

NASA Space Radiation Summer School 2012

May 28 – June 15, 2012

Brookhaven National Laboratory

Upton, NY

<http://www.dsls.usra.edu/spacerad/2012/>

Topics Covered Include:

- DNA damage and repair
- Genotoxicity
- Mutagenesis
- Genomic instability
- Epigenetics
- Cell and tissue signaling
- Neurodegeneration
- Systems biology
- Track structure
- Dosimetry
- Accelerator operations
- Space radiation protection
- The space radiation environment
- Physics and biochemistry of charged particle interactions

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