

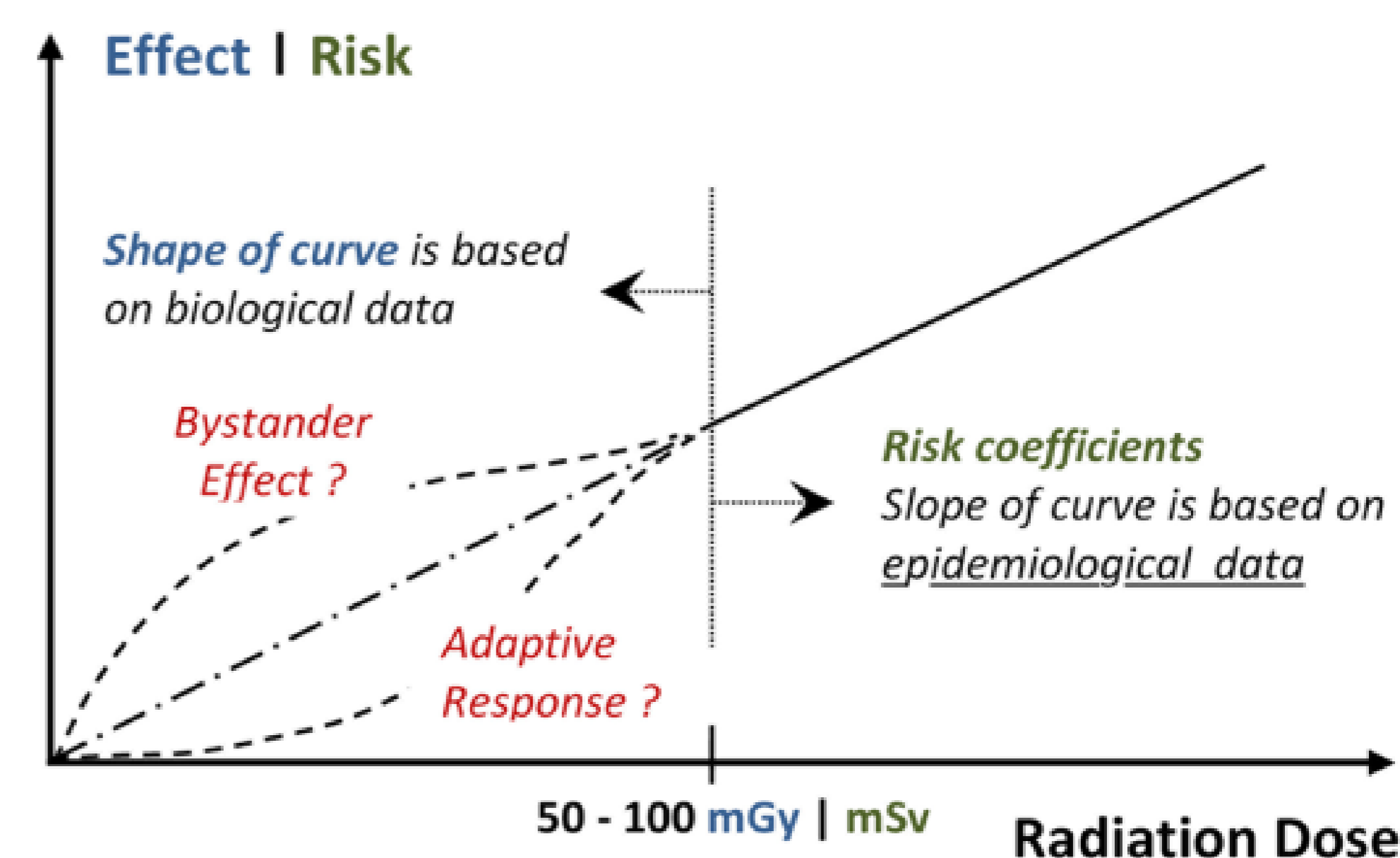
Working Group “Radiation Biology and Radiation Risk” (AKS)

in the German-Swiss Association for Radiation Protection



The working group addresses the following main topics

- Biological background of the concepts of radiation protection (DDREF, LNT, dose limitations etc.)
- Genetic and epigenetic effects in radiation biology
- Individual radiation sensitivity
- Non-targeted effects in radiobiology

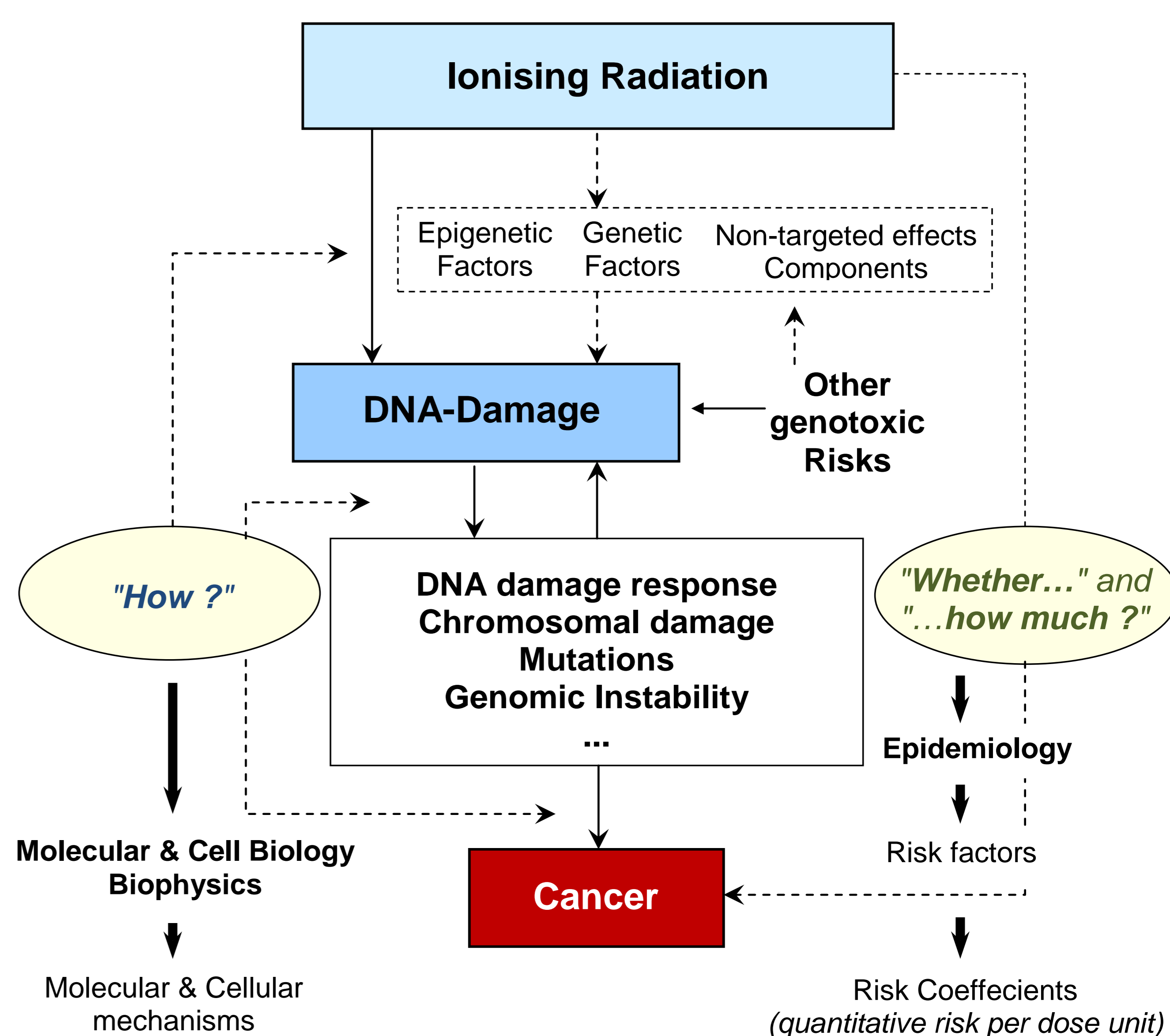


The AKS is a panel of experts within the German-Swiss Association for Radiation Protection dealing with the impact of radiation biology research on estimates of radiation risks and on general concepts of radiation protection. The AKS is a platform to discuss current aspects of radiation biology and their relevance to radiation protection providing summaries and conclusions to all other working groups of our association. Hence, the AKS is basically linking radiation research to applied radiation protection. The AKS also publishes comments on reports about human health effects associated to exposure of ionising radiation.

Essentially, all members of the AKS are active researchers in the field of radiation biology and in parallel participate in national committees or advisory boards related to radiation protection issues.

Current issues are

- Scientific justification of the dose and dose-rate effectiveness factor (DDREF)
- Risks and mechanisms of radiation induced cardiovascular diseases
- Evaluation of scientific evidence for a link between chronic lymphatic leukaemia (CLL) and exposure to IR
- Evaluation of the concept of deterministic radiation damage
- Biological Dosimetry after incorporation of radionuclides in a large-scale release scenario



If you are interested in our activities contact one of our members or the secretary:

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