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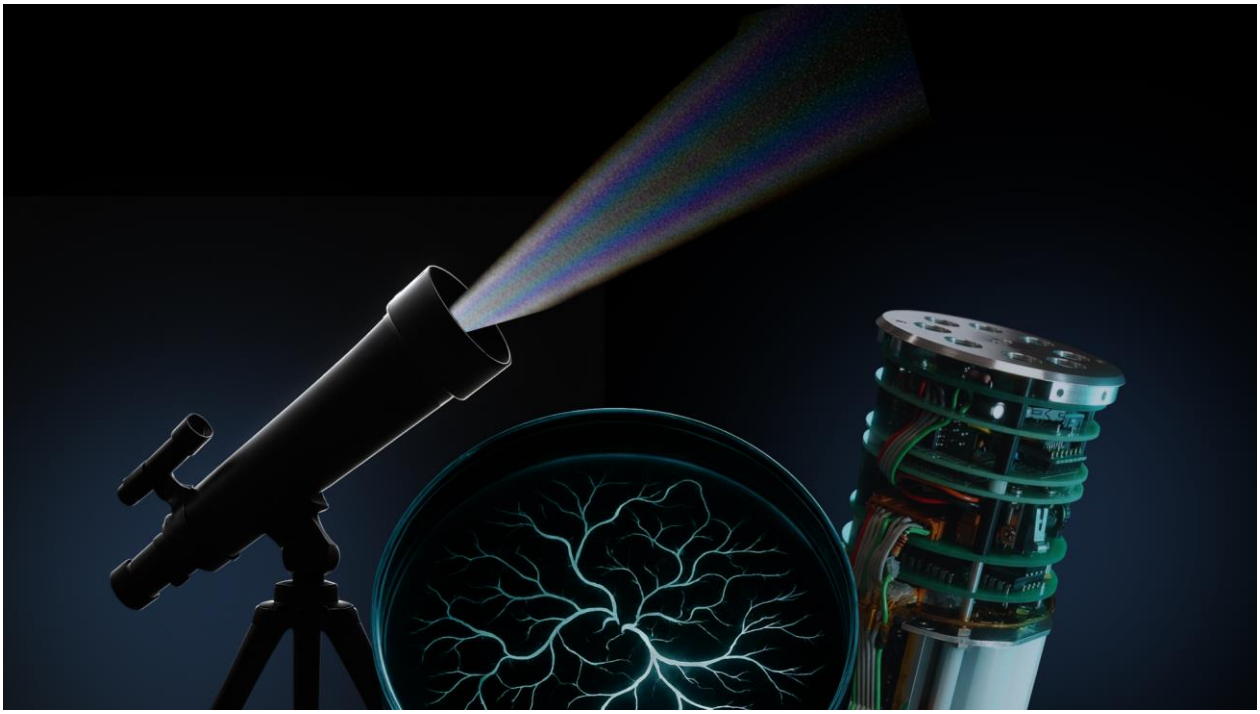

Jaguar Space Announces Winners of Central American Call for Proposals JS-2025-01

Colorado, USA – September 16, 2025 – Jaguar Space, a leading provider of space access and advisory services, today announced the three winning proposals of its first-ever Central American call for proposals, JS-2025-01. The initiative, designed to advance space science and engineering in the region, specifically sought out projects with strong scientific merit and compelling business potential.

The JS-2025-01 call, under the campaign theme "The Future Needs Bold Ideas," attracted a highly competitive field of proposals from across the region. The selected projects stood out for their innovation, scalability, and potential to generate significant impact both on Earth and in the burgeoning New Space economy.

The three selected proposals are:

1. Orion's Eye: Low-Cost Celestial Tracking System for Astronomical Observation and Navigation

Award Amount: US$1,500

Principal Investigator: Rodolfo Alexander Ramos, Guatemala

Team Affiliations: Universidad de la Salle (Nicaragua), Instituto Guatemalteco Americano (Guatemala), Universidad del Valle de Guatemala (Guatemala), Instituto Tecnológico de Costa Rica (Costa Rica), Universidad Nacional de El Salvador (El Salvador), and Universidad Mariano Gálvez (Guatemala).

About The Project: This project will develop an innovative, low-cost spectrometer-based system for tracking stars and celestial bodies. Its open-source, DIY design aims to democratize access to advanced astronomical tools for students, educators, and amateur astronomers across Central America, fostering STEM education and creating a scalable model for future innovation.

2. Symbiotic Strategies in Monocots Under Simulated Microgravity for Sustainable Terrestrial and Space-Based Agriculture

Award Amount: US$2,100

Principal Investigator: María Nicole Gálvez Bailey, Guatemala

Team Affiliations: Universidad Del Valle de Guatemala (Guatemala)

About The Project: This research will study how arbuscular mycorrhizal fungi and nitrogen-fixing bacteria interact with plants under simulated microgravity. The findings aim to inform sustainable, low-input strategies for rehabilitating nutrient-deficient volcanic soils in Central America and contribute to the development of resilient plant-microbe systems crucial for long-duration space missions and extraterrestrial agriculture.

3. CanSat Guatemala Challenge: A Scalable Pilot for Central American Space Education Development

Award Amount: US$1,800

Principal Investigator: José Eduardo Silva Armas, Guatemala

Team Affiliations: Universidad del Valle de Guatemala (Guatemala), Universidad Rafael Landívar (Guatemala)

About The Project: This initiative will establish Guatemala's first national student competition to design, build, and launch miniature satellites (CanSats). Organized by the "Eggineers" team, the project aims to create a hands-on educational pipeline for space talent and a scalable model for regional growth in practical aerospace engineering.

The review committee highlighted the outstanding quality of all three proposals, noting their strong systems engineering approaches, cost-effective models, and high potential for scalability and impact across Central America.

Jaguar Space is proud to fund and support these teams as they advance their projects, reinforcing its commitment to expanding access to space for emerging nations and ensuring Central America plays a key role in humanity's next chapter in space.

About Jaguar Space:

Jaguar Space is dedicated to advancing science and business through access to space and expert advice. We believe in empowering innovators from emerging nations, providing them with the resources and platform to turn bold ideas into reality. Our mission is to ensure that the future of space exploration is built by a diverse and inclusive global community. More at https://jaguarspace.net/

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