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## The Role of Long Noncoding RNAs in Glioblastoma: What the Neurosurgeon Should Know

Genaro Rodriguez Villa<sup>1</sup>, Ennio Antonio Chiocca

<sup>1</sup> Department of Neurosurgery, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts, USA.

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## Abstract

A significant proportion of the human transcriptome, long noncoding RNAs (IncRNAs) play pivotal roles in several aspects of glioblastoma (GBM) pathophysiology including proliferation, invasion, radiation and temozolomide resistance, and immune modulation. The majority of IncRNAs exhibit tissue- and tumor-specific expression, lending them to be attractive targets for therapeutic translation. In recent years, unprecedented progress has been made toward our understanding of IncRNA in GBM. In this review, we discuss the function of IncRNAs, including specific IncRNAs that have critical roles in key aspects of GBM pathophysiology, and potential clinical relevance of IncRNAs for patients with GBM.

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