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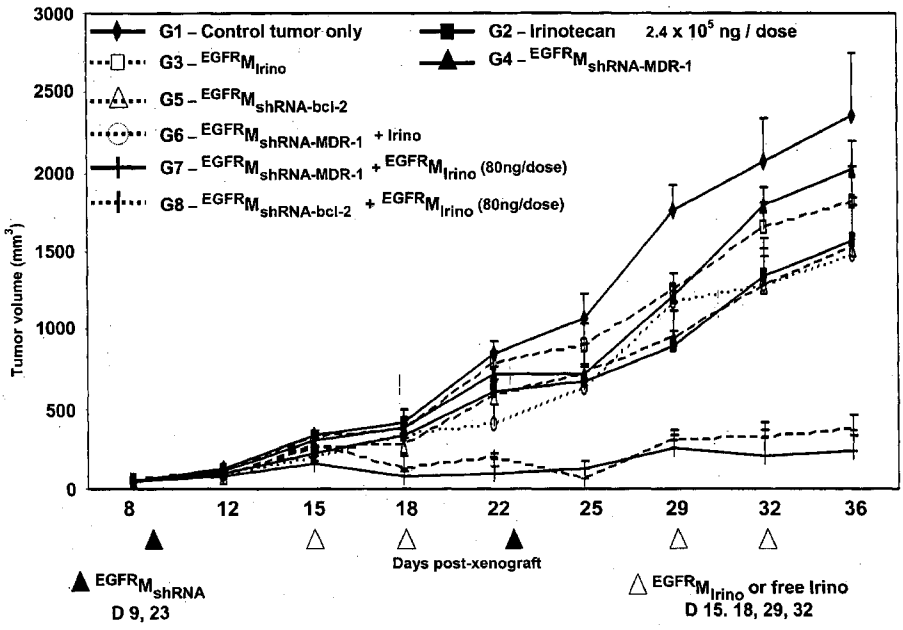
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(54) Title: DELIVERING FUNCTIONAL NUCLEIC ACIDS TO MAMMALIAN CELLS VIA BACTERIALLY DERIVED, INTACT MINICELLS



(57) Abstract: Intact bacterially derived minicells containing functional nucleic acids or plasmids encoding functional nucleic acids can reduce, in targeted mammalian cells, drug resistance, apoptosis resistance, and neoplasticity, respectively. Methodology that employs minicells to deliver functional nucleic acids, targeting the transcripts of proteins that contribute to drug resistance or apoptosis resistance, *inter alia,* can be combined with chemotherapy to increase the effectiveness of the chemotherapy.

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