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Manuscript Type: ORIGINAL ARTICLE

Basic Study

Pivotal role of long non-coding ribonucleic acid-X-inactive specific transcript in regulating immune checkpoint programmed death ligand 1 through a shared pathway between miR-194-5p and miR-155-5p in hepatocellular carcinoma

Atwa SM *et al.* Pivotal role of XIST in regulating immune checkpoint PD-L1 through a shared pathway between miR-194-5p and miR-155-5p in HCC

Sara M Atwa, Heba Handoussa, Karim M Hosny, Margarete Odenthal, Hend M El Tayebi

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Immune-checkpoint proteins, such as PD-1 and its ligand **PD-L1**, can tightly regulate the activation or repression of the functions of T cells and influence the cancer **immune** response. The most relevant ncRNAs involved in **regulating** the PD-1/**PD-L1 pathway** are included in Fig. 3b

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Author: Le Zhang, Xiaonan Xu, Xiulan Su

Publish Year: 2020

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Jun 11, 2018 · Long non-coding RNA CTA sensitizes osteosarcoma cells to doxorubicin through inhibition of autophagy. PubMed Central. Wang, Zhengguang; Liu, Zhendong; Wu, Song. 2017-01-01. Recently, several long non-coding RNAs (lncRNAs) have been implicated in osteosarcoma (OS). However, the regulatory roles of lncRNAs in chemotherapy resistance of OS still remain unclear.

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Serum **programmed** cell **death** protein-1 (PD-1) and **programmed death ligand-1** (PD-L1) levels were compared with healthy controls and with serum cytotoxic T-lymphocyte-associated antigen 4 (CTLA-4) and tumor necrosis factor-alpha (TNF-α) levels in order to understand the **role** of PD-1/PD-L1 axis in cats with mammary **carcinoma**.

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Jun 11, 2018 · **Long non-coding** RNA CTA sensitizes osteosarcoma cells to doxorubicin **through** inhibition of autophagy. PubMed Central. Wang, Zhengguang; Liu, Zhendong; Wu, Song. 2017-01-01. Recently, several **long non-coding** RNAs (lncRNAs) have been implicated in osteosarcoma (OS). However, the regulatory roles of lncRNAs in chemotherapy resistance of OS still remain unclear.

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TGF-β-induced **long non-coding** RNA MIR155HG promotes the progression and EMT of laryngeal squamous cell **carcinoma** by **regulating** the **miR-155-5p**/SOX10 axis. Int J Oncol. 2019 Jun;54(6):2005-