

Opportunity Title: Numerical Simulations for Cosmology

Opportunity Reference Code: 0194-NPP-NOV26-JPL-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0194-NPP-NOV26-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 11/1/2026 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:

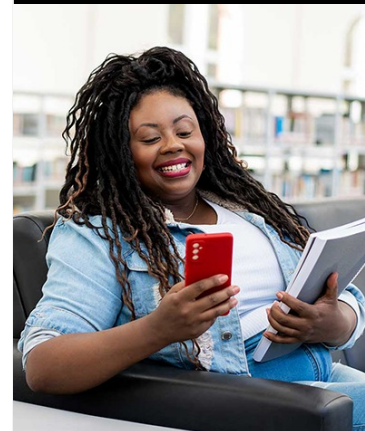
Numerical simulations have become increasingly sophisticated over the last several decades and their role in cosmological surveys has correspondingly experienced enormous growth. In addition to their essential role in scientific research, numerical simulations are now integral to mission forecasting and survey formulation, and to the eventual analysis of observational data. We have several opportunities available for projects related to the development and exploitation of cosmological numerical simulations and mock galaxy catalogs for weak lensing and galaxy clustering. These efforts will feed directly into the preparation and analysis of ambitious cosmological surveys planned for the 2020's, including NASA's Wide Field Infrared Survey Telescope (WFIRST), the ESA/NASA Euclid mission, and the ground-based Large Synoptic Survey Telescope.

Location:

Jet Propulsion Laboratory
Pasadena, California

Field of Science: Astrophysics

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.