

Opportunity Title: ICAR - Alien Earths: Which Nearby Planetary Systems Are Likely to Host Habitable Planets and Life?

Opportunity Reference Code: 0011-NPP-NOV23-ABProg-Astrobio

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0011-NPP-NOV23-ABProg-Astrobio

How to Apply All applications must be submitted in [Zintellect](#)

Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description Description:

With the discovery that habitable planets may be very common, one of the most compelling and timely questions to answer is: Which Nearby Planetary Systems are Likely to Host Habitable Planets and Life? Advancing our knowledge on this question will have far-reaching implications for astrobiology: It will directly address topics central to the Astrobiology Strategy, contribute to ICAR/NExSS's primary goals, will inform the use of current and upcoming NASA missions, and will guide designs of missions concepts.

We will transform our understanding of the habitability of nearby planetary systems by combining: (a) improved statistical understanding of planet formation, (b) population level knowledge on exoplanets, (c) data on specific nearby systems, with (d) models for atmospheric evolution and biosignature surveys, incorporating population-level information.

For more information, see <https://alienearths.space/>

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

Advisors:

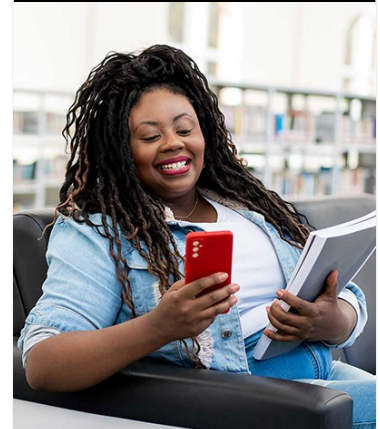
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Eligibility is currently open to:

- 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 • **Degree:** Doctoral Degree.

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Requirements