

## Publications

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A blood-based three-gene signature for the non-invasive detection of early human hepatocellular carcinoma.

Shi M, Chen MS, Sekar K, Tan CK, Ooi LL, Hui KM.

***Eur J Cancer***. 2014. In Press.

Isolation and elution of Hep3B circulating tumor cells using a dual-functional herringbone chip.

Peng Xue, Kai Ye, Jie Gao, Yafeng Wu, Jinhong Guo, Kam M. Hui, Yuejun Kang. (Joint corresponding authors).

***Microfluidics and Nanofluidics***; 2014 (in press).

A paper-based microfluidic electrochemical immunodevice integrated with amplification-by-polymerization for the ultrasensitive multiplexed detection of cancer biomarkers.

Yafeng Wu, Peng Xue, Kam M Hui, Yuejun Kang. (Joint corresponding authors).

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Paper-based microfluidic electrochemical immunodevice integrated with nanobioprobes onto graphene film for ultrasensitive multiplexed detection of cancer biomarkers.

Wu Y, Peng X, Kang Y, Hui KM.

***Anal Chem***. 2013; 85(18):8661-8.

Systemically delivered measles virus-infected mesenchymal stem cells can evade host immunity to inhibit liver cancer growth.

Ong HT, Federspiel MJ, Guo CM, Ooi LL, Russell SJ, Peng KW, Hui KM.

***Ann Oncol***. 2013 59(5):999-1006.

Potential role of signal transducer and activator of transcription (STAT)3 signaling pathway in inflammation, survival, proliferation and invasion of hepatocellular carcinoma.

Subramaniam A, Shanmugam MK, Perumal E, Li F, Nachiyappan A, Dai X, Swamy SN, Ahn KS, Kumar AP, Tan BK, Hui KM, Sethi G. (Joint corresponding authors)

***Biochim Biophys Acta- Reviews on Cancer***. 2013; 1835(1):46-60.

Preclinical evaluation of transcriptional targeting strategy for human hepatocellular carcinoma in an orthotopic xenograft mouse model.

Sia KC, Huynh H, Chung AY, Ooi LL, Lim KH, Hui KM, Lam PY.

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Yulyana Y, Endaya BB, Ng WH, Guo CM, Hui KM, Lam PY, Ho IA.

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An anthraquinone derivative, emodin sensitizes hepatocellular carcinoma cells to TRAIL induced apoptosis through the induction of death receptors and downregulation of cell survival proteins.

Subramaniam A, Loo SY, Rajendran P, Manu KA, Perumal E, Li F, Shanmugam MK, Siveen KS, Park JI, Ahn KS, Hui KM, Kumar AP, Sethi G.

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Human bone marrow-derived mesenchymal stem cells suppress human glioma growth through inhibition of angiogenesis.

Ho IA, Toh HC, Ng WH, Teo YL, Guo CM, Hui KM, Lam

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The innovative evolution of cancer gene and cellular therapies.

Lam P, Khan G, Stripecke R, Hui KM, Kasahara N, Peng KW, Guinn BA.

***Cancer Gene Ther*. 2013; 20(3):141-9.**

The deactivation of signal transducer and activator of transcription-3 activation signaling by emodin inhibits growth and induces apoptosis in orthotopic hepatocellular carcinoma model.

Subramaniam A, Shanmugam MK, Ong TH, Li F, Perumal E, Chen L, Vali S, Abbasi T, Kapoor S, Ahn KS, Kumar AP, Hui KM, Sethi G. (Joint corresponding authors)

***Br J Pharmacol*. 2013; 170(4):807-21.**

Comprehensive detection of cancer gene expression profiles and gene networks are impacted by the choice of pre-processing algorithm and gene-selection method.

Baskaran N, Kwoh CK, Hui KM.

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***PLoS One*. 2013;8(3):e57015.**

MicroRNA-216a/217-induced epithelial-mesenchymal transition targets PTEN and SMAD7 to promote drug resistance and recurrence of liver cancer.

Xia H, Ooi LL, Hui KM.

***Hepatology*. 2013; 58(2):629-41.**

Highly specific and ultrasensitive graphene-enhanced electrochemical detection of low-abundance tumor cells using silica nanoparticles coated with antibody-conjugated quantum dots.

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MiR-214 targets  $\beta$ -catenin pathway to suppress invasion, stem-like traits and recurrence of human hepatocellular carcinoma.

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Ursolic acid inhibits the initiation, progression of prostate cancer and prolongs the survival of TRAMP mice by modulating pro-inflammatory pathways.

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Ursolic acid inhibits multiple cell survival pathways leading to suppression of growth of prostate cancer xenograft in nude mice.  
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