

Commission 2 Space Life Sciences

Minutes

Wednesday 13 March, 2024 – 14h00-16h00 (Paris time)
Zoom Virtual meeting

1. **Welcome**

Commission Chair Antonios Kyparos welcomed the participants. The most part of the commission members joined the meeting.

2. **Adoption of the Agenda**

Dr. Kyparos presented the agenda. There were no comments on it.

3. **Adoption of the Minutes of the last Commission meeting**

The minutes from the last IAA Commission 2 meeting were revised and accepted.

4. **IAA Cosmic Studies**

4.1 Current Studies

The status of ongoing Commission 2 Studies was discussed. All SGs are on schedule and follow the agreed topics.

Study Group 2.14 – Chair or representative: Fomina/Doarn/Kussmaul
Challenges in Medical Support for an International Human Expedition to Mars

Drs. Fomina, Doarn and Kussmaul informed that the study is completed, the final document prepared and the review process is performed now

Study Group 2.15 – Chair or representative: Mano/Tomilovskaya
Immersion Model: Importance for Space Life Sciences Studies

Dr. Fomina informed that the final document is ready, 1st draft expected for the IAA Spring meetings in Paris

Study Group 2.17 – Chair or representative: Haignere/Prunariu
Dynamic Assessment & Management of Astronauts' Physical Health Post-Landing

The participants discussed that it is important for this study to have the data from all the space agencies. Final report expected (reviewers forms available online)

Study Group 2.18 – Chair or representative: Kourtidou/Bamidis
Sleeping Brain in Space and Analog Environments

The study is in progress. Final report expected (reviewers forms available online)

Study Group 2.19 – Chair or representative: Goswami
Thromboembolism in Space

Prof. Goswami presented to the Commission the progress of the investigation. Final report expected in 6 months (2 chapters missing)

Note: The Commission 2 members discussed the issue of final SG documents access. Sharing them among the wide community would be important for the practical realization of obtained results. It was decided by the Commission that the short version of the report could be published in *Acta Astronautica* with the link to the full version of the document available for the special price (summary report in *Acta Astronautica* journal, DOI for IAA studies).

4.2 New Studies Proposals

This moment there are no new study proposals.

5. IAA Conferences

5.1 IAA Conferences

IAA Human in Space Symposium

No new proposals were received. Dr. Goswami expressed regret that they could not host the symposium in Austria. The IAA office will send to Dr. Fomina the contact details of Japanese representative for the discussion and whether IAA Human in Space Symposium can be host in Japan in 2025. Contact person TBC and Program Committee TBD.

Symp. on the Peaceful Use of Space Technology – Health IPSPACE

Dr. Contant reported on the status of the upcoming 18-20 November 2024, Beijing, China. The participants agreed that this is an important event for the Academy and that all the members should promote this Symposium and stimulate active online and offline participation. Draft call for papers available. Session on Life sciences, co-chair from China to be appointed.

5.2 IAA Symposia at IAC

Joint IAA/IAF symposium on space life sciences, (IAC A1)

Program Committee Chairs or representatives: Oleg Orlov, Peter Graef

On behalf of Dr. Rettberg Dr. Fomina organized the meeting for the abstract selection in Paris during the IAA Spring meeting. The results of the selection will be announced after this meeting.

5.3 New Conferences proposals

No proposals for new Conferences.

Dr. Fomina reported on the XVIII Conference on Space Biology and Aerospace Medicine with international participation, dedicated to the 60th anniversary of the Institute of Biomedical problems. It was successfully held in November 2023.

Discussion on the topic “Designing humans for the future on Earth and in space” (Ioana Cozmuta, Randy Liebermann)

6. Other Business

The possibility to organize an online course on Life Sciences has been proposed by Chrysoula-Kourtidou Papadeli.

Next meeting is planned on the end of March in Paris, France.