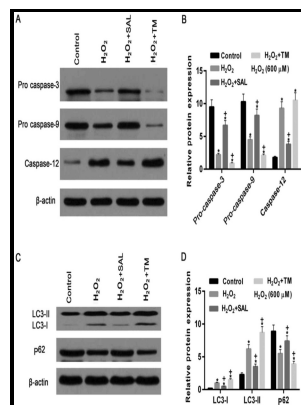


Characterisation of altered gene expression in response to Oxidative stree in HepG2 cells

University of Birmingham - Altered expression of base excision repair genes in response to high glucose



Description: -

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Tags: #Changes #in #gene #expression #induced #by #polycyclic #aromatic #hydrocarbons #in #the #human #cell #lines #HepG2 #and #A549

Characterization of hepcidin response to holotransferrin in novel recombinant TfR1 HepG2 cells

Edges are displayed with various labels that describe the nature of the relationship between the nodes. In conclusion, our data suggest that CR-LAAO possesses higher binding affinity to HepG2 tumor cells than to PBMC, its genotoxic mechanism is possibly caused by the oxidative stress related to the production of H₂O₂, and is also capable of modulating genes related to the DNA repair system and antioxidant pathways. C1q-bearing immune complexes induce IL-8 secretion in human umbilical vein endothelial cells HUVEC through protein tyrosine kinase- and mitogen-activated protein kinase-dependent mechanisms: evidence that the 126 kD phagocytic C1q receptor mediates immune complex activation of HUVEC.

Altered expression of base excision repair genes in response to high glucose

The effect of NF-κB inhibition on IL-8 secretion in HepG2 cells. For high glucose treatment, the culture media was supplemented with 30 mM glucose. Hence, quercetin together with the other flavonoids detected in the leaf extract might possibly work by a similar mechanism.

Glucose 6

The funders had no role in study design, data collection and analysis, decision to publish, or preparation of the manuscript. ATIII belongs to the serpin peptidase inhibitor SERPIN family, the largest and most diverse family of protease inhibitors.

Altered global gene expression profiles in human gastrointestinal epithelial Caco2 cells exposed to nanosilver

The antioxidant-rich leaf extract of T.

A comparative proteomic analysis for capsaicin

Saksida A, Duh D, Wraber B, Dedushaj I, Ahmeti S, Avsic-Zupanc T. Additionally, level of BACH-1 specific miR 98 was found to be inversely proportional to the levels of BACH-1 mRNA. Similarly the level of glutathione was also increased.

Investigation into the effects of antioxidant

Studies have reported that plasma membrane compartments rich in cholesterol may participate in signal transduction pathways activated upon oxidative stress, and thus enhance pro survival pathways, while cholesterol depletion appears to increase apoptosis in the oxidative stress-induced cells. Interestingly, this study also reported increased serum levels of IL-2 receptor, and our data showed 7.

Altered expression of base excision repair genes in response to high glucose

Midilli K, Gargili A, Ergonul O, Elevli M, Ergin S, Turan N, et al.

A comparative proteomic analysis for capsaicin

Funding: This work was supported by a grant from the Canadian Institutes of Health Research grant 143521 and the Public Health Agency of Canada. GenBank ID Protein Gene name Fold change leaf-treated vs. Members of this family are suggested to play an important role in psoriasis pathogenesis and showed up-regulated expression in psoriatic lesional skin, thus suggesting its pathogenic role in this disease.

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