

AG Tumorbiochemie

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New model systems

Germline mutations in genes of the nucleotide excision repair system are also linked to the development of melanomas, as they give rise to the tumor predisposition syndrome Xeroderma pigmentosum (XP). Together with colleagues from the structural biology, we are investigating the functional effect of different hereditary mutants in the NER helicase XPD on melanoma biology and therapy responsiveness. For this purpose, we have generated different melanocyte and melanoma model cell lines representing different XP mutations.

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Link: <https://www.med.uni-wuerzburg.de/msnz/research-projects/joint-projects/>