

Tuesday, February 11, 2014  
CANCER NSCOR I  
1:00 p.m. Expo Hall A3

**Chairs:** Walter Schimmerling  
Michael Weil

- 1:00 p.m. Barcellos-Hoff M. H. Adams C. Balmain A. Costes S. V. Demaria S. Illa-Bochaca I. Mao J. H. Ouyang H. Sebastiano C. Tang J.  
[\*The Contribution of Non-Targeted Effects in HZE Cancer Risk\*](#) [#3320]  
The NYU/LBNL/UCSF NSCOR provides experimental and modeling studies to define the efficiency and physiological context in which high LET radiation increases epithelial cancer risk. We hypothesize that both targeted and non-targeted effects contribute to radiation carcinogenesis.
- 1:30 p.m. Ullrich R. L. Weil M. M. Story M. D. Yu Y. Y. Vargas G. Nilsson C. Emmett M. R.  
[\*The NASA Specialized Center in Radiation Carcinogenesis\*](#) [#3026]  
This presentation will describe current results for studies examining risks and mechanisms of radiation-induced acute myeloid leukemia and hepatocellular carcinoma in C3H mice following exposure to HZE ions.
- 2:00 p.m. Suman S. Founace A. J. Jr. Datta K.  
[\*Exposure to <sup>56</sup>Fe Radiation Induces Persistently Increased Serum Levels of Known Colorectal Cancer Biomarkers in C57BL/6J Mice\*](#) [#3318]  
Persistent changes in insulin-like growth factor 1 (IGF1), leptin, adiponectin, and associated receptors were observed after 1.6 Gy <sup>56</sup>Fe radiation in mice. Our results could have implications for space radiation-related colorectal carcinogenesis.
- 2:30 p.m. BREAK