Are you active in Biosciences / Pharma R&D and dare to be innovative as early adaptor / partner of space-CRO services to test and validate the benefits of microgravity and radiation on your R&D? Contact in B2match or email: Hilde.Stenuit@spaceapplications.com, Sarah.Baatout@sckcen.be, Kevin.Tabury@sckcen.be

**Microgravity** allows to conduct Pharma & Biosciences research that cannot possibly be done in terrestrial labs
- Accelerated human diseases / ageing models
- Unique Omics changes in tissues
- Increased microorganisms’ cell growth & virulence
- 3D cell cultures/organoids = better models
- Drugs discovery and testing
- Better (protein) crystallization

**Cosmic radiation** allows to:
- Develop biomarkers of radiation response
- Improve radiation therapy
- Develop radioprotectant pharmaca
- Study pharmacological response to human tissues.

This project targets to provide a service of **Contract Research Organization (CRO)** to Biotech & Pharma, making use of **lab infrastructure in space**. The research can relate to:
- Drug testing & development
- Lab-on-chip in space
- Biomarkers of Personalized Medicine
- Stem cell R&D- micro-organs/organoids
- Cell & gene therapies
- Radiation biomarkers
- Biobanking regenerative technologies

Space CRO would allow completely new, innovative and unique solutions in the value chains of those application areas and markets.