Opportunity Title: Precision Radial Velocity
Opportunity Reference Code: 0144-NPP-NOV23-JPL-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0144-NPP-NOV23-JPL-Astrophys

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

Description Precision Radial velocity (PRV) measurements can discover and characterize the masses and orbits of exoplanets. With a precision <0.5 m/s it is possible to detect Earth-mass systems in the Habitable Zones of nearby cool M stars. We are developing a diffraction-limited, single-mode-fiber fed PRV spectrometer for the Palomar 5 m telescope. A laser frequency comb will provide a highly stable wavelength standard. An applicant with experience with PRV measurements, instrumentation, and laser frequency combs would be a valuable member of the team.

Location:
Jet Propulsion Laboratory
Pasadena, California

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/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

Eligibility Requirements

- **Degree:** Doctoral Degree.