zintellect
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Opportunity Title: Sources and Detectors at Submillimeter Wavelengths
Opportunity Reference Code: 0069-NPP-MAR26-JPL-TechDev

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0069-NPP-MAR26-JPL-TechDev

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 3/1/2026 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:

??We develop terahertz instruments working in the 0.1 to 5 THz frequency band for astrophysics, planetary science, and Earth science applications. We provide end-to-end solutions: from device design and fabrication to active and passive circuits, components, subsystems assembly, and instrument integration and test.

We design, fabricate, and test frequency multiplied sources, highly sensitive room temperature and cryogenically cooled detectors, various passive and active components, and antennas at submillimeter-wave and terahertz frequencies. We are looking for highly motivated candidates with experience in the design, assembly, and test of terahertz devices and components. Experience with simulations tools such as HFSS, CST, ADS, and others are needed. Hands on experience in the lab with measurement equipment such as Vector Network Analyzer (VNA), power meters, antenna measurement setup, and others are must. Clean room experience is also desirable.
Location:
Jet Propulsion Laboratory
Pasadena, California

Field of Science: Technology Development

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Advisors:
Goutam Chattopadhyay
Goutam.Chattopadhyay@jpl.nasa.gov
818-393-7779

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.