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**Manuscript Type:** ORIGINAL ARTICLE

### *Basic Study*

**Identification of key genes for controlling cancer stem cell characteristics in gastric cancer**

Huang C *et al.* Key genes for controlling gastric cancer stem cell characteristics

Chao Huang, Ce-Gui Hu, Zhi-Kun Ning, Jun Huang, Zheng-Ming Zhu

### **Abstract**

#### **BACKGROUND**

Self-renewal of gastric cancer stem cells (GCSCs) is considered to be the underlying cause of the metastasis, drug resistance and recurrence of gastric cancer (GC).

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Background: **Stem cells** characterized by self-renewal and therapeutic resistance play crucial roles in bladder **cancer** (BLCA). However, the **genes** modulating the maintenance and proliferation of BLCA **stem cells** are still unclear. In this study, we aimed to characterize the expression of **stem cell**-related **genes** in BLCA. Methods: The mRNA expression-based stemness index (mRNAsi) of The Cancer

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## Identification of key genes controlling breast cancer stem ...

<https://pubmed.ncbi.nlm.nih.gov/32050983>

Background: With the gradual unveiling of tumour heterogeneity, **cancer stem cells** (CSCs) are now being considered the initial component of tumour initiation. However, the mechanisms of the growth and maintenance of breast cancer (BRCA) **stem cells** are still unknown. Methods: To explore the crucial **genes** modulating BRCA stemness **characteristics**, we combined the **gene** expression value and ...

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## Identification of key genes and pathways in gastric signet ...

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Feb 26, 2020 · Diffuse type is generated by poorly cohesive **cells** without gland formation and is frequently referred to as gastric signet ring cell carcinoma (GSRCC). GSRCC is a histologic diagnosis based on microscopic **characteristics** as the presence of signet ring **cells** in over 50% of the **cancer cells** by the World Health Organization. These classification ...

Author: Zi-Tong Zhao, Yang Li, Hong-Yu Yuan, ... Publish Year: 2020

## Identification of Biomarkers for Controlling Cancer Stem ...

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Introduction

Materials and Methods

Results

Discussion

Da



Bladder cancer (BLCA) is one of the most common cancers worldwide and results in ~150,000 deaths each year. The prognosis of patients with invasive BLCA is still very poor. Approximately 30% of cases of invasive BLCA are associated with occult distant metastasis at the time of diagnosis, leading to a



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