

Opportunity Title: High Contrast Direct Observations of Exoplanetary Systems

Opportunity Reference Code: 0257-NPP-NOV23-JPL-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0257-NPP-NOV23-JPL-Astrophys

How to Apply All applications must be submitted in [Zintellect](#)

Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description 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.

Field of Science: Astrophysics

Advisors:

Bertrand Mennesson

Bertrand.Mennesson@jpl.nasa.gov

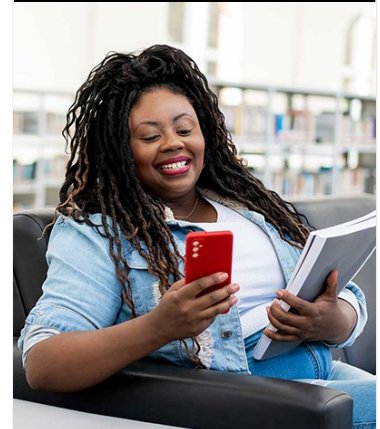
(818) 354-0494

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



Whether you are just starting your career or already at a senior level, ORAU offers internships, fellowships, research opportunities, and contract positions that can provide you with invaluable experience. Download the ORAU Pathfinder mobile app and find the right opportunity to propel you along your career path!

Visit ORAU Pathfinder [↗](#)



Opportunity Title: High Contrast Direct Observations of Exoplanetary Systems

Opportunity Reference Code: 0257-NPP-NOV23-JPL-Astrophys

valid EAD card and 2) I-485 or I-589 forms in pending status

Eligibility Requirements • **Degree:** Doctoral Degree.