

Abstract Submitted  
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**Monitoring DNA double strand breaks repair proteins before and after gamma-irradiation** SALIM ABDISALAAM, University of Texas at Arlington — In this study, different fluorescence techniques (FCS, RICS and FRAP) are used to study kinetics and dynamics of DNA double strand breaks repair proteins before and after gamma-irradiation of mammalian cells. Diffusion and binding constants were obtained by fitting with different physical models. This work presents similarities and differences in double strand break repair response between gamma-irradiation versus laser damage.

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