
Lecture Schedule

Lecturer

| | |
|----------------------------|---|
| Azzam, Ed | Non-Targeted Effects-Waiting for Final Version |
| Barcellos-Hoff, Mary Helen | Systems Biology Approaches to Radiation Effects |
| Baulch, Janet | Biology Review |
| Baulch, Janet | Epigenetics |
| Baulch/Guida | Biology Experiment Overview |
| Baulch/Guida | Lab Day |
| Bedford, Joel | Radiosensitivity and Cell Cycle |
| Bedford, Joel | Chromosome Rearrangements |
| Blakely, Bill | Biomarkers and Biodosimetry |
| Blakely, Ellie | Heavy Partical Therapy |
| Blakely, Ellie | Cataracts |
| Boothman, David | Radiation-Induced Cell Signaling |
| Borak, Thomas | What is Radiation |
| Borak, Thomas | Introduction to Radiation Dosimetry |
| Borak, Thomas | Principles of Radiation Protection |
| Borak, Thomas | Radiation Interactions With Matter |
| Borak/Heilbronn | Radiation Detection Methods |
| Cucinotta, Frank | Chemical Kinetics in Systems Biology |
| Cucinotta, Frank | NSRL Simulation (GERM Code) |
| Cucinotta, Frank | Radiation Quality and Risk Models |
| Demaria, Sandra | Haematopoietic and Immune Response |
| Fike, John | Neurogenesis |
| Fike, John | Radiation Effects on Neurons and Stem Cells |
| Goodhead, Dudley | Track Structure |

Lecturer

| | |
|---------------------|--|
| Guida, Peter | Flow Cytometry |
| Guida, Peter | Flow Cytometry Lab |
| Hall, Eric | Radiobiology 1 |
| Hall, Eric | Radiobiology 2 |
| Heilbronn, Lawrence | Heavy Ions and Shielding Physics, including Neutrons |
| Heilbronn, Lawrence | Physics Homework and Problems |
| Held, Kathy | Dose Responses, LET and RBE |
| Joiner, Michael | Effects on Embryo, Fetus, Transgenerational |
| Joiner, Michael | Dose Rate Effects |
| Kennedy, Ann | Acute Effects |
| Kirsch, David | Transgenic Models and New Imaging Approaches |
| Krenek, Sam | NASA's Mission and Roadmap |
| Kronenberg, Amy | Apoptosis |
| Kronenberg, Amy | Mutagenesis |
| Lowenstein, E | Accelerators |
| Nelson, Greg | Microgravity Effects |
| Nelson, Greg | Tool Kit Practical |
| Nelson, Greg | Physics Tool Kit |
| Nelson, Greg | Beam Time Proposals |
| Nelson, Greg | Space Flight Measurements |
| Nelson/Cucinotta | Review Time |
| Obanion, Kerry | Cardiovascular Effects |
| Obanion, Kerry | CNS Effects |
| Oneill, Patrick | Space Radiation Environment - 1 |
| Oneill, Patrick | Space Radiation Environment - 2 |
| Oneill, Peter | Oxidative stress |

Lecturer

| | |
|----------------------|---|
| Oneill, Peter | Radiation Chemistry and DNA Damage |
| Plante | Track Structure Simulations |
| Pluth, Janice | DNA Damage Lab |
| Randers-Pehrson | High/Low LET Microbeams |
| Rusek, Adam | Lab Day - NSRL (pt 2) |
| Rusek, Adam | NSRL Dosimetry |
| Rusek/Guida | Lab Day - NSRL with Beam Time |
| Rusek/Guida | Experimental Plan for Tomorrow |
| Schimmerling, Walter | Space Radiation Protection |
| Shay, Jerry | Biological Countermeasures for Radiation Protection |
| Shay, Jerry | 3D Cell Culture Models |
| Story, Michael | Omics Technologies |
| Weil, Michael | Genetics of Animal Studies |
| Weil, Michael | Leukemia |
| Williams, J | Model Systems Late Effects, Cancer |
| Wilson, Paul | DNA Repair |
| Zeitlin, Cary | Accelerator Physics and Space Simulation |