

Gordon Research Conference on Mutagenesis

July 20th-25th, 2008

Magdalen College, Oxford, England

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Description: The meeting brought together scientists and clinicians trying to understand the molecular mechanisms of mutagenesis that give rise to genomic instability, rare heritable diseases, neurodegeneration, cancer and aging. During the course of four days, scientific sessions focused on: (i) Mutagenesis Due to Blocked Replication and Transcription; (ii) Consequences of Oxidative Stress; (iii) Recombination Induced Genomic Instability; (iv) Physiological Mutagenesis in the Immune Response; (v) Rare Human Diseases Associated with Genomic Instability, Neurodegeneration and Premature Aging; (vi) Low-fidelity Replication and Cancer; (vii), Mechanisms of Mutagenesis; and (viii) Signaling for repair: avoiding excessive mutagenesis. The underlying goal of the meeting was to identify novel avenues of investigation; to define therapeutic strategies for the maintenance of genomic integrity; to stimulate collaborations; and to foster the long-term development of future studies on rare heritable diseases.

Additional Information: Conference web site:

<http://www.grc.org/programs.aspx?year=2008&program=mutagen>