

Microgravity business: Space R&D for the benefit of everyone Virtual Seminar, November 6th 2020

Moderator: Joan Alabart – Portugal Space

9h00 – Testing Webinar technical aspects

9h30 – Welcome session

- *Welcome speech:*
Prof. Manuel Heitor - Ministro da Ciência, Tecnologia e Ensino Superior
- *Keynote speaker: Mr. Ricardo Conde – President of Portugal Space*
- *Keynote speaker: **Renewed science for deep space outlook** – Dr. Didier Schmitt – Coordinator HRE ESA*
- *Keynote speaker: Maria João Queirós – Agência de Investigação Clínica e Inovação Biomédica (AICIB)*

10h30 – Topic 2: Microgravity for Quality of Life - research and industrial applications

- ***ESA's SciSpacE programme - overview and opportunities** – Dr. Jennifer Ngo-Anh – Research and Payloads Programme Coordinator HRE ESA*
- ***SENER experience in developing microgravity payloads** – Mr. Joan Manel Casalta - SENER*
- ***Applications of project Effect of Microgravity on Microbial Chlorophyll (EM²C) for future crewed missions and space colonization** – Ms. Lígia Fonseca Coelho - MIT Portugal*
- *Q/A Session*

11h30 – Coffee Break

12h00 – Topic 3: Microgravity for Human Research - Pharmaceutical / Medical Applications

- *Human Space Exploration – Challenges and Achievements* – Dr. Thais Russomano – Faculdade de Medicina, Universidade de Lisboa & InnovaSpace UK
- *Manufacturing sustained delivery systems in microgravity* - Dr. Tyagi, Puneet – Senior Scientist at AstraZeneca
- *The Influence of Microgravity on Human Cells* – Dr. Markus Wehland - Otto-von-Guericke University
- *Microgravity for health on Earth: the new Space revolution* – Dr. Paul Kamoun – CMO at SpacePharma
- Q&A Session:

13h00 – Lunch Break

14h00 – Topic 4: Access to microgravity conditions and future prospects

- *Keynote speech: Dr. Dava Newman* – former vice-administrator NASA, Director MIT Portugal.
- *ESA commercialization efforts* – Dr. Bernhard Hufenbach– Head of the Strategic Planning Office HRE ESA
- *Revolutionary Space Access* - Dr. Olympia Kyriopoulos – OLYMPIASPACE for Blue Origin
- *Mr. Richard DalBello* - VP Business Development and Government Affairs at Virgin Galactic
- *Axiom and Building Access to Microgravity* – Mr. David Zuniga – Business Development Manager at AxiomSpace
- Q&A Session – 20 minutes.

15h30 – Closing Remarks

- *Ricardo Conde* – President of Portugal Space.