

IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM (A1)
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Author: Mrs. Celeste Segura Sánchez
Costa Rica

ASTRONAUTICAL AND BIOMEDICAL RESEARCH INSTITUTE OF COSTA RICA (ABI)

Abstract

Costa Rica has shown to have great potential in the aerospace area over the last years, with different projects, startups, and Costaricans inside of Space Agencies around the world. For example Mrs. Sandra Cauffman and Mr. Franklin Chan-Diaz within NASA. In our region, many Costa Ricans are interested in this area but the opportunities are few. A lot of enthusiasts and professionals seek to develop, but there is a lack of support that currently exists at the national level, the lack of resources is limiting brilliant minds, and specifically the Biomedical and Bio astronautical area. Due to this need, the “Institute of Astronautical and Biomedical Research of Costa Rica” (ABI) is born, this is an institute created by women and men committed to improving space and medicine.

This institute is dedicated to researching the effects of space on human health and developing emerging technologies for safe human space travel. ABI seeks to promote the interests of a professional group, support its members, mitigate the damage suffered by astronauts upon returning to Earth and determined to find a way to make space an inclusive universe where physical and economic capabilities do not limit a person. Starting being an NGO and looking for support in the space industry, in the same region the project is successful by itself given the nature of it. Together we will build a more sustainable, inclusive, and global space, which is ours, the fact of explore is a deeply human feeling, is our nature.

In addition, our mission extends beyond research. We’re pioneering flexible learning methodologies to make astronautics, space medicine and human health in space accessible to everyone through core courses and create awareness campaigns of the importance of Central American representation in these fields. We will also work on sharing knowledge collaborative knowledge-sharing groups related to these areas while at the same time creating networking that serves as an impetus for the creation and development of projects, while we’ll actively working with established projects initiatives like CELLE and its device ”Antares”. Our focus is on creating pathways for Central America in the space industry and demonstrating how with the appropriate resources we can be part of the change, development and improvement of the biomedical and bio astronautical area.