

Opportunity Title: Phenomenological cosmology in the Planck era

Opportunity Reference Code: 0071-NPP-NOV26-JPL-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0071-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:

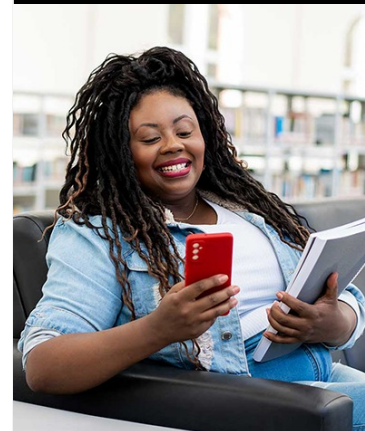
Cosmology has flourished in the decades, emerging as a data-driven science whose phenomenological modeling has reached a form of convergence. This success entails new questions: the nature of dark energy and dark matter, the origin and evolution of the large-scale structures, and the details of the ionization history of the Universe.

The candidate will aim at addressing these salient issues with novel theoretical insights, observational probes, data analysis methods, or measurements. I expect the NPP post-doctoral scholar to conduct independent research relevant to current and future potential NASA mission such as SPHEREx, the Nancy Grace Roman Space Telescope, and Euclid, and to articulate their scientific synergies with on-going ground based efforts such as the Vera C. Rubin Observatory, the Simons Observatory, or CMB-S4.

Location:

Jet Propulsion Laboratory
Pasadena, California

Field of Science: Astrophysics



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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/oiiir/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.