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Opportunity Title: Heliophysics: Structure, Dynamics and Heating of the Solar Corona and Interface Region
Opportunity Reference Code: 0149-NPP-NOV26-GSFC-HelioSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0149-NPP-NOV26-GSFC-HelioSci

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

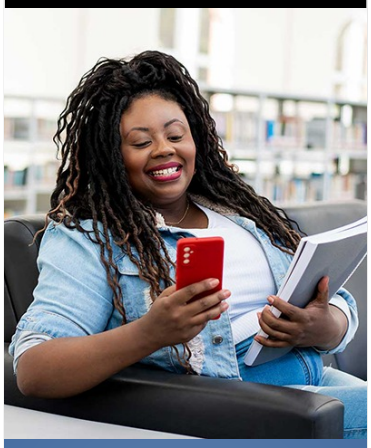
Description **About the NASA Postdoctoral Program**

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:

The Solar Physics Laboratory is active in all phases of obtaining and analyzing solar observations. Opportunities exist for participating in research on new techniques of measurement, development of new instrumentation, analysis and interpretation of data, and modeling of solar structure and dynamics.

A diverse program of solar coronal and interface region research is being carried out in conjunction with space based instruments including the Interface Region Imaging Spectrograph (IRIS) small explorer and Extreme Ultraviolet Normal Incidence Spectrograph (EUNIS) sounding rocket instrument. The data comprise UV and EUV spectra of selected solar regions covering a wide temperature range with high spectral and temporal resolution. Research in progress includes the detection and analysis of transient phenomena and application of spectroscopic diagnostic techniques for the determination of physical conditions. Analyses of these data are complemented by theoretical studies and computer modeling of energy transport, heating mechanisms, and plasma instabilities important in transient phenomena and coronal heating. Extensive use is made of coordinated observations from orbital instruments such as on the Solar Dynamics Observatory (SDO) and the Hinode spacecraft. The EUNIS instrument undergoes absolute radiometric calibration for each suborbital flight and can therefore be used to determine the absolute response of

NPP NASA Postdoctoral Program
ORAU Pathfinder

Whether you are just starting your career or already at a senior level, ORAU offers internships, fellowships, research opportunities, and contract positions that can provide you with invaluable experience. Download the ORAU Pathfinder mobile app and find the right opportunity to propel you along your career path!
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orbital instruments.

Location:
Goddard Space Flight Center
Greenbelt, Maryland

Field of Science: Heliophysics Science

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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

Questions about this opportunity? Please email npp@orau.org

Point of Contact Mikeala

Eligibility Requirements
- **Degree:** Doctoral Degree.