

Supplementary Material

Secretion of interleukin-6 by bone marrow mesenchymal stem cells promotes metastasis in hepatocellular carcinoma

Table S1 Quantification of IL-6 secretion by Bel-7402	
Growth factor	pg/48h/10 ⁵ cells (mean \pm SEM)
IL-6	26 \pm 3.68

Table S1. Concentration of Bel-7402-secreted IL-6. The culture medium was collected 48 h after seeding. The quantification of IL-6 was performed by ELISA assay according to the manufacture's instruction. The result was expressed by mean \pm SEM from at least three independent measurements.

Fig.S1

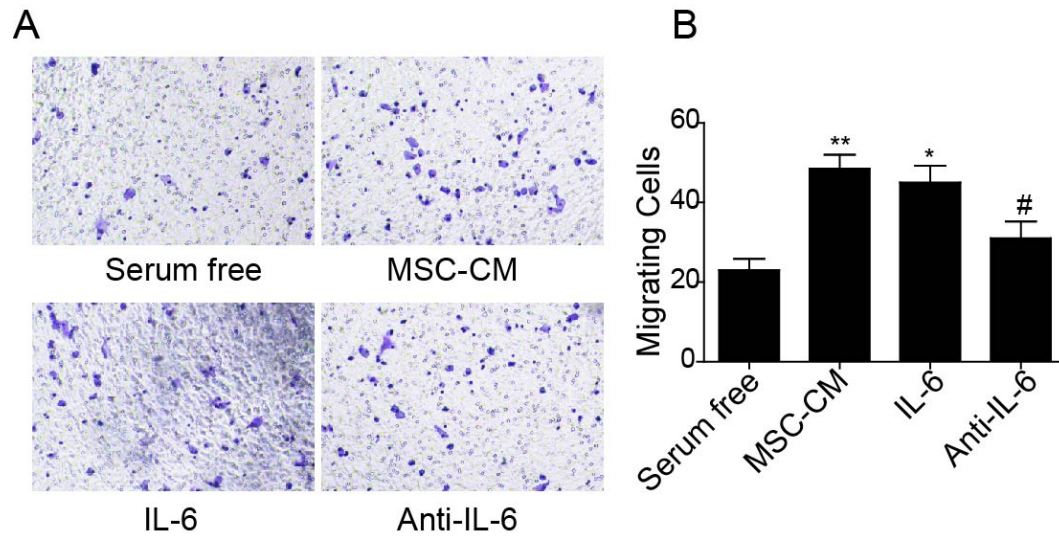


Figure S1. Anti-IL-6 antibody reduces Bel-7402 cell invasion. (A) Representative images of invading Bel-7402 cells that treated as indicating. BMSC-CM and recombinant IL-6 promote Bel-7402 cell invasion. Anti-IL-6 antibody significantly reduced cell invasion of BMSC-CM pretreated Bel-7402 cells. (B) The calculated number of invading cells. Data were expressed by mean \pm SEM from triplicates. #P<0.01, compared to BMSC-CM treated cells; *P<0.05, **P<0.01, compared to serum free medium treated cells.

Fig.S2

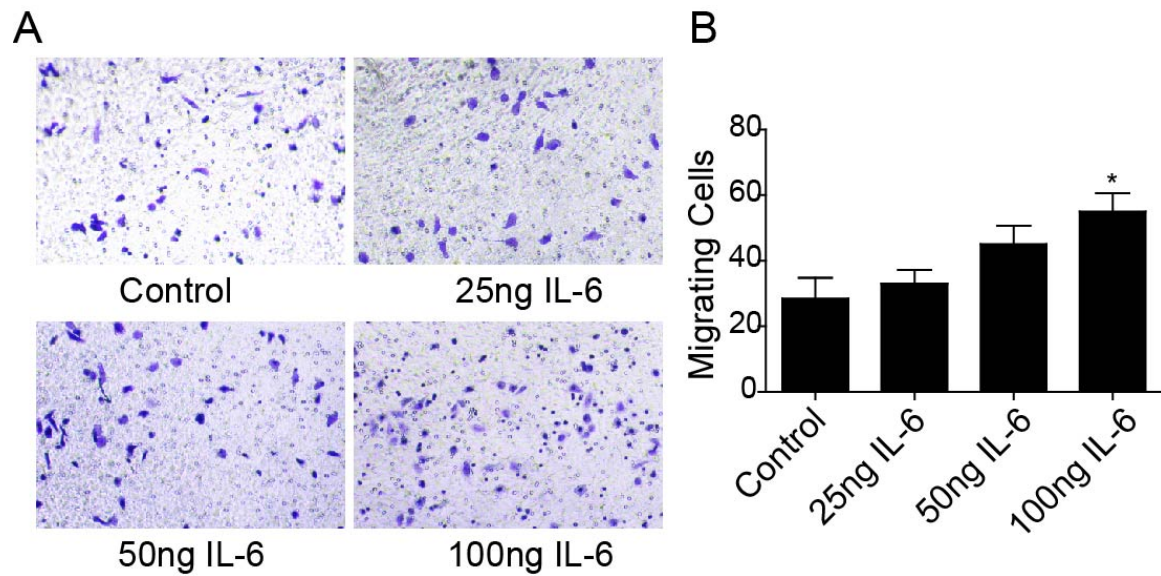


Figure S2. Recombinant IL-6 promotes HepG2 cell invasion in a dose-dependent manner. (A) Representative images of invading HepG2 cells that treated by different levels of recombinant IL-6. At a concentration of 100 ng, IL-6 significantly promotes the invasion of HepG2 cells. (B) The calculated number of invading cells. Data were expressed by mean \pm SEM from triplicates. * $P < 0.05$, compared to serum free medium treated control cells.