

# Genetics in presymptomatic diagnostics and prevention of cancer

- To whom and under what conditions is it possible to offer genetic testing (genetic / ethical limitations)
- Reasons of presymptomatic testing, clinical consequences of obtained genetic
- Usual type of inheritance in hereditary cancer syndromes
- Approaches of genetic analyses used in presymptomatic diagnostics
- Definition of hereditary cancer syndrome, some examples of them (typical predisposing genes)
- Characterization of typical cancer predisposition genes – their role in cell biology
- Rationalization of the differences between hereditary and sporadic forms of carcinoma