ANEUPLOIDY HELPS CANCER. HOW?

Cancer is an uncontrolled cell proliferation. Aneuploid cells are slow dividing, yet aneuploidy is a hallmark of cancer, especially after chemotherapy. How can that be? J. M. Reploglea et al. (PNAS) have found experimental proof of an explanation which is a simple and intuitive. Chemotherapy drugs act on proliferating cells; aneuploid cells lag behind in G1 and remain safe (□). The slow proliferation rate and the great variability of aneuploid cells ensure high drug resistance.