

Opportunity Title: Experimental Investigations in Cosmology and Astrophysics

Opportunity Reference Code: 0275-NPP-NOV26-JPL-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0275-NPP-NOV26-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 11/1/2026 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:

Prof. Bock's research involves experimental investigations in cosmology and astrophysics. Current research opportunities include measurements of CMB polarization with BICEP Array, which is carrying out a field-leading search for a characteristic B-mode polarization signal from inflation through observations from the South Pole. Detectors are the enabling capability for CMB measurements, and applicants may participate in the development of focal plane arrays for the CMB Stage 4 project as well as the development of new detector technologies at the JPL Micro Devices Laboratory. The SPHEREx satellite offers opportunities in the analysis of flight data focused on constraining inflationary non-Gaussianity and assessments of the extragalactic background light through sensitive measurements of background fluctuations. SPHEREx data also may be used for investigations over the full sky in near-infrared spectroscopy. Applicants can participate in the TIME line mapping instrument that is conducting mm-wave observations to measure the clustering amplitude of the CO and C+ emission lines from high redshifts.

Field of Science:

- Astrophysics

Advisors:



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Applications from 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.