

# THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

This agenda was last updated on March 30, 2015

## NRC SPACE SCIENCE WEEK

### SPRING 2015 MEETING OF THE COMMITTEE ON BIOLOGICAL AND PHYSICAL SCIENCES IN SPACE

March 31-April 2, 2015

NAS Building – 2101 Constitution Ave NW – Washington D.C.

#### Tuesday March 31, 2015

##### MORNING PARALLEL BREAK-OUT SESSION

COMMITTEE ON BIOLOGICAL AND PHYSICAL SCIENCES IN SPACE (CBPSS) – Board Room

##### OPEN SESSION

**7:30 AM** *Registration opens and breakfast is available in the Great Hall*

**10:40 AM** *Public Session Begins*

**10:45 AM** **Chairs Welcome Attendees** **Robert Ferl, Co-Chair**

**11:00 AM** **Role of CASIS** **Gregory Johnson and Mike Roberts, CASIS**

**12:00 PM** *Lunch available in the Great Hall*

#### Tuesday March 31, 2015

##### PLENARY SESSION – Auditorium

**1:15 PM** **Welcome and Overview of Current SSB Activities** **David Spergel, SSB Chair**  
**Jim Lancaster, BPA Director**  
**Michael Moloney, SSB Director**

**1:45 PM** **NASA-SMD Budget, Program, and Priorities** **Marc Allen, NASA**  
*Presentation 15 mins / Q&A 15 mins*

**2:15 PM** **Roundtable Discussion on SMD Inter-divisional Cooperation** **Neil Gehrels, Moderator**  
*Opening Statements (3-4 mins each) 15 mins / Q&A 15 mins* **Mike Freilich ESD, Jim Green PSD, Paul Hertz ASD, Jeff Newmark HSD**

**2:45 PM** **Roundtable Discussion on NASA Inter-directorate Cooperation** **David Spergel, Moderator**  
*Opening Statements (3-4 mins each) 15 mins / Q&A 15 mins* **Greg Williams HEOMD, Jim Green, SMD, Jeff Sheehy, STMD**

**3:15 PM** *Break available in the Great Hall*

**3:35 PM** **Briefing on Achieving Science with CubeSats** **Thomas Zurbuchen, Cmte Chair**  
*Presentation 10 mins / Q&A 15 mins*

**4:00 PM** **Science on the International Space Station** **Julie Robinson, NASA**  
*Presentation 20 mins / Q&A 10 mins*

**4:30 PM** **Discussion with OSTP / OMB** **Tammy Dickinson, OSTP and Grace Hu, OMB**  
*Opening Statements (5 mins each) 10 mins / Q&A 20 mins*

**5:00 PM** **Discussion with Congressional Staff** **Tom Hammond, House Science, Space, and Technology Cmte**  
**Nick Cummings, Senate Subcmte on Space, Science, and Competitiveness**  
*Opening Statements (5 mins each) XX mins / Q&A XX mins*

**5:45 PM** **Closing Comments**

**6:00 PM** *Public Meeting Adjourns*

**7:00 PM** *Dinner by invitation in the Great Hall*

#### Wednesday April 1, 2015

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COMMITTEE ON BIOLOGICAL AND PHYSICAL SCIENCES IN SPACE (CBPSS) – Room 120

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OPEN SESSION

7:30 AM	<i>Registration opens and breakfast is available in the Great Hall</i>	
9:00 AM	<b>Welcome and Set the Scene for Mini-Symposium on GeneLab and Open Science Approaches</b>	Robert Ferl, Co-Chair
9:10 AM	<b>Open Science Concept</b>	Marshall Porterfield, NASA HQ
9:30 AM	<b>GeneLab Plans and Challenges</b>	Dan Berrios, NASA Ames
10:10 AM	<b>Physical Sciences Informatics Database</b>	Francis Chiaramonte, NASA HQ
11:00 AM	<i>Break available outside room</i>	
11:10 AM	<b>Space Telescope Science Institute Database</b>	Rick White, STSCI
11:55 AM	<i>Lunch available in the Great Hall (bring lunch back to room)</i>	
12:30 PM	<b>Genomics Database Panel 1</b> (Panel presentations and discussion) Panelists: <b>Todd Harris</b> (WormBase), Ontario Institute for Cancer Research; <b>Benjamin Hitz</b> ( <i>Saccharomyces</i> Genome Database), Stanford University; <b>Jennifer Lee</b> (ClinVar), National Center for Biotechnology Information, National Institute of Health; <b>Anup Mahurkar</b> (Human Microbiome Project Data Analysis and Coordination Center), University of Maryland, Baltimore; and <b>Ronald Przygodzki</b> (Million Veterans Program), Veterans Health Administration.	
2:30 PM	<i>Break available outside room</i>	
3:00 PM	<b>Genomics Database Panel 2</b> (Panel presentations and discussion) Panelists: <b>Aaron Black</b> (Inova Translational Medicine Institute), Inova; <b>Paramvir Dehal</b> (KBase), Lawrence Berkeley National Laboratory; <b>Ravi Madduri</b> (Globus), Argonne National Laboratory; <b>Aleksandar Milosavljevic</b> (ClinGen), Baylor College of Medicine; and <b>Todd Smith</b> (GeneSifter), Consultant for Digital World Biology.	
5:00 PM	<b>General Discussion</b>	
5:30 PM	<i>Activities suspended for a buffet working dinner in the Great Hall (by invitation only)</i>	
6:30 PM	<b>Plenary Public Talk – Our Place in the Universe: As Seen Through Past, Present, and Future Telescopes</b>	Jason Kalirai Space Telescope Science Institute

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Thursday April 2, 2015

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COMMITTEE ON BIOLOGICAL AND PHYSICAL SCIENCES IN SPACE (CBPSS) – Board Room

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OPEN SESSION

7:30 AM	<i>Registration opens and breakfast is available in the Great Hall</i>	
9:00 AM	<b>SLPSRA Update Status and Issues</b>	Marshall Porterfield, NASA
10:30 AM	<i>Break available outside room</i>	
10:45 AM	<i>Public Session Ends</i>	

## GENERAL NOTES

**Pre-registration:** All participants, including committee members, invited speakers and other attendees, are strongly encouraged to preregister at <http://sgiz.mobi/s3/973e534a66ea>.

**Registration** will be located in the Great Hall during the event. Please check-in there to receive your badge.

**NAS Building:** Is located at 2101 Constitution Ave., NW, between the State Department and the Vietnam Veterans Memorial. Additional information about the NAS Building is available at <http://www.nationalacademies.org/about/contact/nax.html>.

**Metro:** The closest Metro station (0.5 miles) is Foggy Bottom (Blue and Orange lines; exit and turn right, then turn left once you have passed the State Department)—see [http://www.nationalacademies.org/about/contact/na\\_069684.html](http://www.nationalacademies.org/about/contact/na_069684.html).

**Parking:** Very limited parking is available onsite at the NAS. The 22 available parking spaces are first come first served. Other available parking options are as follows:

- PMI (Columbia Plaza) –2400 Virginia Avenue NW. Phone (202) 785-2448. The daily rate is \$24.
- PMI - 111 19<sup>th</sup> Street NW. Phone (202) 466-7557. The daily rate is \$16.
- Colonial Parking – 2100 Pennsylvania Avenue NW. Phone (202) 295-8100. The daily rate is \$17.00.
- GW Elliot School Garage is located near the Department of Interior at 1957 E Street NW. The daily rate is \$26.00.

**Space Science Week Website:** [http://sites.nationalacademies.org/SSB/SSB\\_153141](http://sites.nationalacademies.org/SSB/SSB_153141)

### The following information is provided for any members of the general public who may be in attendance:

This meeting is being held to gather information to help the committee in its charge. This committee will examine the information and material obtained during this, and other public meetings, in an effort to inform its work. Although opinions may be stated and lively discussion may ensue, no conclusions are being drawn nor will recommendations be made. Observers who draw conclusions about the committee's work based on this meeting's discussions will be doing so prematurely.

Furthermore, individual committee members often engage in discussion and questioning for the specific purpose of probing an issue and sharpening an argument. The comments of any given committee member may not necessarily reflect the position he or she may actually hold on the subject under discussion, to say nothing of that person's future position as it may evolve in the course of the project. Any inference about an individual's position are therefore also premature.

### RECORDING OF THE MEETING

This meeting will be recorded by the NRC. Please be aware that by attending the meeting, you consent to your voice being recorded for use by the NRC for the purpose of note-taking. This recording will not be publicly released, shared outside of the NRC, or used for other public purposes.

## NOTES FOR PRESENTERS

If your presentation contains unpublished data, ITAR controlled and/or other sensitive information, please be aware that the open sessions at the meeting may be recorded and/or webcast. Presentation materials given to the committee may be posted on a publicly accessible website. Please edit your presentations accordingly.

Mac users should assume that their presentation will be displayed via one of the NRC's PCs. If your presentation is graphics heavy and best displayed via your own laptop, you should also bring a plain-vanilla pdf version of your presentation with you. The audience in the meeting room will see your presentation via your laptop and we will webcast the pdf file.

At some point a staff member will be asking you to sign a consent form allowing us to use your presentation, specifically to post it on our website.

## REMOTE CONNECTION DETAILS

### **WebEx & Telecon Instructions:**

Go to <https://nationalacademies.webex.com/>

1. Click on the meeting name (below) you want.
2. Enter your name and email address (you will not be spammed) and click “Join Meeting”
3. Let WebEx load (may take a minute); once loaded, WebEx will immediately and automatically provide you a pop-up window to enter the phone number you would like to be called at (i.e. home, office, mobile) to join the telecon. Enter your phone number and click “Call me” and follow the prompts.
4. Enter the Meeting Password (below)
5. Teleconference only: Connection quality is much better via WebEx’s “Call me” feature, so we strongly recommend that you connect this way. If you are not able to do so, you can dial 1-866-668-0721 and enter the conference code (below).

### **TUESDAY MARCH 31 OPEN SESSION 10:45 AM to 12:00 PM**

Meeting Name: CBPSS Day 1 Open – Space Science Week

Meeting Password: spaceweek

Conference Code: 797 795 6056

### **TUESDAY MARCH 31 PLENARY SESSION 1:15 PM to 6:00 PM**

Meeting Name: Space Science Wk Plenary

Meeting Password: spaceweek

Conference Code: 797 795 6056

### **WEDNESDAY APRIL 1 OPEN SESSION 9:00 AM to 5:30 PM**

Meeting Name: CBPSS Day 2 Open – Space Science Week

Meeting Password: spaceweek

Conference Code 797 795 6056

### **WEDNESDAY APRIL 1 PUBLIC LECTURE 6:30 PM**

The public lecture will be webcast, please go to [http://naswebcontent.nas.edu/ssb/ssb\\_153311](http://naswebcontent.nas.edu/ssb/ssb_153311) on the day of the lecture for a link to the webcast.

### **THURSDAY APRIL 2 OPEN SESSION 9:00 AM to 10:30 AM**

Meeting Name: CBPSS Day 3 Open – Space Science Week

Meeting Password: spaceweek

Conference Code: 797 795 6056