Opportunity title: Growing Crops in Simulated Martian Soil for Space Farming

URL: “How bright is the future of space food?” < https://www.hawaii.edu/news/2017/02/23/how-bright-is-the-future-of-space-food/ >.

Description: NASA is keenly interested in and has been conducting research on growing crops in space and on Mars as a source of food for astronauts. This proposed project involves growing crops in different kinds of Martian "simulated" soils. It offers a choice of working in several research areas: 1) comparing the effects of different "simulated" Martian soils; 2) comparing the effects of different "simulated" Martian soil formulations; and 3) growing different kinds of crops. It is anticipated that results from this project would provide information on the effects of different "simulated" Martian soil components on crop growth and the use of alternative crops in space.

Requirements: Qualified students should have interest and background knowledge in biology, botany, plant science, horticulture, engineering, or related fields.

Responsibilities: The aim of the project is to provide the student with research and learning opportunities related to space biology, controlled environment agriculture, and horticulture.

Application deadline: Rolling

Location (specific): University of Hawaii at Manoa

Relevant major or college: Biology, botany, plant science, horticulture, engineering, or related fields.

Application: Apply with CV and cover letter to Dr. Kent Kobayashi, Associate Professor, Tropical Plant & Soil Sciences Dept., University of Hawaii at Manoa. E-mail: kentko@hawaii.edu. < http://manoa.hawaii.edu/ctahr/tpss/faculty?id=21 >.