Opportunity Title: Habitable Worlds
Opportunity Reference Code: 0005-NPP-NOV22-ABProg-Astrobio

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0005-NPP-NOV22-ABProg-Astrobio

Application Deadline 11/1/2022 6:00:00 PM Eastern Time Zone

Description The goal of the Habitable Worlds program is to use knowledge of the history of the Earth and the life upon it as a guide for determining the processes and conditions that create and maintain habitable environments (including transient environments) and to search for ancient and contemporary habitable environments and explore the possibility of extant life beyond the Earth.

NASA's Habitable Worlds Program includes elements of the Astrobiology Program, the Mars Exploration Program, the Outer Planets Program, the Planetary Protection Research Program (all in the Planetary Science Division) and Living With a Star in Heliophysics. A common goal of these programs is to identify the characteristics and the distribution of potentially habitable environments in the Solar System and beyond. This research is conducted in the context of NASA's ongoing exploration of our stellar neighborhood and the identification of biosignatures for in situ and remote sensing applications. For further information on the science scope of Astrobiology, please refer to the Astrobiology roadmap, which can be found on the Astrobiology web page at https://astrobiology.nasa.gov/about/astrobiology-strategy/. Information on the habitability-related goals of the Mars Exploration Program can be found in the "Mars Science Goals, Objectives, Investigations and Priorities: 2020" document, available on the Mars Exploration Program Analysis Group web page at https://mepag.jpl.nasa.gov/reports.cfm. For the Outer Planets Program, refer to the document "Scientific Goals for Exploration of the Outer Solar System," most recently updated in 2019 and found on the Outer Planets Assessment Group web site (http://www.lpi.usra.edu/opag).

Applicants who apply for this research opportunity and are subsequently selected for an NPP award are expected to attend the Astrobiology Graduate Conference (AbGradCon) and/or the Astrobiology Science Conference (AbSciCon) using the travel funds that are conferred as part of the NPP award.

Field of Science: Astrobiology

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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.