



## Assessment of nucleotide excision repair protein binding forces by atomic force microscopy and optical trapping

By Kevin Mader

GRIN Verlag Sep 2007, 2007. Taschenbuch. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Neuware - Scientific Study from the year 2007 in the subject Biology - Genetics / Gene Technology, printed single-sided, grade: A, Boston University, course: Biophysics, 31 Literaturquellen entries in the bibliography, language: English, abstract: DNA is under constant repair from the damage being done from sources such as UV radiation, mutagenic chemicals, and errors made by the cell's DNA replication mechanisms. The ability for a cell to identify and repair the damaged DNA is crucial for the cell to be able to successfully function and replicate. On a systemic scale the repair is essential for maintaining long term genomic stability. When these pathways fail the usual response is for the cell to die but in some instances the damage is done in a region that causes the cell to become carcinogenic. The DNA repair enzymes are responsible for finding and correcting these mistakes. There are many different types of damage that can be done to DNA ranging from dimerization to depurination. Each of these types of damage requires a slightly different repair mechanism. The specific type of damage that...



**READ ONLINE**  
[ 2.98 MB ]

### Reviews

*The ebook is simple in read easier to recognize. It is one of the most awesome book we have read through. I am happy to explain how this is basically the finest pdf we have read inside my very own lifestyle and may be he finest publication for actually.*

-- **Jaiden Turcotte DDS**

*The book is fantastic and great. This is for anyone who statte there was not a worthy of reading. I found out this publication from my i and dad advised this pdf to learn.*

-- **Pete Paucek DVM**