

Opportunity Title: Astrophysics: Galactic Outflows and the Circumgalactic

Medium

Opportunity Reference Code: 0223-NPP-NOV26-GSFC-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0223-NPP-NOV26-GSFC-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.

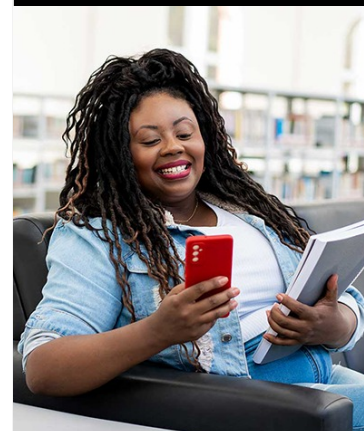
Description:

The balance of infall and outflow of circumgalactic gas determines the long-term evolution of a galaxy, so understanding how gas gets into and out of galaxies is essential to understanding our cosmic origins. This research program includes multiwavelength observational studies of starburst or AGN outflows, absorption and emission studies of the circumgalactic medium around the Milky Way and other galaxies, and studies of circumgalactic dust using ultraviolet and infrared data. The use of X-rays to characterize hot outflows and the hot circumgalactic medium is especially important, and this program may encompass analysis of data from the JAXA/NASA X-ray Imaging and Spectroscopy Mission (XRISM) and preparation for the planned ESA/NASA Athena X-IFU and proposed Arcus X-ray spectrometers. Theoretical inquiry and development of new data analysis techniques focused on circumgalactic gas and dust or galactic outflows are also encouraged.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

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/oijr/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.