

The International Space Medicine Summit II purpose is to bring together, as in the first Summit, the leading physicians and space biomedical scientists from the space-faring nations to expand on the high-level discussions of research needed to prevent and/or mitigate the medical and biomedical challenges to the health and well-being that astronauts and cosmonauts experience in long duration space flight; and, to have further discussions during the ISMS II of the opportunities for facilitating and maximizing the utilization of the International Space Station (ISS) for research aimed at enabling astronauts and cosmonauts to succeed in subsequent expeditions to the Moon, Mars, and beyond.

As in the first Summit, invitations to the ISMS II are extended to nations that have an interest in or have flown humans and/or conducted biomedical research in space. The primary aims of the Summit are to: foster increased communication, cooperation, and collaboration among the world's top physicians and scientists in space medicine and the space life sciences in order to enable successful human space exploration; protect the health and well-being of the flight crews before, during, and after long duration missions in space; and, enhance life on Earth by applying the resultant advances in human knowledge and technology acquired through living and working in space.

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# ISMS

International Space Medicine Summit  
May 17-19, 2008

JAMES A. BAKER III  
INSTITUTE FOR PUBLIC POLICY  
RICE UNIVERSITY  
Houston, Texas, USA

1800 – 1930 **Registration/Opening Reception**

## SATURDAY— MAY 17, 2008

0800 **Continental Breakfast**0830-0930 **Welcome and Introductions****Opening Remarks:**

Ambassador Edward P. Djerejian

**Key Note Speaker:**

David Leebron, President, Rice University

**Orientation:**

George W.S. Abbey,

Baker Botts Senior Fellow in Space Policy

James A. Baker III Institute for Public Policy, Rice University

Bobby R. Alford, MD,

Chancellor, Baylor College of Medicine

Chairman of the Board and CEO,

National Space Biomedical Research Institute

0930-1145 **Panel I: Solar Radiation Risks for Lunar Operations****Moderators:**

Vladislav M. Petrov, PhD and

Marcelo E. Vazquez, MD, PhD

**Panelists:**

Oliver Angerer

Leroy Chiao, PhD

Francis A. Cucinotta, PhD

Amy Kronenberg, ScD

Anatoly B. Rozenfeld, PhD

Edward J. Semones

Mary G. Van Baalen

**Discussion and Q and A**1200-1330 **Luncheon****Introduction:** George W.S. Abbey**Speaker:**

Mike Coats, Director, Johnson Space Center

**Topic:**

Future of Space Flight

1345-1600 **Panel II: Human Performance****Moderators:**

Albert Nechaev, PhD and

Leroy Chiao, PhD

**Panelists:**

Charles A. Czeisler, MD, PhD

Michael L. Gernhardt, PhD

Stephen D.R. Harridge, PhD

Inessa Kozlovskaya, MD, PhD

Sergei K. Krikalev, PhD

William "Bill" Seitz

Walter Sipes, PhD

Captain John W. Young

**Discussion and Q and A**1700 **Social Networking**1800 **Dinner****Program:**

Doctors Orchestra of Houston Ensemble

1730 **Reception**1830 **Dinner****Introduction:** Bobby R. Alford, MD**Speaker:**

Michael E. DeBakey, MD (video)

## SUNDAY— MAY 18, 2008

0830 **Continental Breakfast**0900-1145 **Panel III: Space Medicine****Moderator:**

Dafydd Williams, MD

**Panelists:**

Jonathan B. Clark, MD

Jean-Marc Comtois, MD

Volker Damann, MD

Smith L. Johnston, MD

Chiaki Mukai, MD, PhD

Richard "Rick" Scheuring, DO

Richard S. Williams, MD

David A. Wolf, MD

**Discussion and Q and A**1200-1315 **Luncheon**1330-1615 **Focus Group Discussions****Group A: Lessons Learned: Medical and Engineering****Leader:** Sergei K. Krikalev, PhD**Group B: Data Sharing and Research Capabilities****Leader:** Neal R. Pellis, PhD**Group C: Education****Leader:** Greg Olsen, PhD**Group D: Opportunities and Challenges for International**

Cooperation and Collaboration

**Leader:** Charles "Chuck" Sawin, PhD1630 **Group Report Writing****Group A: Lessons Learned: Medical and Engineering****Leader:** Sergei K. Krikalev, PhD**Group B: Data Sharing and Research Capabilities****Leader:** Neal R. Pellis, PhD**Group C: Education****Leader:** Greg Olsen, PhD**Group D: Opportunities and Challenges for International**

Cooperation and Collaboration

**Leader:** Charles "Chuck" Sawin, PhD

## MONDAY— MAY 19, 2008

0800 **Continental Breakfast****Reports of Focus Group Discussions**0830 **Group A: Lessons Learned: Medical and Engineering****Leader:** Sergei K. Krikalev, PhD0900 **Group B: Data Sharing and Research Capabilities****Leader:** Neal R. Pellis, PhD0930 **Group C: Education****Leader:** Greg Olsen, PhD1000 **Group D: Opportunities and Challenges for International**

Cooperation and Collaboration

**Leader:** Charles "Chuck" Sawin, PhD1000-1030 **Break**1030-1200 **Panel IV: Benefits of International Cooperation****Moderator:**

Neal F. Lane, PhD

**Panelists:**

Leroy Chiao, PhD

Brig Gen Jean-Loup Chretien

General Joe H. Engle

Rose Gottemoeller

Inessa Kozlovskaya, MD, PhD

Chiaki Mukai, MD, PhD

Dafydd Williams, MD

Jian-Li Zhang

**Discussion and Q and A**1200-1330 **Luncheon****Introduction:** Leroy Chiao, PhD**Speaker:**

TBD

**Topic:** China Vision for Space Exploration1330 **Closing**