

Radiation Countermeasures Symposium



June 15, 2011

Sponsored by the Armed Forces
Radiobiology Research Institute at the
Uniformed Services University
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Introduction

The Radiation Countermeasures Symposium is being held June 15, 2011, on the grounds of the National Naval Medical Center in Bethesda, Maryland.

The conference is sponsored by the Armed Forces Radiobiology Research Institute at the Uniformed Services University. Symposium presenters will:

- Bring together disciplines involved in research and development relevant to radiation countermeasures;
- Present and discuss current scientific data, results and issues;
- Encourage communication among researchers, educators, public health officials, medical personnel and policy-makers involved in responses to radiological incidents.

Contact Symposium Chairman, Dr. Mark H. Whitnall (whitnall@afri.usuhs.mil), or Symposium Officer-in-Charge, CPT Anthony D. Kang (kang@afri.usuhs.mil), to RSVP or learn more about these events.

M.H. Whitnall, PhD
Symposium Chair

Local Organizing Committee

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Credits

Katherine Brown, Graphics
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AGENDA

Radiation Countermeasures Symposium

Wednesday, June 15, 2011
Sanford Auditorium
Uniformed Services University
Bethesda, Maryland

7:30 Registration

8:00 Opening remarks

Christopher R. Lissner, PhD, Scientific Director, AFRRRI, Bethesda, Maryland

8:10 Administrative Remarks

Matthew W. DeShazo, LT, MSC, USN, Department Head, Administrative Services, AFRRRI, Bethesda, Maryland

8:15 Introduction

Mark H. Whitnall, PhD, Program Advisor, Radiation Countermeasures, AFRRRI, Bethesda, Maryland

8:30 Modeling the Effects of Nuclear Weapons in an Urban Setting

Kyle Millage, CHP, PE, Group Leader, Nuclear and Radiation Effects, Applied Research Associates, Inc., Arlington, Virginia

8:55 FDA Perspective on Radiation Countermeasure Development

Alla Shapiro, MD, PhD, Medical Officer, Office of Counter-Terrorism and Emergency Coordination, Center for Drug Evaluation and Research, US Food and Drug Administration, Department of Health and Human Services, Silver Spring, Maryland

9:20 Bacteria and Antibiotics in the Context of the Acute Radiation Syndrome

Thomas B. Elliott, PhD, Research Microbiologist, AFRRRI, Bethesda, Maryland

9:45 Acute Radiation Syndromes and Combined Injury after Mixed-Field Neutron/Gamma Irradiation and Countermeasure Efficacies

G. David Ledney, PhD, Principal Investigator, AFRRRI, Bethesda, Maryland

10:10 Break

10:30 Cytokines in the Treatment of Radiation Injury

Thomas J. MacVittie, PhD, Professor, Departments of Radiation Oncology and Pathology, University of Maryland School of Medicine, Baltimore, Maryland

10:55 NIAID/NIH Radiation/Nuclear Medical Countermeasures Development Program

Bert W. Maidment, PhD, Associate Director, Product Development, Division of Allergy, Immunology and Transplantation, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Department of Health and Human Services, Bethesda, Maryland

11:20 Discovery and Development of Genistein as a Radioprotective Agent

Michael R. Landauer, PhD, Principal Investigator, AFRRRI, Bethesda, Maryland

11:45 Administration of Myeloid Progenitor Cells to Treat the Acute Radiation Syndrome

Vijay K. Singh, PhD, Principal Investigator, AFRRRI, Bethesda, Maryland

12:10 Lunch

1:30 Development of Ex-RAD® as a Radiation Countermeasure

Sanchita P. Ghosh, PhD, Principal Investigator, AFRRRI, Bethesda, Maryland

1:55 Targeting HMG-CoA Reductase for Radioprotection—Past, Present, and Future

Martin Hauer-Jensen, MD, PhD, FACS, Director, Division of Radiation Health, University of Arkansas for Medical Sciences, Little Rock, Arkansas; and K. Sree Kumar, PhD, Research Chemist, AFRRRI, Bethesda, Maryland

2:20 Development of Novel Acute and Delayed Radiation Effects Countermeasures

Alexandra C. Miller, PhD, Senior Scientist, Delayed

Radiation Effects Program Advisor, AFRRRI, Bethesda, Maryland

2:45 Delta-Tocotrienol: Radiation Protection and Effects on Signal Transduction Pathways

Venkataraman Srinivasan, PhD, and Mang Xiao, MD, Principal Investigators, AFRRRI, Bethesda, Maryland

3:10 Break

3:30 Protectan CBLB502 on the “Animal Rule” Path: Efficacy, Mechanism of Action and Human Dose Finding

Andrei V. Gudkov, PhD, DSci, Senior Vice President for Basic Science; Chair, Department of Cell Stress Biology, Roswell Park Cancer Institute; Chief Scientific Officer, Cleveland BioLabs, Inc., Buffalo, New York

3:55 BARDA Radiation Countermeasures Program

Ronald Manning, PhD, Chief, Chemical, Radiological and Nuclear Medical Countermeasures, Division of CBRN Countermeasures, Biomedical Advanced Research and Development Authority, Office of the Assistant Secretary for Preparedness and Response, Department of Health and Human Services, Washington, District of Columbia

4:20 DoD Acquisition Guidelines and Practices for Advanced Development of Radiation Countermeasures

Alan H. Epstein, MD, Senior Medical Radiation Advisor, Chemical Biological Medical Systems-Medical Identification and Treatment Systems, Joint Program Executive Office for Chemical and Biological Defense, Department of Defense, Falls Church, Virginia

4:45 Adjourn

PoC

Chair:
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