

## **National Council on Radiation Protection and Measurements**

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NCRP/M/00/73

November 20, 2000

**To:** Members of the Council

**From:** William M. Beckner  
Executive Director

**Subject:** NCRP Symposium on “21<sup>st</sup> Century Biodosimetry: Quantifying the Past and Predicting the Future”

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Please find enclosed information on the public symposium on “21<sup>st</sup> Century Biodosimetry: Quantifying the Past and Predicting the Future.” The plans for the symposium are being developed by the Program Committee; Julian Preston, Chairman; Richard Albertini, David Brenner, Antone Brooks and James Tucker. The symposium will be held on February 22, 2001 in the Crystal Forum of the Crystal City Marriott in Arlington, Virginia. The Council members are, of course, encouraged and welcome to attend the symposium.

This is the fourth in the NCRP series of public symposia. The first was in 1981 on, *The Control of Exposure of the Public to Ionizing Radiation in the Event of Accident or Attack*. The second, in 1994, dealt with *Radioactive and Mixed Waste – Risk as a Basis for Waste Classification*. The third, in 1996, dealt with *Acceptability of Risk from Radiation – Application to Manned Space Flight*.

We would be pleased to receive any comments you have on this symposium series.

WMB/lja  
Enclosures

cc: Honorary Members

Symposium On  
" 21<sup>st</sup> Century Biodosimetry: Quantifying the  
Past and Predicting the Future"

February 22, 2001

Crystal City Marriott<sup>1</sup>  
1999 Jefferson Davis Highway  
Arlington, Virginia 22202-3564  
(703) 413-5500

ADVANCE REGISTRATION

Please complete and return to NCRP no later than **February 1, 2001**

Name (please print): \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

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E-mail (optional): \_\_\_\_\_

## NEWS RELEASE

FOR IMMEDIATE RELEASE  
November 17, 2000

### *Provisional Program for an NCRP Symposium “21st Century Biodosimetry: Quantifying the Past and Predicting the Future”*

The National Council on Radiation Protection and Measurements (NCRP) released today the provisional program for a symposium. The meeting will be held February 22, 2001 in the Crystal Forum at the Crystal City Marriott, 1999 Jefferson Davis Highway, Arlington, Virginia.

The scientific program for the meeting has been developed by the Program Committee consisting of R. Julian Preston, Chairman; Richard J. Albertini, David J. Brenner, Antone L. Brooks, and James D. Tucker.

The scientific sessions which begin on February 22, 2001 at 8:30 a.m. will have as their theme, *21<sup>st</sup> Century Biodosimetry: Quantifying the Past and Predicting the Future* and will include presentations as follows:

Introduction	R. Julian Preston
Gene Expression Profiles for Monitoring Radiation Exposure	Sally A. Amundson
Quantification of Chromosome Abnormalities Using the Polymerase Chain Reaction	Gino A. Cortopassi
Radiation Exposure Assessment Using Cytological and Molecular Biomarkers	William F. Blakely
Abortive Base Excision Repair of Radiation-Induced Clustered Lesions: A Concern for Risk Assessment?	Susan S. Wallace
Clustered DNA Damages Induced by Low Doses of Ionizing Radiation	Betsy M. Sutherland
Biomarkers of Exposure and Dose: State of the Art	Antone L. Brooks
Validated Biomarker Responses May Influence Medical Surveillance of Individuals Exposed to Genotoxic Agents	Richard J. Albertini
FISH Cytogenetics and the Future of Radiation Biodosimetry	James D. Tucker

Evaluation of Three Somatic Genetic Biomarkers as Indicators of  
Low-Dose Radiation Effects in Cleanup Workers of the Chernobyl Nuclear  
Reactor Accident

Irene M. Jones

Is there the Potential for Biomarkers that are Specific to High-LET Radiation?

David J. Brenner

In addition to all of those having an interest in the subject matter, the NCRP is extending a special invitation to representatives of the 63 Collaborating Organizations and to the more than 300 scientists serving on the Council's scientific committees.

There is no registration fee for the meeting but those attending are asked to register either in advance by notifying the NCRP office or at the meeting reception desk.