

**Opportunity Title:** Approaches and techniques for measurements in radio cosmology

**Opportunity Reference Code:** 0155-NPP-NOV23-JPL-Astrophys

**Organization** National Aeronautics and Space Administration (NASA)

**Reference Code** 0155-NPP-NOV23-JPL-Astrophys

**Application Deadline** 11/1/2023 6:00:59 PM Eastern Time Zone

**Description** The Jet Propulsion Laboratory is seeking postdoctoral applications from those with an interest in cosmological measurements with the next generation of instrumentation in the range of radio through mm-wave. Applicants are particularly sought in the areas of 21-cm cosmology, the cosmic microwave background frequency spectrum, and intensity mapping of large-scale structure, with a focus on developing techniques and methods for overcoming the obstacles that have so far limited such measurements. These obstacles include, for example, foreground removal issues, calibration techniques, and other instrument-related systematic errors.

The successful candidate will be expected to identify and carry out an innovative research program in one or more of these science areas.

**Location:**

Jet Propulsion Laboratory  
Pasadena, California

**Field of Science:** Astrophysics

**Advisors:**

Michael D. Seiffert  
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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

**Eligibility Requirements** • **Degree:** Doctoral Degree.



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