Opportunity Title: Heliophysics Science: Solar Theory and Computational Studies
Opportunity Reference Code: 0113-NPP-MAR26-GSFC-HelioSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0113-NPP-MAR26-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 3/1/2026 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:

Our research is focused on understanding the solar origins of space weather and other energetic solar phenomena, through a combination of data interpretation, theory, and numerical simulations. A key goal of our studies is to decipher how magnetic reconnection operates in the Sun's atmosphere, and its essential role in nearly all manifestations of solar activity including the formation and structure of the solar wind. We work closely with colleagues specializing in data collection and analysis to ensure the best possible closure between the latest observations and our theoretical models. Ongoing investigations in this wide-ranging program include the formation and evolution of filament channels; the initiation and propagation of coronal mass ejections; the role of reconnection in chromospheric and coronal jets; coronal heating by nanoflares; the condensation and dynamics of prominence plasmas; flare reconnection; the dynamic interaction between closed and open magnetic flux on the Sun; coronal interchange reconnection and heliospheric current sheet dynamics; and the physics of flux cancellation.

Location:
Goddard Space Flight Center
Greenbelt, Maryland

Field of Science: Heliophysics Science

Advisors:

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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.