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*Research article*

## **Utilizing temporal variations in chemotherapeutic response to improve breast cancer treatment efficacy**

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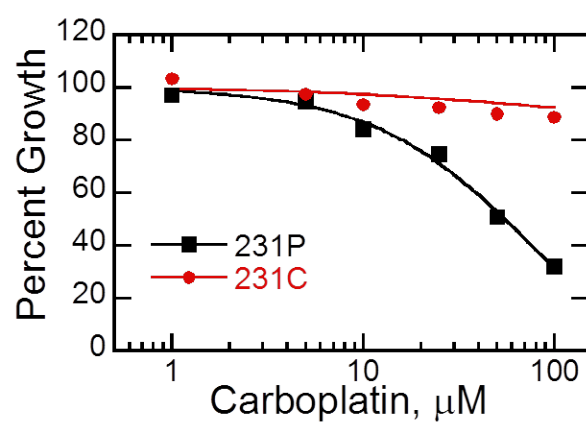
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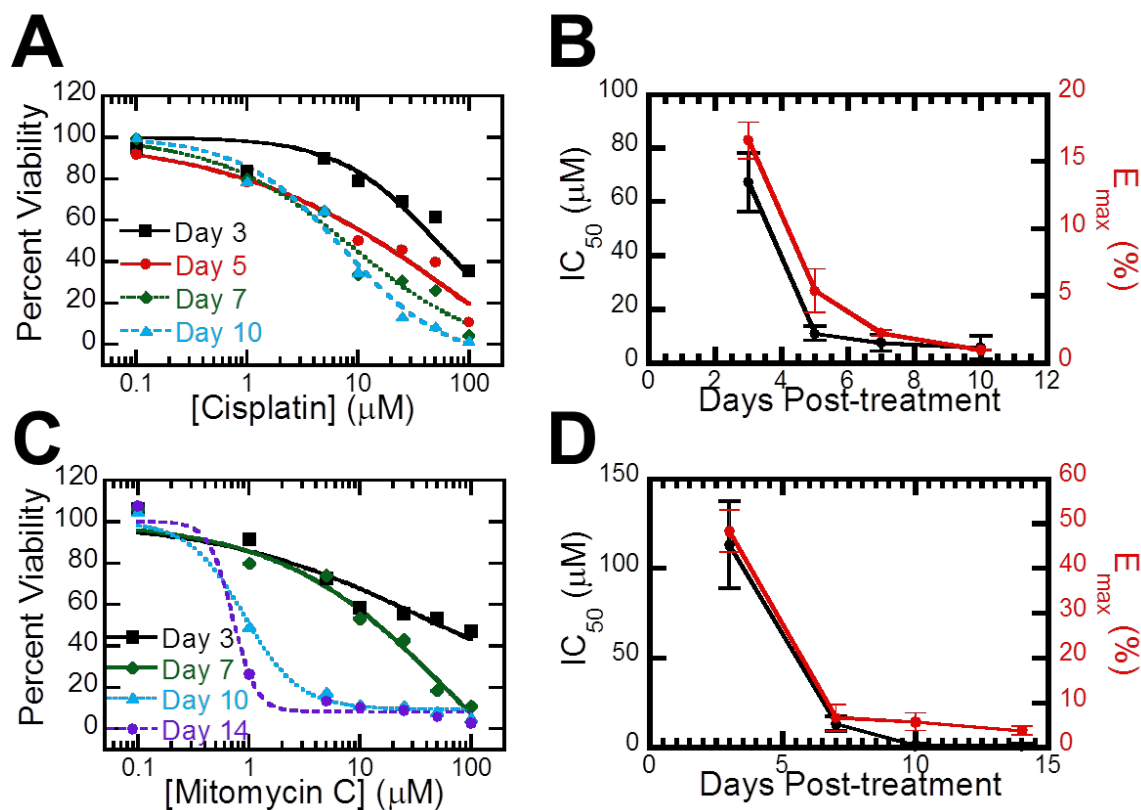
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### **Supporting Information**



**Figure S1.** Viability of carboplatin-resistant MDA-MB-231 (231C) compared to parental MDA-MB-231 cells (231P) in response to carboplatin. Cells were treated with carboplatin for 24 hours and then analyzed on day 5.



**Figure S2.** Time-dependent viability of MDA-MB-231 cells treated with DNA cross-linkers for 24 hours before returning to growth media until indicated time for analysis, replacing media every 3 days as required. **(A,C)** Dose-response viability curves for cisplatin (A) and mitomycin C (C). **(B,D)** Quantification of concentration to induce cell viability by 50% ( $\text{IC}_{50}$ ) and max effect ( $E_{\text{max}}$ , the bottom asymptote of viability curve) over evaluation period for respective drugs.