

IIC Gurukul Kangri (Deemed to be) University, Haridwar

Dated: 7.7.2021

On 7 July 2021, an online webinar, **Fruit flies in space: Innovation Relevant to Astronaut's health**” was organized by Institute Innovation Council (IIC), Gurukul Kangri (deemed to be) University, Haridwar. The speaker was DR. RAVIKUMAR HOSAMANI, an eminent astrobiologist, who spent almost 7 year in NASA, Ames Research Center, California, USA. As we know that the ongoing research on the International Space Station (ISS), staying in this confined isolated microgravity environment for few weeks has a significant effect on the astronaut's health. Some of the pressing health issues are loss of bone structure, muscle loss, compromised immune response, cardiovascular effects, physiological stress, and altered behavior. Scientists have been exploiting various biological model systems to better understand these effects on astronauts' health. At NASA Ames Research Center, California. The speaker carry out spaceflight experiments using the fruit fly as a model system. The speaker explored, some of these efforts that are relevant to astronaut's health in space. The events was highly successful as more than 75 person (students as well as faculty and research scholars from various background like Engineering, Life Science, and Physics) from different institutions like, DU, Jamia Hamdard University, Delhi, CCS University, Meerut and Gurukula Kangri University, have been participated in this event.