

# 多种RNA分子在肿瘤热疗研究中的进展

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**Title:** The progress of various RNA molecular in tumor hyperthermia research

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**关键词:** 肿瘤; 热疗; mRNA; 微小RNA; 长链RNA

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**摘要:** 随着热疗技术的发展和进步,热疗在肿瘤治疗领域发挥重大作用。RNA分子运载着基因和调控信息,并能反映细胞的实时状态,因此敏感特异性的RNA分子在临床精准医疗中显得尤为重要。关键RNA分子在肿瘤细胞热疗中的特异性表达,一方面可以揭示肿瘤热疗的分子机制,另一方面也作为肿瘤预后和诊断的重要标记。

**Abstract:** With the development of heat treatment technology,the problem such as temperature control,distribution and measurement has been resolved gradually,tumor hyperthermia will also play a major role.RNA for carrying information and can reflect the cell gene regulation and real-time state,using the sensitive specific RNA molecule markers in clinical precision medical is great important.The key RNAs show a specific expression in tumor cells treated by hyperthermia,which can reveal the molecular mechanism of tumor therapy,can also be used as biomarkers in tumor prognosis and diagnosis.

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