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Opportunity Title: Impacts of Climate Extreme Events on Health
Opportunity Reference Code: 0296-NPP-MAR26-GSFC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0296-NPP-MAR26-GSFC-EarthSci

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:

This opportunity is closed to applicants who are Senior Fellows (5-years or more past PhD).

The NASA Global Modeling and Assimilation Office (GMAO) is seeking a postdoctoral fellow to investigate the impacts of climate extreme events on human health. This research will utilize health data collected from hospitals across the United States, spanning a broad age range from newborns to adults. The study will also incorporate various NASA datasets, including reanalysis products, satellite observations, and subseasonal-to-seasonal (S2S) forecasts.

Key research objectives include:

1. Identifying extreme weather events strongly associated with health risks.

2. Examining the compound effects of different extreme events.

3. Investigating spatial and seasonal variability in identified climate-health relationships.

4. Exploring large-scale climatic drivers of these extreme events.

5. Evaluating the prediction skills for these events.

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This opportunity will entail working in the NASA high performance computing environment.

Field of Science: Earth Science

Advisors:

Michael Bosilovich
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(301) 614-6147

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

Qualifications

Potential candidates should have a Ph.D. in climate science or a related field, including other desirable qualifications:

Strong data analysis skills, including experience working with large climate datasets.

Programming experience, particularly in Python, and proficiency with Linux platforms.

A proven record of publications, preferably on the climate-public health nexus.

Experience with Artificial Intelligence (AI) and Machine Learning (ML) techniques.

Point of Contact Mikeala

Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Doctoral Degree.