

ANNOUNCEMENT

CONFERENCE ON MECHANISMS OF DNA DAMAGE AND REPAIR: IMPLICATIONS TO CARCINOGENESIS AND RISK ASSESSMENT

National Bureau of Standards, Gaithersburg, MD, U.S.A. 3-7 June 1985

This conference will examine mechanisms of DNA damage, including strand breaks (single and double), base alteration or loss, crosslinks within DNA and between DNA and proteins, and covalent and non-covalent binding. The conference will review characteristics of repair enzymes that participate in the preservation of the fidelity of the genetic message through repair of damaged DNA sites, and will also consider how an understanding of the mechanisms of DNA damage and repair might be used for accurate "dosimetry" of hazardous exposure to chemicals, drugs and ionizing radiation.

The conference will consist of eleven sessions in three areas:

Mechanisms of DNA Damage

Kinetics and Mechanisms of Free Radical Damage to DNA; DNA Damage in Cells; DNA Damage by Drugs and Chemicals; DNA Binding Agents.

DNA Repair and Consequences

Repair of Bulky Adducts in DNA; Repair of Alkylation and Oxidative Damaged DNA; Correlations Between DNA Damage, Mutagenesis and Carcinogenesis.

Risk Assessment

Measurement of Exposure to Genotoxic Compounds; Science of Risk Assessment; Foods and Risk Assessment; Risk Assessment and Regulatory Decisions.

Each session will have three to five invited speakers and a few short oral presentations of the latest research findings. Other contributed papers will be presented in poster sessions.

Persons interested in presenting a paper should send in an unfolded abstract before 1 April 1985.

To receive additional mailings on the meeting, contact:

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