POWERING PRECISION PRESCRIPTIONS

the problem

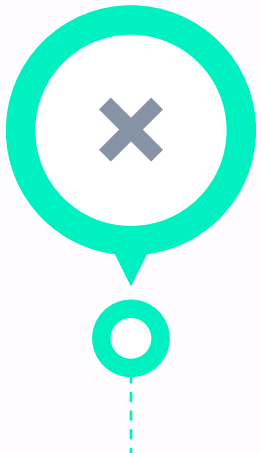
PEOPLE HAVE HIGHLY VARIABLE RESPONES TO DRUGS

cost

Adverse drug events
$1 billion / year
Poor efficacy
multibillion

failure

Many people poorly react to drug therapy or do not see benefit



loss

The impact of poor drug effectiveness and safety on society
>**$1,000,000,000,000**

one size does not fit all

Percentage of the patient population for which a particular drug is NOT effective

Anti-Depressants (SSRI's)	38%
Asthma Drugs	40%
Diabetes Drugs	43%
Arthritis Drugs	50%
Alzheimer's Drugs	70%
Cancer Drugs	75%

From Spear and Huff et al. Trends Mol Med 2001 Clinical application of pharmacogenetics

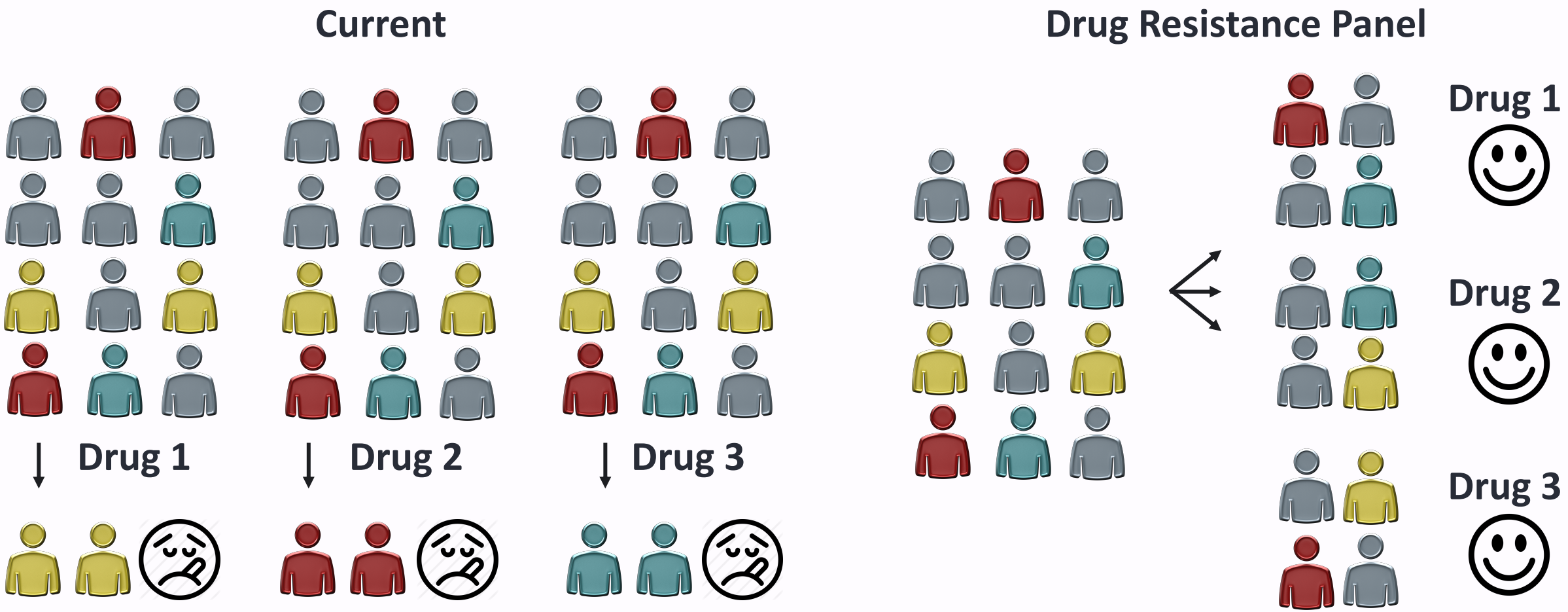
the solution

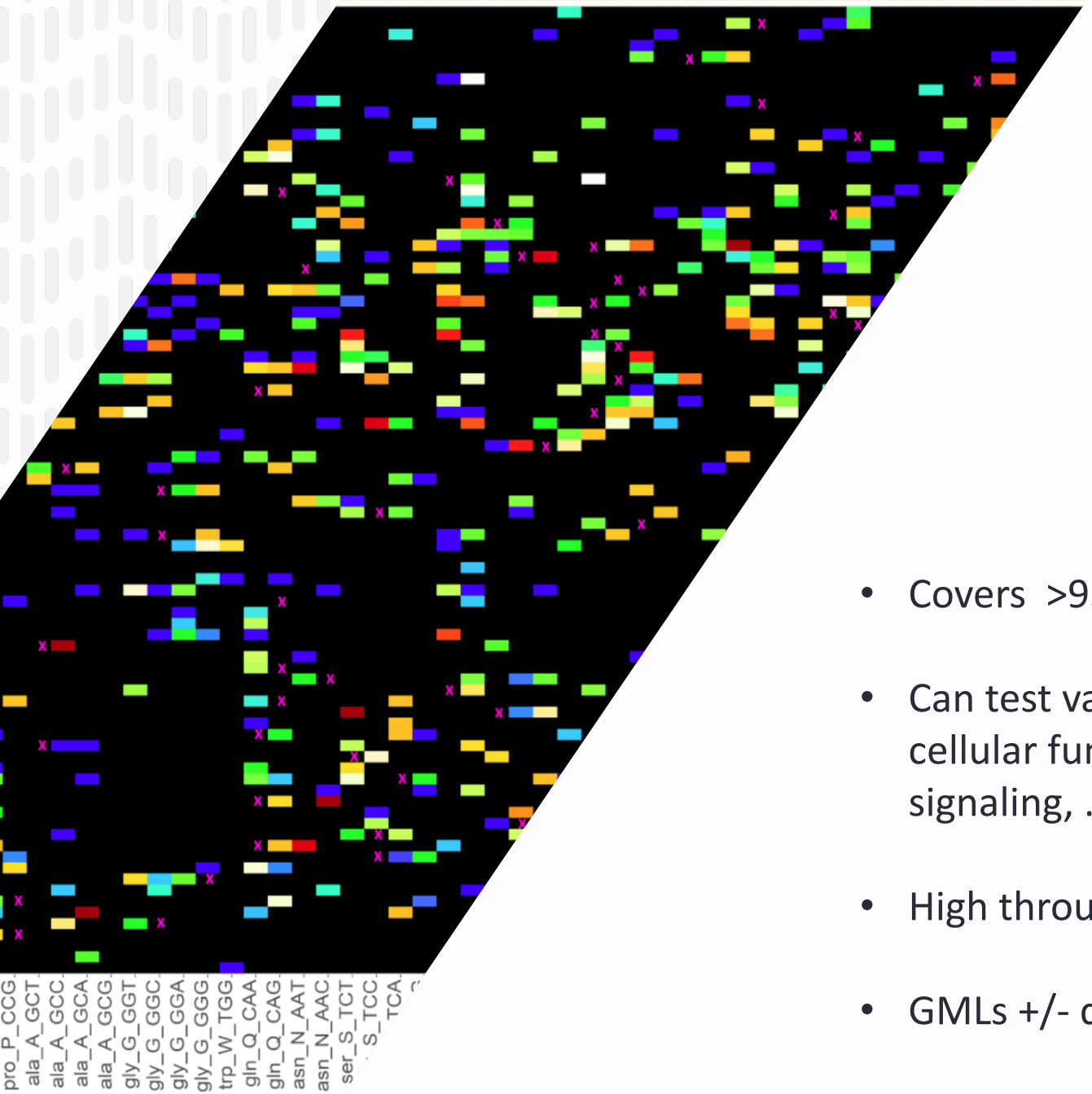
POWERING PRECISION PRESCRIPTIONS

WE OFFER

- *Higher yield companion diagnostics*
- *Improved efficacy with drug resistance gene panels*
- *Improved drug safety with reduced ADEs*
- *Improved drug dosing with CYP panels*

resistance panels for better companion diagnostics





OUR UNIQUE ADVANTAGE

GigaAssay

- Covers >95% of all single amino acid substitutions (variants)
- Can test variants with any human reporter systems for any cellular function: transcription, cell division, cell death, cell signaling, ….
- High throughput – 100,000s of measurements
- GMLs +/- drug identifies all resistance mutations in target gene

heligenics

connecting mutations to health

https://heligenics.com/

https://www.linkedin.com/company/heligenics-inc/?viewAsMember=true

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