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Role of non-coding RNAs in pathogenesis of gastrointestinal stromal tumors

Stefanou IK *et al.* LncRNAs and GISTs

Ioannis K Stefanou, Maria Gazouli, Georgios C Zografos, Konstantinos G Toutouzas

Abstract

Gastrointestinal stromal tumors (GISTs) are considered the model solid malignancies of targeted therapy after the discovery of imatinib effectiveness against their tyrosine kinase inhibitors. Non-coding RNAs are molecules with no protein coding capacity that play crucial role to several biological steps of normal cell proliferation and differentiation

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Long **non-coding RNAs (lncRNAs)** are an abundant **RNA** species that belong to the competing **endogenous RNA network**, which serves a critical **role** in the development, diagnosis and progression of diseases. Using chip technology, the current study analyzed the expression of lncRNAs in paired **normal gastric tissues**, primary **gastrointestinal stromal tumor (GIST)** tissues and GIST tissues ...

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