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Article

Impact of Short-Term Exposure to Non-Functionalized Polystyrene Nanoparticles on DNA Methylation and Gene Expression in Human Peripheral Blood Mononuclear Cells

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Table S1. Primers for Methylation analyses

Gen	Forward Methylated DNA (MF)	Reverse Methylated DNA (MR)	Forward Unmethylated DNA (UF)	Reverse Unmethylated DNA (UR)
TP53 (P53)	CAACGATTTTCCCGAACTA	GGGTTGGGAGTGTGTTTTTTAT	GGGTTGGGAGTGTGTTTTTTAT	CAACAATTTTCCCAAACTAAAA
CDKN1A (P21)	TACGCGAGGTTTCGGGATCG	AAAAACGACCCGCGCTCG	TATGTGAGGTTTTGGGATTGG	AAAAACAACCCACACTCAACC
CDKN2A (P16)	TTCGAGTATTCGTTTACGGC	TTCTTCCTCCGATACTAACGA	TTTTTTGAGTATTTGTTTATGGT	CTTTCTTCCTCCAATACTAACAAA
CCND1	AGTTTTTAGAGGGTTGTCGGC	CTCTCGCTTCTACTACCCCG	GGAGTTTTTAGAGGGTTGTTGGT	CTCTCACTTCTACTACCCCAC
BCL2	TTAATTCGGGTTAGGGAGC	CGACCGATTTCCTATACGTA	TTTTTAATTTGGGTTAGGGAGT	ACCCAACCAATTTCCTATACATA
BCL6	GTTTTGTTATAGCGAAGGCGTC	AAAATTCCGATTCGAAACTCG	GAGTTTTGTTATAGTGAAGGTGTT	AAAATTCCAATTCAAAACTCAAA

Table S2. Primers for expression analyses

Gene	**Forward Primer 5’-3’**	**Reverse Primer 5’-3’**
TP53 (p53)	GCTCAAGACTGGCGCTAAAA	GTCACCGTCGTGGAAAGC
CDKN1A (p21)	TGTCTTGTACCCTTGTGCCTC	TGGTAGAAATCTGTCATGCTGGT
CDKN2A (p16)	CACATTCATGTGGGCATTTC	TGCTTGTCATGAAGTCGACAG
CCND1	GAGGAGCTGCTGCAAATGGA	GGAGGGCGGATTGGAAATGA
BCL2	AGTACCTGAACCGGCACCT	GCCGTACAGTTCCACAAAGG
BCL6	TCAGATTCTAGCTGTGAGAACGGG	GGCAGCGGTCACACTTGTAG
GAPDH	AGCCACATCGCTCAGACAC	GCCCAATACGACCAAATCC
RPL0	TCTACAACCCTGAAGTGCTTGAT	CAATCTGCAGACAGACACTGG
RPL13	CAAGCGGATGAACACCAAC	TGTGGGGCAGCATACCTC