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**Dynamic recognition and verification of DNA lesions by the NER pathway
in chromatin**

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Dissertation

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von

Nina Kaczmarek

aus

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Promotionskomitee

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Artikel1:

Regulation of Nucleotide Excision Repair by UV-DDB: Prioritization of Damage Recognition to Internucleosomal DNA

Artikel2:

The ubiquitin-dependent segregase VCP/p97 modulates nucleotide excision repair efficiency

Artikel3:

Dissection of the Xeroderma Pigmentosum Group C Protein Function by Site-directed Mutagenesis

Artikel4:

Dynamic two-stage mechanism of versatile DNA damage recognition by xeroderma pigmentosum group C protein

Artikel5:

Strand- and site-specific DNA lesion demarcation by the xeroderma pigmentosum group D helicase

Artikel6:

DNA quality control by a lesion sensor pocket of the xeroderma pigmentosum group D helicase subunit of TFIIH