



February 15, 2023

8:00 - 8:45 REGISTRATION – PALAIS DES FESTIVALS ET DES CONGRÉS

8:45 - 9:00 ENTRANCE TO PLENARY AUDITORIUM





February 15, 2023

SESSION 1 : KEY SPACE ACHIEVEMENTS AND CHALLENGES FOR PHARMA, COSMETICS, NUTRITION, ADVANCED MATERIALS

9:00 - 9:10 WELCOME

PANEL 1: What are the most effective mechanisms to develop NewSpace applications?

9:10 - 9:30 Lisa DENZER, ESA, The BSGN Initiative

9:30 - 9:40 Guillaume PRIGENT, Emmanuel MONDON ESA – BASS-BSGN Applications

9:40 - 9:50 Hilde STENUIT, Ice Cubes Life Sciences sub-services, infrastructure and communities

9:50 - 10:00 Pascal ROSENFELD, CFO, ALEPH-FARMS

10:00 - 10:30 Q&A Moderator: Michel CASTELLANET, SAFECLUSTER

10:30 - 10:50 Coffee Break

PANEL 2: Which domains are the most mature for in-space manufacturing?

11:00 - 11:30 Ken SAVIN, CSO, REDWIRE. 'Developing Products in Space: what it is going to take'

11:30 - 11:45 Audrey BERTHIER, CEO, MEDES, Life Sciences

11:45 - 12:00 José SALGADO, CMO, SCM, Tackling Agri and Food Challenges from Space

12:00 - 12:15 Liliana LAYER, CSO, PROMETHEUS, 'Organoids in Space'

12:15 - 12:45 Q&A Moderator: Luca DEL MONTE, ESA

12:45 - 13:45 Lunch





SESSION 2: KEY SPACE ACHIEVEMENTS AND CHALLENGES FOR BIOTECHNOLOGY, MEDICINE, LONGEVITY AND HUMAN SPACE FLIGHT

PANEL 3: What medical domains are in greatest need of urgent innovation?

- 14:00 - 14:20 Frederic REVAH, CEO, GENETHON, Space meeting the challenges of Gene Therapy?
- 14:20 - 14:30 Dity NATAN, VP-R&D, AMORPHICAL, Amorphous Calcium Carbonate for Longevity
- 14:30 - 14:40 Pr. Francois BERGER, UGA, Space for Brain & Neurodegenerative Research
- 14:50 - 15:05 Danilo TAGLE, NCATS Tissue Chips in Space for Disease Modelling & Drug Dev.
- 15:05 - 15:35 Q&A Moderator: Emilie ROYERE, EUROBIOMED
- 15:35 - 15:55 Coffee Break

PANEL 4: Where is space most relevant for health innovation?

- 16:00 - 16:30 *Keynote:* Michael ROBERTS, CSO ISS-NL, ISS Achievements & New Challenges
- 16:30 - 16:40 Vincent RONFARD, CTO, CUTISS, Synthetic Skin, Innovation from space
- 16:40 - 16:50 Eric GILSON, Director, IRCAN, Aging challenges & innovation potential from space
- 16:50 - 17:00 Patsy McDonald, MOFFITT Cancer Centre, Mitigating DNA damage in space
- 17:00 - 17:30 Q&A Moderator: Audrey BERTHIER, MEDES

17:30 -18:30 Conference with ESA ASTRONAUT SAMANTHA CRISTOFORRETTI

Record for longest spaceflight by European astronaut, Commander Mission ISS 68, September '22





February 16, 2023

SESSION 3: FUTURE SPACE INFRASTRUCTURES FOR IN-ORBIT SERVICING AND MANUFACTURING

PANEL 5: Research opportunities in Low Earth Orbit beyond ISS

- 8:30 - 8:50 Helene HUBY, CEO, The Exploration Company
- 9:10 - 9:30 Liz WARREN, BLUE ORIGIN, The Orbital Reef Infrastructure
- 9:30 - 9:50 Marc GIULIANOTTI, Director, SIERRA SPACE, In-Space Manufacturing
- 9:50 - 10:10 Walter CUGNO, VP Exploration & Science, TAS, New Space Infrastructures
- 10:10 - 10:40 Q&A Moderator: Bernhard HUFENBACH, ESA
- 10:40 - 11:00 Coffee Break

PANEL 6: In-Space Manufacturing opportunities in Low Earth Orbit beyond ISS

- 11:00 - 11:20 Fabio CARAMELLI, ESA, Director, Space Rider Program
- 11:20 - 11:40 Veronica LA REGINA, CEO NANORACKS-EU, Bishop Airlock and NR infrastructures
- 11:40 - 12:00 Yossi YAMIN, CEO, SPACEPHARMA, Biopharma Space factory
- 12:20 - 12:40 Johannes WINDISCH, TU-Dresden, Space 3D Bioprinting: Opportunities, Limitations
- 12:40 - 13:10 Q&A Moderator: Yves DURAND, TAS
- 13:10 - 14:30 Lunch





SESSION 4: EVOLUTION OF HEALTH INNOVATION FROM NEWSPACE

14:00 - 14:50

ROUND TABLE 1: C-LEVEL from Health and Space sectors: bridging the gap between sectors?

Moderator: Donatella PONZIANI (ESA)

Massimo COMPARINI (CEO, TAS-I), Pierre DIEBOLT (CEO, NUVISAN, President Sophia-Antipolis BIOPARK), Mike GOLD (COO, REDWIRE SPACE), Yannis GUILLEMIN (CTO, ISBA), Laura TODD (AIRBUS),

15:00 - 15:50

ROUND TABLE 2: INSTITUTIONS: Is there still a role for governments and which one?

Moderator: Emilie ROYERE (EUROBIOMED)

Thomas FOUQUET (CNES), Vincenzo GIORGIO (CEO, ALTEC), Geraldine NAJA (Dir. CIP, ESA), Danilo TAGLE (NIH), Cécile THEARD-JALLU (Intl. BAR Assoc.)

16:00 - 16:50

ROUND TABLE 3: INVESTORS. Motivating the financial world to accelerate this health revolution?

Moderator: Stela TKATCHOVA (EU-EIC)

Luca DEL MONTE (ESA), François CHOPARD (STARBURST), Véronique DE LA CASA (CNES), Dante GALLI (ESA), Maureen HAVERTY (SERAPHIM), Jeremy TEBOUL (PROMUS)

16:50 – 17:00 CONFERENCE CLOSING

