

Special Issue

Recent Molecules Research of DNA Repair and DNA Damage

Message from the Guest Editor

The DNA damage accumulation and altered DNA damage response clearly underlie several human pathologies, namely various kinds of cancer. In addition, DNA damage and DNA repair play a role in degenerative diseases as well. Furthermore, DNA damage accumulation and changes in DNA repair may occur in the physiological ageing. This Special Issue of the *International Journal of Molecular Sciences* on “Recent Molecules Research of DNA Repair and DNA Damage”, supervised by Dr. Vodička Pavel (Charles University, Czech Republic) and assisted by Dr. Eylül Bankoglu (University of Wuerzburg, Germany), aims to understand DNA damage/DNA repair in humans and their potential implications to pathologies. These comprise (a) the interindividual, intersex and between age groups differences in DNA damage/DNA repair, (b) the differences in various organs (target versus first-pass organs), (c) the role of DNA damage/DNA repair in the etiology of proliferative versus degenerative diseases, (d) possible inducibility of DNA repair proteins and adaptive response, (e) the role of genetics and epigenetics on DNA repair.

Guest Editor

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