Opportunity Title: Galactic and extragalactic ISM and Star Formation
Opportunity Reference Code: 0116-NPP-MAR26-JPL-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0116-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:

The area of research of our group is the study of the properties of the interstellar medium and how they relate to the formation and evolution of molecular clouds, the formation of stars, and the feedback effects that newly formed stars have on their parent molecular clouds. These processes together drive the evolution of galaxies. We use far-infrared and sub-millimeter spectral line emission, such as from ions [CII] and [NII], atoms such as [CI], and molecules including CO and its isotopologues. The technology to observe such spectral lines has been recently dramatically expanded by missions such as Herschel ad SOFIA, and there is an ongoing technological effort to develop the next generation of instruments that will help us to understand even further how the Milky Way and other galaxies evolve. We are seeking postdoctoral fellows who will use data from Herschel and SOFIA to study the properties of the interstellar medium in our Galaxy and nearby galaxies, with the focus in relating what can be learned in the local universe to high redshift galaxies. We thus are expecting to use the Milky Way and low-metallicity nearby galaxies such as the Magellanic Clouds, as "templates" for understanding galaxies throughout the universe.

Location:

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Jet Propulsion Laboratory
Pasadena, California

Field of Science: Astrophysics

Advisors:
Jorge Pineda
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818-354-3347

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.