

Improving the delivery of biologics to solid tumors with a bottom-up, multi-scale systems pharmacological analysis of sequence combinations

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Pavillon Jean-Coutu

Her talk addresses one of the major continuous challenges in combination chemotherapy in cancer patients which is the inadequate delivery and target site penetration of anticancer drugs to solid tumors. To date, the dose-, time-, and sequence-dependence of combination therapies have been established empirically. This presentation describes a successful example of the use of a bench-to-bed side, systems pharmacological approach for optimization of sequence treatment of a tumor priming agent (small molecule) to enhance the penetration and efficacy of a subsequent monoclonal antibody (large molecule).