



June 3 – June 21, 2013  
Brookhaven National Laboratory  
Upton, New York  
<http://spaceradiation.usra.edu/nsrss/>

# NASA Space Radiation Summer School - 2013

## 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
- Space radiation environment
- Physics and biochemistry of charged particle interactions