



**IAA COMMISSION 2 on Space Life Sciences  
Open Coordination Meeting  
Sunday, September 21, 2013  
Beijing, China**

**Minutes**

**1. Welcome**

Dr. O. Orlov, the new Commission 2 Chair, welcomed the commission members and others to the meeting. Eight persons attended the meeting, including 3 commission members (see Attachment 2).

**2. Adoption of the Agenda (Orlov)**

Participants discussed proposed Agenda and make some changes. Attachment 1 contains the final Agenda for the present meeting.

**3. Adoption of the Minutes of Commission 2 Meeting in Paris, 18 March 2013**

The minutes from the last commission meeting in Paris on March 18, 2013 were reviewed and accepted.

**4. IAA Cosmic Studies**

**4.1 E-Learning and Space Life Sciences, SG 2.8**

Dr. Kourtidou-Papadeli, Chair, reported that Study Group 2.8 on *e-Learning in Space Life Sciences* has been completed and passed from the commission 2 to reviewing process by Board of Trustees. No feedback on the final peer review of the report has been provided.

**4.2 International Standards for Bed Rest Studies, SG 2.9**

Dr. Sundblad, Chair, reported that Study Group 2.9 on *International Standards for Bed Rest Studies* was completed and passed from the commission 2 to reviewing process by Board of Trustees. No feedback on the final peer review of the report has been provided.

**4.3 Effectiveness of Different Physiological Countermeasures To Spaceflight Deconditioning, SG 2.12**

Dr. Charles, Chair, informed that the Study Group established with 16 members, Kick-off meeting was held on June 18, 2013 (telecom) where the

Milestones for the study were decided.

#### **4.4 Space Life Sciences in the Exploration Era, SG 2.13**

Dr. Gerzer informed about the status of SG 2.13 activity. Questionnaire on necessities for future research of the space life sciences community was distributed to 350 pre-registered participants of the 19th IAA Humans in Space Conference in Cologne. About 100 participants returned the questionnaire. The results were then discussed in two plenary sessions during the Conference in July, 2013. The priorities were then decided in the plenum. It was decided to summarize the priorities to a one to a two pages “Cologne Resolution” to be endorsed by the conference participants as a result of the whole conference. This “Cologne Resolution” is at the same time the basis of the whole position paper. Currently, the Cologne Resolution is finalized by the study group members.

#### **4.5 Medical Support for an International Human Expedition to Mars, SG 2.14**

The study group has been approved and members confirmed. A first telecon among members is planned for this fall.

### **5. Program Preparation Activities**

#### **5.1 IAA/IAF Space Life Sciences Symposium A.1 – 64th IAC – Beijing: Chen**

Dr. Chen provided a summary of the status of the 64rd IAC in Beijing. More than 3000 attendees, 180 technical sessions, 8 plenary events, 3 highlight lectures and 3 late breaking News, appearances by elites, will define the Congress. The Space Life Sciences Symposium (A.1) has eight technical sessions and all sessions have been filled. The Symposium should be a success.

#### **5.2 Global Networking Forum on Space Medicine & Human Health – Li Yung-hui**

Dr. Li informed about the preparation of the Global Networking Forum (GNF 2013), planned on the morning of 25th Sep. during IAC. The topic of GNF 2013 is Space Medicine and Human Health.

#### **5.3 International Forum for Space Life Sciences & Space Biotechnology – Yang**

Dr. Yang presented information about the International Forum for Space Life Science and Space Biotechnology (IFSLSB) planned to be held on 24 September, 2013 in Beijing, China. 60 top scientists are expected to be attending this forum. This forum presents the strategic plan of life science and biotechnology and international cooperation idea of Chinese space

station, and provide venue to talk about the achievements and prospects in this field.

#### **6. Transition of Commission Officers for 2013-2015**

Dr. Orlov informed the commission members about the changes in member list of Commission. The Vice Chair is Dr. Sundblad P. (Sweden), the Secretary is Dr. Belakovskiy M. (Russia), the Past Chair is Dr. White R. (USA), members are: Drs. Akinyede J. (Nigeria), Davis J. (USA), Rettberg P. (Germany), Rittweger J. (Germany), Russomano T. (Brazil).

#### **7. Other Business**

On the suggestion of Dr. Orlov participants discussed possible ways of cooperation with the IAF Life Science Technical Committee and agreed that it is necessary to organize joint meetings and discussion of the general agenda for the Space Life Science community.

#### **8. Adjourn**

The next Commission 2 Meeting will be held jointly with the IAF Life Science TC. The date and the place will be clarified later on agreement with the IAA Headquarters and IAF. Participants agreed that the date should be chosen carefully taking into account the fact that for the present meeting the lag of 2 days before the main events could be the reason for the non-attendance of some Commission Members.



## **International Academy of Astronautics**

**6, rue Galilee, 75116 Paris**

**<http://www.iaaweb.org>**

### **Commission #2**

## **AGENDA**

**Beijing, China**

**CNCC Room 208 B**

**21 September 2013 – 13:00 – 16:00**

- 1. Welcome (Orlov)**
- 2. Adoption of the Agenda (Orlov)**
- 3. Adoption of the Minutes of Commission 2 Meeting in Paris, 18 March 2013 (Orlov)**
- 4. IAA Cosmic Studies**
  - 4.1 E-Learning and Space Life Sciences, SG 2.8, Chair: Kourtidou/G.Horneck
  - 4.2 International Standards for Bed Rest Studies, SG 2.9, Chair: Sundblad/Orlov
  - 4.3 Effectiveness of Different Physiological Countermeasures To Spaceflight Deconditioning, SG 2.12, Chair: Charles/Kozlovskaya
  - 4.4 Space Life Sciences in the Exploration Era, SG 2.13, Chair: Gerzer/White
  - 4.5 Medical Support for an International Human Expedition to Mars, SG 2.14, Chair: Orlov/Dav
- 5. Program Preparation Activities**
  - 5.1 IAA/IAF Space Life Sciences Symposium A.1 – 64th IAC – Beijing: Chen
  - 5.2 Global Networking Forum on Space Medicine & Human Health – Li
  - 5.3 International Forum for Space Life Sciences & Space Biotechnology – Yang
- 6. Transition of Commission Officers for 2013-2015 – Orlov**
- 7. Other Business**
- 8. Adjourn**

Attachment 2



Attendees

Name	e-mail	fax
Oleg Orlov IBMP, Russia	olegtr@bk.ru	+7-499-195-2253
Mikhail Belikovskiy IBMP, Russia	info@ibmp.ru	+7-499-195-15-00
PETER GRAEF DLR, GERMANY	peter.graef@dlr.de	+49 228 447 373
Shanguang CHEN CMSA, China	shanguang_chen@126.com	
Yinghui Li Acc, China	yinghui11@vip.sina.com	
Guenther Reitz DLR, Germany	guenther.reitz@dlr.de	+49-2203 61970
Petra Reitzberg DLR, Germany	petra.reitzberg@dlr.de	. u u
Yang Yang	yy@csu.ac.cn	+86 10 82178267