

PNNLs integrated systems biology approach to understanding the effects of exposure to low doses of ionizing radiation

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In this presentation we will update our characterization of the 3D human skin model system for studying the effects of exposure to low doses of ionizing radiation. This will include genomic, proteomic and metabolomic modifications in the 3D human skin model system after exposure to low doses of ionizing radiation. In addition we will update our strategies for integrating all the omics data on low dose radiation effects, and outline our roadmap for accomplishing our future goals and define our research milestones and deliverables.