASA-affiliated research institute. These one- to three-year fellowships are competitive and are designed to advance NASA's missions in space science, Earth science, aeronautics, space operations, exploration systems, and astrobiology.

Description:

Observations at far-infrared/submillimeter wavelengths play a critical role in our understanding of star formation and the life cycle of gas in the interstellar medium, and continued development of detectors and instruments is required to fully exploit this part of the spectrum. A postdoctoral fellow is sought to work with C. Darren Dowell and collaborators to work on the development of far-IR/submm instrumentation and on related astrophysics. Immediate opportunities include work on SOFIA instrumentation (HAWC+) and polarimetry of the interstellar medium, Kinetic Inductance Detectors for far-IR/submm wavelengths, and the Cerro Chajnator Atacama Telescope.

References:

A. Kovács, S. C. Chapman, C. D. Dowell, A. W. Blain, & T. G. Phillips, Astrophysical Journal, 650, 592 (2006) – "SHARC-2 350 Micron Observations of Distant Submillimeter Selected Galaxies"
P. K. Day, H. G. LeDuc, R. A. M. Lee, C. D. Dowell, & J. Zmuidzinas, in Proc. SPIE, 6275, #57 (2006) – "Distributed antenna-coupled transition edge sensors"

Location:

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Jet Propulsion Laboratory
Pasadena, California

Field of Science: Astrophysics

Advisors:
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Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States. A complete list of Designated Countries can be found at: https://www.nasa.gov/oiir/export-control.

Eligibility is currently open to:

- U.S. Citizens;
- U.S. Lawful Permanent Residents (LPR);
- Foreign Nationals eligible for an Exchange Visitor J-1 visa status; and,
- Applicants for LPR, asylees, or refugees in the U.S. at the time of application with 1) a valid EAD card and 2) I-485 or I-589 forms in pending status

Questions about this opportunity? Please email npp@orau.org

Point of Contact Mikeala

Eligibility Requirements

- **Degree:** Doctoral Degree.