zintellect
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Opportunity Title: Theoretical modeling of exoplanetary atmospheres
Opportunity Reference Code: 0210-NPP-MAR26-JPL-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0210-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:

Research includes the development of 1D, 2D, and 3D models to understand the radiative, advective and chemical processes in exoplanet and brown dwarf atmospheres. We have several ongoing research projects in atmospheric modeling related to the interpretation of ground- and space-based data from Palomar, Spitzer and HST and eventually JWST. These projects are also precursor studies to future telescopes planned for the 2020s including JWST, the Roman Space Telescope and ARIEL/CASE.

Research benefits from collaborations at JPL, Caltech, and around the world, and in particular the interactive and interdisciplinary environment enabled by JPL's Exoplanetary Science Initiative (ESI). ESI seeks to strengthen connections between astrophysics, planetary science and earth science in study of exoplanets, towards ultimately addressing the question of habitability in the universe. More information on the ESI can be found at https://exoplanetary.jpl.nasa.gov/ .

Location:
Jet Propulsion Laboratory
Pasadena, California

Field of Science: Astrophysics

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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 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.