zintellect
climb higher

Opportunity Title: High Contrast Direct Observations of Exoplanetary Systems
Opportunity Reference Code: 0257-NPP-MAR26-JPL-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0257-NPP-MAR26-JPL-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 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:

JPL is leading the development of the Roman Space Telescope coronagraph instrument, and is more generally involved in laboratory and telescope instrument demonstrations paving the way to a future Habitable Worlds Observatory mission.

We seek here qualified applicants to either

- Help plan and execute the Roman Coronagraph technology demonstration and possible follow-on science investigations.
- Conduct lab demonstrations of high-contrast starlight suppression using JPL's High Contrast Imaging testbed, in preparation for a future Habitable Worlds Observatory mission.
- Conduct observations of exoplanetary systems using existing /future high contrast instruments that we have access to via collaborations, e.g. at the Keck Observatory, Very Large Telescope Interferometer, Large Binocular Telescope interferometer or CHARA interferometer.
- Reduce and physically interpret such data.

Candidates with interest in direct imaging and spectroscopy of exoplanetary systems, including both exoplanets and extended dust structures, using high contrast starlight suppression techniques (coronagraphy, interferometry, and /or starshade) are encouraged to apply.

zintellect
climb higher

Opportunity Title: High Contrast Direct Observations of Exoplanetary Systems
Opportunity Reference Code: 0257-NPP-MAR26-JPL-Astrophys

Field of Science: Astrophysics

Advisors:

Bertrand Mennesson
Bertrand.Mennesson@jpl.nasa.gov
(818) 354-0494

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.