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Title: Apoptosis is Signalled Early by Low Doses of Ionizing Radiation in a Radiation-Induced Bystander Effect

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Highlights

- Molecular mechanisms involved in the production of a radiation induced bystander effect are not well known.
- We investigate gene expression changes in apoptotic genes in both direct and bystander responses.
- We demonstrate initiation of the apoptotic cascade in a bystander response.
- Lower doses reveal a specific but differential response related to apoptosis compared to higher doses

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