

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

Radiation as a Cause of Cardiovascular Disease (CVD) Seventh Annual Gilbert W. Beebe Symposium

Wednesday, December 3, 2008

Keck Center, Room 100, of the National Academies
500 5th Street, Washington, DC 20001

Chairs:

Dr. Sarah Darby, University of Oxford
Dr. Roy Shore, Radiation Effects Research Foundation

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| 8:30–8:45 am | Introduction
Roy Shore, Radiation Effects Research Foundation |
| 8:45–9:10 am | Cardiovascular Toxicity of Radiation Therapy
Edward Yeh, University of Texas MD Anderson Cancer Center |
| 9:10–9:35 am | Pathology of Radiation-Induced Heart Diseases
Luis Fajardo, Stanford University School of Medicine |
| 9:35–10:00 am | Lymphoma and childhood cancer: how radiation therapy can break your heart
Louis Constine, University of Rochester Medical Center |
| 10:00-10:15 am | Discussion |
| 10:15-10:40 am | Break |
| 10:40-11:05 am | Radiotherapy and CVD: Results from the Randomized Trials
Lori Pierce, University of Michigan |
| 11:05-11:30 am | Epidemiological Studies of CVD in Irradiated Breast Cancer Patients
Sarah Darby, University of Oxford |
| 11:30-11:55 am | Detecting Sub-Clinical Myocardial Effects in Irradiated Breast Cancer Patients
Lawrence Marks, University of North Carolina |
| 11:55-12:10 pm | Discussion |
| 12:10-1:10 pm | Lunch |

- 1:10-1:35 pm **What Can Occupational Studies Tell Us About CVD Risks?**
Kiyoo Mabuchi, National Cancer Institute
- 1:35-2:00 pm **Radiation and CVD - Findings from the Atomic Bomb Survivors**
Kazunori Kodama, Radiation Effects and Research Foundation
- 2:00-2:15 pm **Discussion**
- 2:15-2:50 pm **Experimental Radiation-Induced CVD: Mechanisms and Interventions**
Marjan Boerma, University of Arkansas for Medical Sciences
- 2:50-3:15 pm **Mechanisms of radiation-induced vascular damage in the heart**
Klaus Trott, UCL Cancer Institute, University College London
- 3:15-3:30 pm **Discussion**
- 3:30-3:55 pm **Break**
- 3:55-4:20 pm **Public/ Worker/ Patient Health Protection and CVD Radiation Risks**
Fred Mettler, University of New Mexico
- 4:20-4:35 pm **Summary and Future Research Needs**
Sarah Darby, University of Oxford
- 4:35-5:00 pm **Discussion**
- 5:00-5:45 pm **Reception RSVP only**

If you plan to attend the Beebe Symposium and/or the reception, please send an RSVP to Mandi Boykin at nrsb@nas.edu.