

Opportunity Title: Astrophysics: Active Galactic Nuclei and Starburst Galaxies

Opportunity Reference Code: 0001-NPP-NOV26-GSFC-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0001-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:

An ongoing program consists of multiwavelength (x-ray, IR, optical and radio) spectral and imaging studies of active galaxies (AGN), starburst galaxies, starburst-AGN composite galaxies, and ultraluminous x-ray sources. AGN research focuses on studies of the iron K line and hard x-ray continuum with Suzaku, RXTE, Chandra, XMM and NuSTAR to discern properties of the accretion flow. AGN survey research focuses on connecting X-ray (Chandra, NuSTAR and XMM-Newton) properties with multiwavelength properties to study the connection between the black hole and its host galaxy. Research on starburst galaxies and composite galaxies centers on what IR (Spitzer and Herschel) and X-ray observations reveal about the starburst-AGN connection, properties of starburst outflows and AGN jets, and the formation and evolution of massive black holes and nearby galaxies.

We also looking for students to assist with simulations of local and distant galaxies to help assess and formulate future X-ray missions.

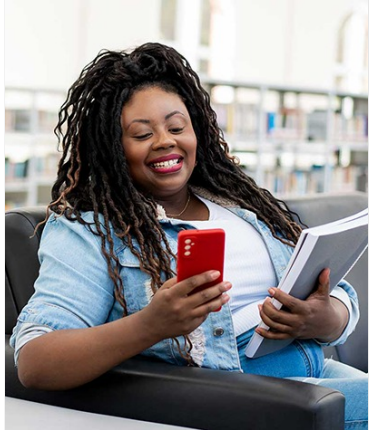
References:

Sicilian, D., Civano, F., et al. 2022, ApJ, 936, 39

Tanner, R. and Weaver, K. A., 2022, AJ, 163, 3

Zhao, X., Civano, F., et al. 2021, MNRAS, 508

Fornasini, F. M., Civano, F., and Suh, H. 2020, MNRAS, 495



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Civano, F.,? et al. 2016, ApJ, 819, 62
LaMassa, et al: ApJ 787, 61, 2014
LaMassa, et al: ApJ, 765, 33, 2013
Weaver and Melendez et al: ApJ 716, 1151, 2010
Brenneman and Weaver, et al: ApJ, 698, 528, 2009
Mattson, Weaver, and Reynolds: ApJ, 664, 101, 2007
Ptak, et al: ApJS, 166, 154, 2006
Ptak, et al: ApJ, 592, 782, 2003
Weaver, et al: ApJ 576, L19, 2002

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science:Astrophysics

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

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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.