Radon

Radioactive decay

$^{218}\text{Po}$ $^{214}\text{Po}$

Radon progenies negatively charged attached to natural aerosols

Alpha-particle emission

Generation of ROS

- DNA sequence mutations
- Effects in neighboring non-irradiated cells
- DNA copy number alterations

Changes in DNA methylation

- Alteration of CpG methylation status

Genomic Instability

Epigenetic Changes