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Low Template DNA: New Trends in Genotyping

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Message from the Guest Editor

The possibility of recovering DNA from degraded samples became a promising technique for paleontology, archaeology, zoology, microbiology, and even forensics. Degraded and/or scarce DNA could be isolated, amplified, and sequenced applying specific protocols for very degraded genetic material. Laboratory protocols, implemented according to the circumstances and the special biochemistry of degraded DNA, also helped to detect possible contamination with exogen DNA. There are new strategies can sequence in parallel thousands or even millions of DNA fragments from a given biological sample, from forensic remains, or traces of microorganisms from the soil.

The Special Issue welcomes short communications, reviews, or original articles where new research casework or laboratory strategies for degraded and/or scarce DNA typing are shown. The scope ranges from human identification of forensic remains to microorganism metagenomics, and from ancient DNA typing of extinct species to diagnosis of diseases from the past.









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