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| **CANCER 7**  **DNA DAMAGE AND REPAIR**  Professor Nigel Gooderham  *Learning objectives*   * Describe how DNA can be damaged by radiation or chemicals (carcinogens) and the role metabolism can play in these reactions. * Outline in general terms the role of p53 in the detection of, and response to, DNA damage. * Summarise the natural repair mechanisms for damaged DNA. * Explain how unrepaired or misrepaired DNA damage can become “fixed” as a mutation. * Summarise how the potential of a chemical/agent to damage DNA can be assessed. |
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