Opportunity Title: Next-Generation Precision Cosmology
Opportunity Reference Code: 0180-NPP-MAR26-JPL-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0180-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 4/2/2026 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 next generation of cosmological surveys including the WFIRST and Euclid space telescopes, the Large Synoptic Survey Telescope, and the Dark Energy Spectroscopic Instrument will provide unprecedented constraints on the nature of dark energy and the evolution of the universe. Important problems remain to be solved before we will be able to take full advantage of the power of these future surveys, however; these range from improvements in theoretical modeling of the primary observables through parameter inference and measurement to accurate calibration of the instruments themselves. A successful applicant to this position will work with Dr. Eric Huff and other members of the large and active cosmology group at JPL on developing new methods for getting accurate cosmology out of future surveys, and on obtaining the best possible constraints on cosmology from existing data.

References:

Shapiro, C., Smith, R., Huff, E., et al. 2018, arXiv:1801.06599 Sheldon, E.S., & Huff, E. M. 2017, ApJ, 841, 24 Suchyta, E., Huff, E.~M., Aleksic, J., et al. 2016, MNRAS, 457, 786 Troxel, M.A., MacCrann, N., Zuntz, J., et al. 2017, arXiv:1708.01538

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Location:
Jet Propulsion Laboratory
Pasadena, California

Field of Science: Astrophysics

Advisors:
Eric M. Huff
eric.m.huff@jpl.nasa.gov
626-460-9834

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.