

溶瘤麻疹病毒抗肿瘤治疗“瓶颈”与破解对策

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Title: Challenges and strategies of oncolytic measles virus

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摘要: 在肿瘤基因治疗领域, 具有自我复制、能选择性杀伤肿瘤的溶瘤病毒已成为抗肿瘤治疗的有效武器之一。其中溶瘤麻疹病毒因其拥有极好的安全记录和优秀的抗癌效果目前已经进入多项临床试验阶段。但是仍存在一些因素会影响溶瘤麻疹病毒成功治疗肿瘤, 研究者们正在努力寻找对策以期破解这些瓶颈, 使溶瘤麻疹病毒更好的发挥溶瘤作用。

Abstract: Replication-competent oncolytic viruses selectively infect and kill malignant cells, which have been proved as potent anticancer weapon in clinical therapy. Due to its excellent safety records and therapeutic efficacy, oncolytic measles virus has been investigated in several clinical trials to treat advanced cancer patients. However, there are some challenges for oncolytic measles viruses limit their oncolytic efficacy in cancer therapy. Many studies provide theoretical basis and/or novel strategies for oncolytic viral therapy against malignancies.

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