

Benefits of ISS: One-Year Mission

The goal is to learn more about how the body responds to a long-term, low-gravity environment.

Microbial Group



Studies the microbiome, the microbial organisms that live inside each and every one of us.



Visual Impairment Group

Tracks the effects of a long duration space flight on ocular health.



Behavioral Health Group

Includes studies to learn more about our brain and how it relates to stress and fatigue in space.



Human Factors Group

Includes investigations to assess how astronauts interact with the space station environment.



Metabolic Group

Examines the effects of space flight on blood-borne chemistries and the immune system.



Physical Performance Group

Includes studies that will enhance our knowledge of the effects of weightlessness on bones, muscles and heart.



Functional Group

Examines changes in performance of functional tasks for lunar and Mars operations.