drug resistance in cancer an overview pubmed central pmc - 2 3 drug efflux one of the most studied mechanisms of cancer drug resistance involves reducing drug accumulation by enhancing efflux members of the atp binding cassette abc transporter family proteins enable this efflux and are important well studied regulators at the plasma membranes of healthy cells, cancer drug resistance cancerquest - one of the main causes of failure in the treatment of cancer is the development of drug resistance by the cancer cells this is a very serious problem that may lead to recurrence of disease or even death, breakthrough technique combats cancer drug resistance - the ability for cancer cells to develop resistance to chemotherapy drugs known as multi drug resistance remains a leading cause for tumor recurrence and cancer metastasis but recent findings offer hope that oncologists could one day direct cancer cells to turn off their resistance capabilities, tumour stem cells and drug resistance medscape - drug resistance in cancer cells cancer cells can acquire resistance to chemotherapy by a range of mechanisms including the mutation or overexpression of the drug target inactivation of the drug or elimination of the drug from the cell, cancer cells send signals boosting survival and drug researchers at university of california san diego school of medicine report that cancer cells appear to communicate to other cancer cells activating an internal mechanism that boosts resistance to common chemotherapies and promotes tumor survival, breakthrough may combat cancer cells resistance to - researchers in the usa have developed a new technique to combat the resistance of cancer cells to chemotherapy drugs the findings are published in the journal nature communications the ability of cancer cells to develop resistance to chemotherapy drugs known as

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