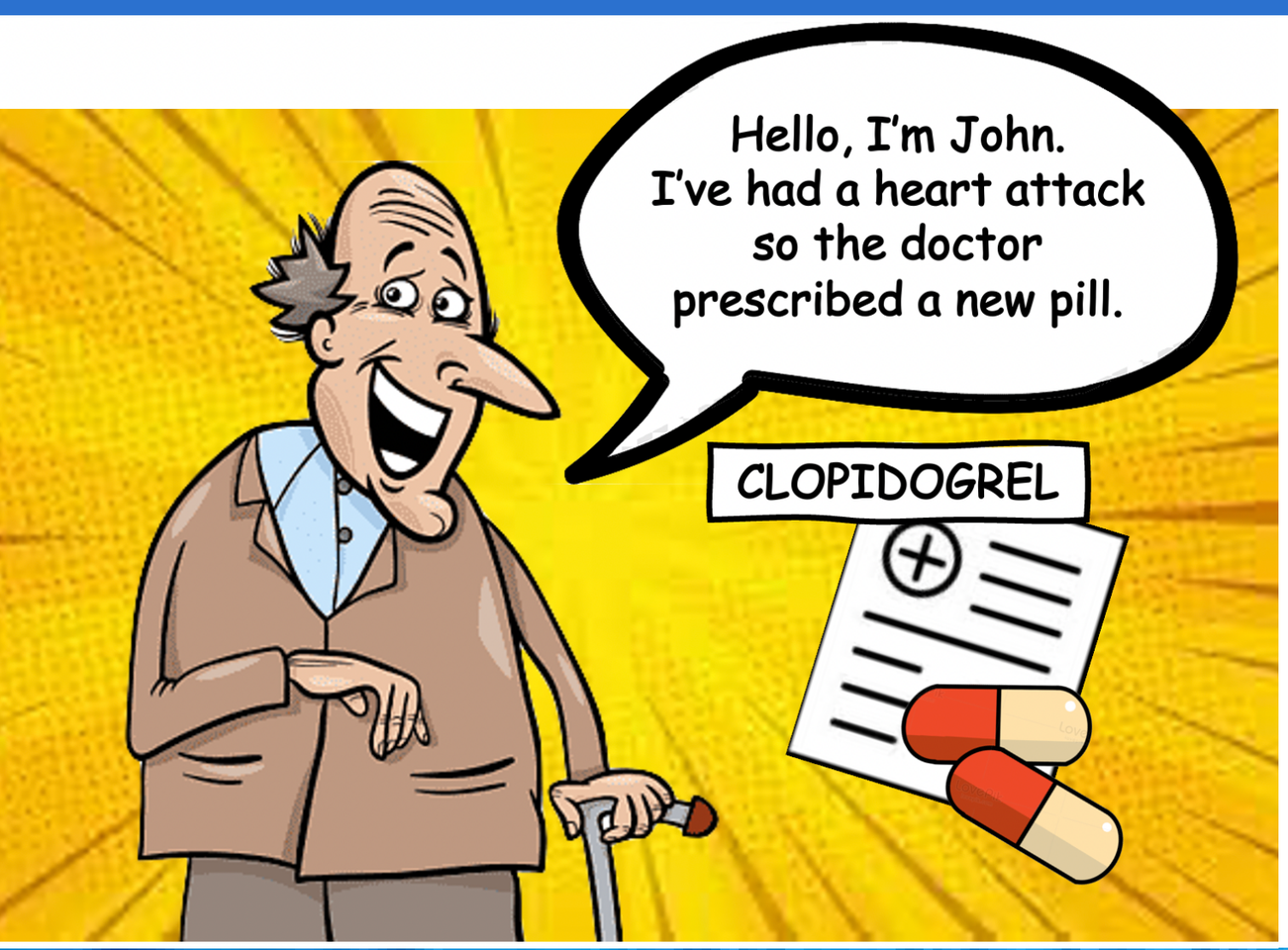
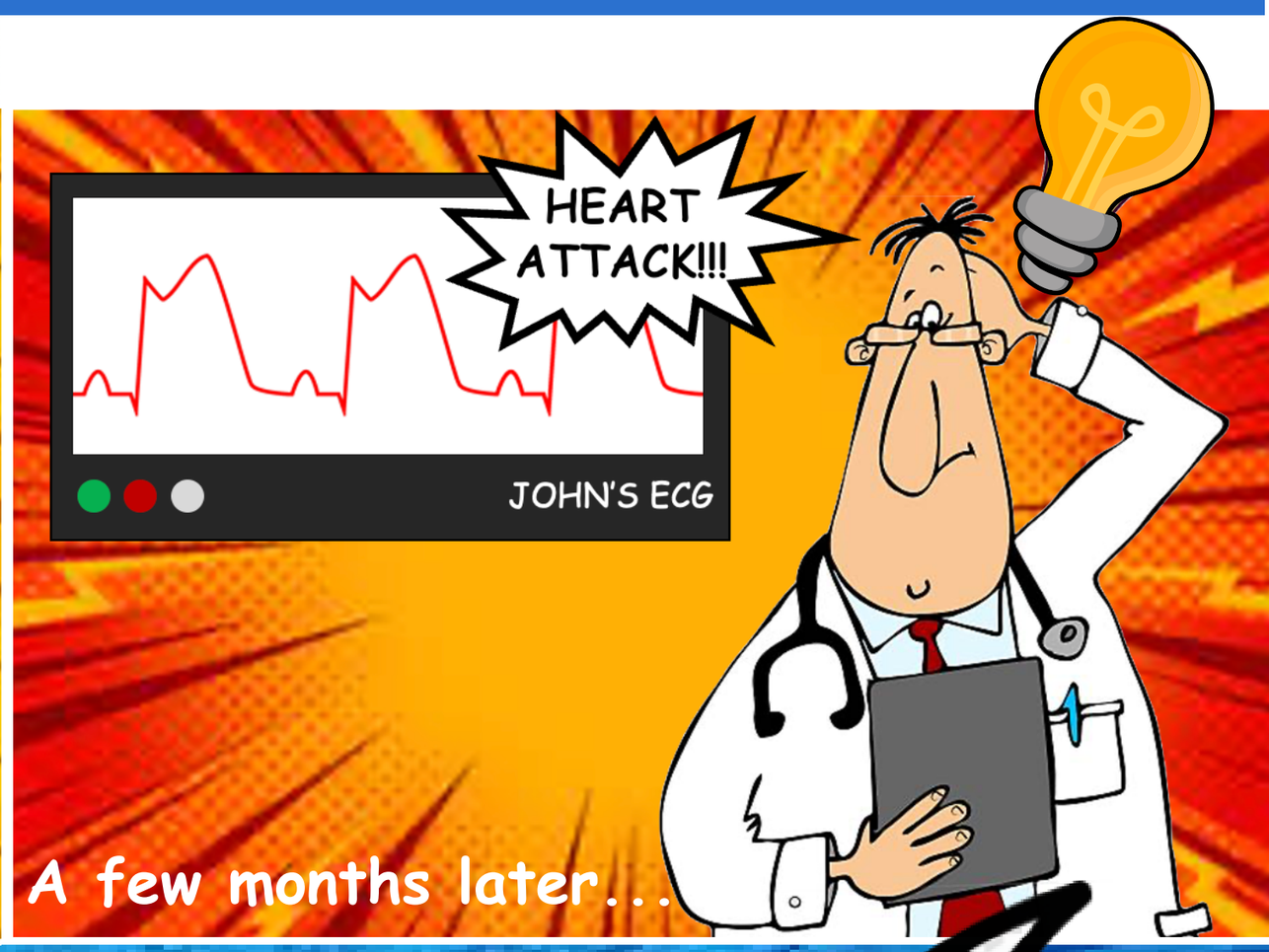
WORLD SMART MEDICATION DAY

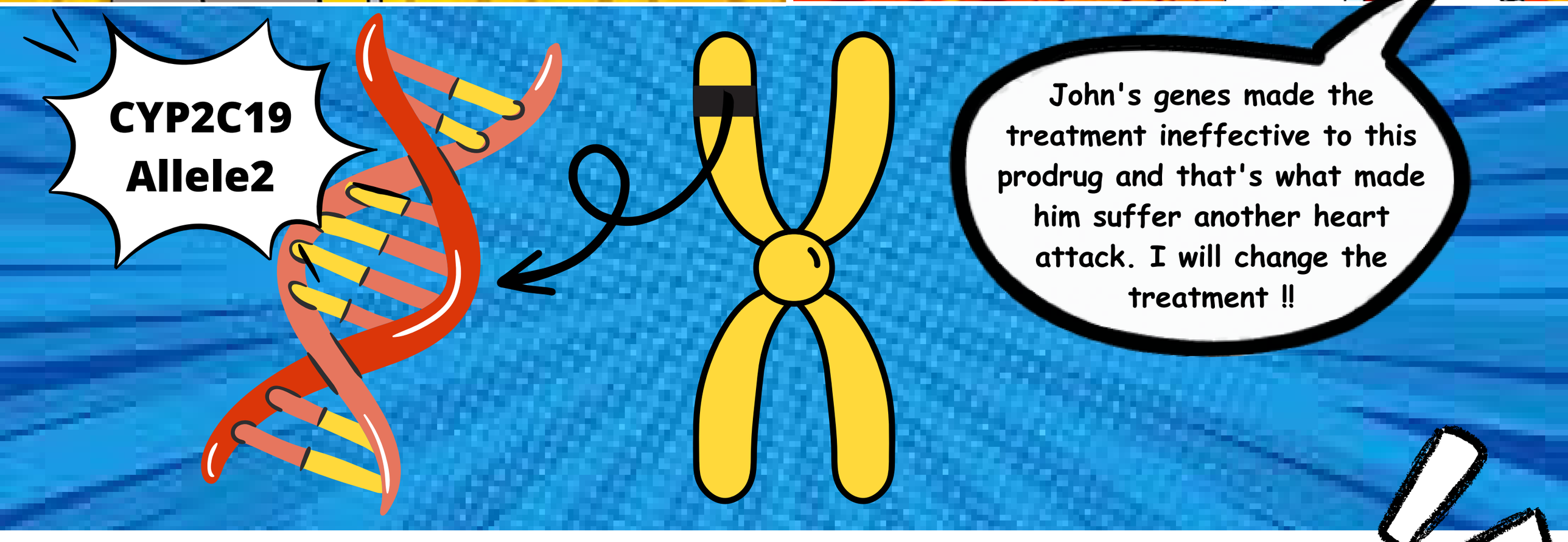
PHARMACOGENOMICS

Precision medicine

"30-60% of the most commonly used medications do not achive the desired therapeutic effect"







PHARMACOGENOMICS = PHARMACOLOGY + GENOMICS

Different human genomes lead to different responses to medicines

The main goal is to define a custom drug treatment for each patient based on their genetic profile, ...

...to identify biomarkers in order to select the right dose and duration of the treatment...

...and to prevent side effects due to an increased or a lower pharmacological effect caused by different genomes.

The access to pharmacogenomics studies by the patient's bedside would mean a hopeful approach to individualized therapies and precision medicine

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