Opportunity Title: Exoplanets - NASA High-Resolution Speckle Imaging Program
Opportunity Reference Code: 0124-NPP-MAR26-ARC-Astrophys

Organization	National Aeronautics and Space Administration (NASA)
Reference Code	0124-NPP-MAR26-ARC-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

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Application Deadline	4/2/2026 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 NASA Fellowship Postdoctoral program (NPP) is seeking a Postdoc / Research Scientist for the NASA Ames exoplanet speckle imaging group. This group operates multiple high-resolution imaging instruments on some of the most advanced optical telescopes in the world. The dual-channel optical speckle imagers are: NESSI, Alopeke, and Zorro, and are installed at the WIYN 3.5-m, Gemini-N & Gemini-S 8-m telescopes. The instruments share common operating and data reduction software used to make observations, process and reduce the data, and submit it to the NASA Exoplanet data archive.

The successful candidate would become integrated into the NASA high-resolution speckle image group and become familiar with the speckle instruments, data reduction, and analysis techniques. The job would perform software analysis to determine instrumental/observational metrics such as S/N, contrast limits, etc., revise and maintain documentation on the preparation of speckle observations and the reduction of data, and support the project in the design and implementation of outreach, including a webpage, to increase awareness about the use of speckle data. The candidate would be expected to help the NASA exoplanet community make use of these assets, participate in the observing programs at various telescopes, anticipate/lead in the writing and submission of scientific papers related to this position, and develop your own (25%) research
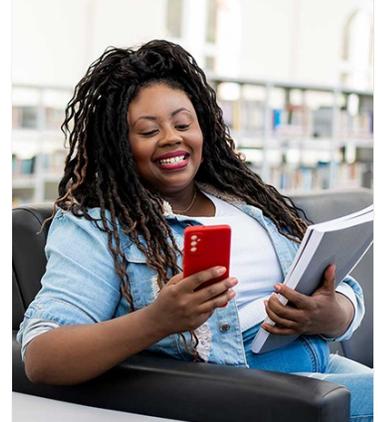
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program.

The NPP Fellowship position would be located at NASA's Ames Research Center (ARC), Moffett Field, CA, and is initially for two years with the possibility of extension for a third.

Field of Science: Astrophysics

Advisors:

Steve Howell
steve.b.howell@nasa.gov
(650) 604-4238

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

Qualifications Ph.D degree in astronomy, physics, or a related field.

At least one year of experience at a scientific or research organization.

At least one year of experience in observational astronomy.

Experience in scientific computation with knowledge in one or more of C, Tcl, GTK, IDL, Python and/or other common scientific computational software platforms.

Experience with high-resolution imaging, and/or binary stars and/or exoplanet research Outstanding oral and written communication skills.

A record of independent research and contributions to publications.

Ability to work well with others on a team.

Point of Contact Mikeala

Eligibility
- **Degree:** Doctoral Degree.

Requirements