

A genome-forward approach to tackling drug-resistant cancers

If you really want to understand why a particular human cancer resists treatment, you have to be able to study that tumor — really study it — in a way that just isn't possible in humans. Cancer biologists have been developing a new approach to this challenge, by transplanting human cancers directly from patients to mice whose crippled immune systems will allow those human tissues to grow.

According to research published in the Cell Press publication *Cell Reports* on September 19th, this new approach permits analysis of human cancer in unprecedented detail. The new work shows that those transplanted cancers, known as PDX (for patient-derived xenografts), are very good genomic replicas of the original at every level of analysis.

Read the full, original story here: [A Genome-Forward Approach to Tackling Drug-Resistant Cancers](#)