

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

Nuclear and Radiation Studies Board

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2011 GILBERT W. BEEBE SYMPOSIUM

TRACKING RADIATION EXPOSURE FROM MEDICAL DIAGNOSTIC PROCEDURES

December 8-9, 2011

**The National Academies
Keck Center
Room 100, 500 Fifth Street, NW
Washington, DC 20001**

The symposium is open to the public

The 2011 Beebe Symposium explores the need to track radiation exposure from medical diagnostic procedures such as computed tomography, fluoroscopy, and nuclear medicine imaging exams. These procedures have proven clinical benefit, yet there are concerns regarding the potential health risks resulting from the associated radiation exposure and increase in utilization; the magnitude of the increase has not been fully characterized. Several stakeholders, including federal agencies, have realized that a more comprehensive strategy for radiation exposure data collection is needed. This symposium will explore “why”, “what” and “how” to track exposure from medical diagnostics and consider next steps. For the first time in the ten-year history of the Beebe Symposium, presentations and discussions will be summarized in a National Academies report.

For questions or to RSVP for the event, please call us at 202-334-3066 or by email at NRSB@nas.edu. Seating is limited.

Staff involved in this year’s symposium:

Ourania Kosti, Staff Officer
Toni Greenleaf, Administrative Associate
James Yates, Office Assistant

Sponsored by
Centers for Disease Control and Prevention
U.S. Food and Drug Administration
U.S. Department of Health and Human Services

- 8:25 am **Introduction to Session 4**
Amy Berrington de González - National Cancer Institute
- 8:30 am **4.1: Understanding radiation-induced cancer risks at radiological doses**
David Brenner - Columbia University
- 8:50 am **4.2: Non-cancer effects at radiological doses**
Kiyohico Mabuchi - National Cancer Institute
- 9:10 am **4.3: Patient's perspective**
Gwen Darien- Samuel Waxman Cancer Research Foundation
- 9:25 am **Discussion Session 4**
- 9:45 am **Lessons learned from pediatrics**
Donald Frush - Duke University
- 10:10 am **Panel: Next Steps**
Fred Mettler - University of New Mexico, Hedvig Hricak - Memorial Sloan Kettering, Barbara McNeil - Harvard Medical School, David Brenner - Columbia University, and Donald Frush - Duke University
- 10:25 am **Discussion**
- 11:25 am **Closing Remarks and Adjournment**
Barbara McNeil - Harvard Medical School