

Opportunity Title: Chemistry of Planetary and Exoplanetary Atmospheres

Opportunity Reference Code: 0020-NPP-MAR22-JPL-PlanetSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0020-NPP-MAR22-JPL-PlanetSci

Application Deadline 3/1/2022 6:00:00 PM Eastern Time Zone

Description The postdoctoral researcher will develop novel instrument techniques based on IR heterodyne remote sensing, nano-photonics, and photonic integrated circuits. Our objective is to enable new measurement capabilities for studying planetary chemistry, habitability, astrobiology, and climate evolution.

In addition, researchers in exoplanetary science are strongly encouraged to apply as well. We are developing a coupled ocean-rock-atmosphere chemistry model for extrasolar planets, and welcome applicants to conduct research in habitability evolution and biosignatures for exoplanets.

Location:

Jet Propulsion Laboratory
Pasadena, California

Field of Science: Planetary Science

Advisors:

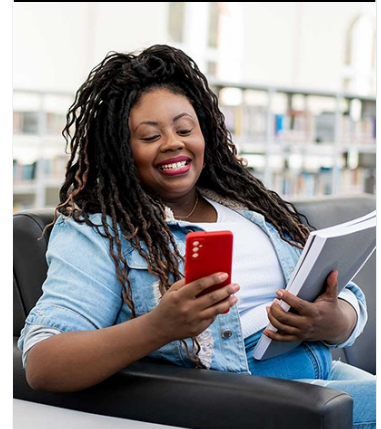
Pin Chen
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818-393-0412

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;
- Foreign nationals who are in the U.S. at the time of application and on a valid J1 visa; and,
- Foreign nationals, asylees or refugees in the U.S. at the time of application with a valid EAD card and pending I-485 or I-589 forms.

These temporary eligibility limitations have been put in place due to inaccessible U.S. consulates and travel restrictions resulting from the COVID-19 pandemic. Foreign nationals have made many substantive contributions to NASA, as well as to the greater scientific community throughout the life of the NPP. Therefore, we look forward to the time when the program will be open, once again, to all qualified scientists and engineers.

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



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