

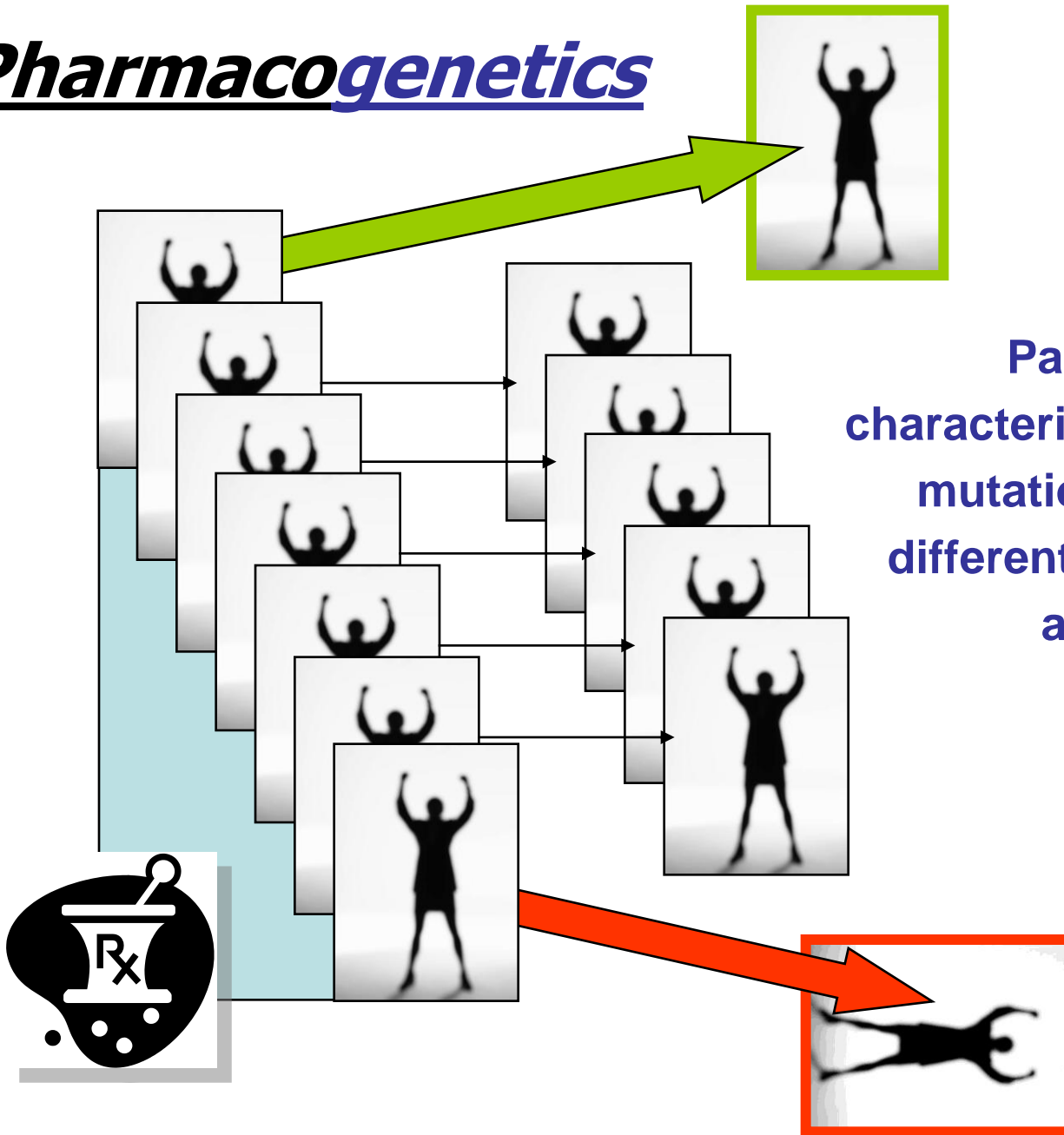
First Faculty of Medicine



# Notes: Introduction to pharmacogenomics

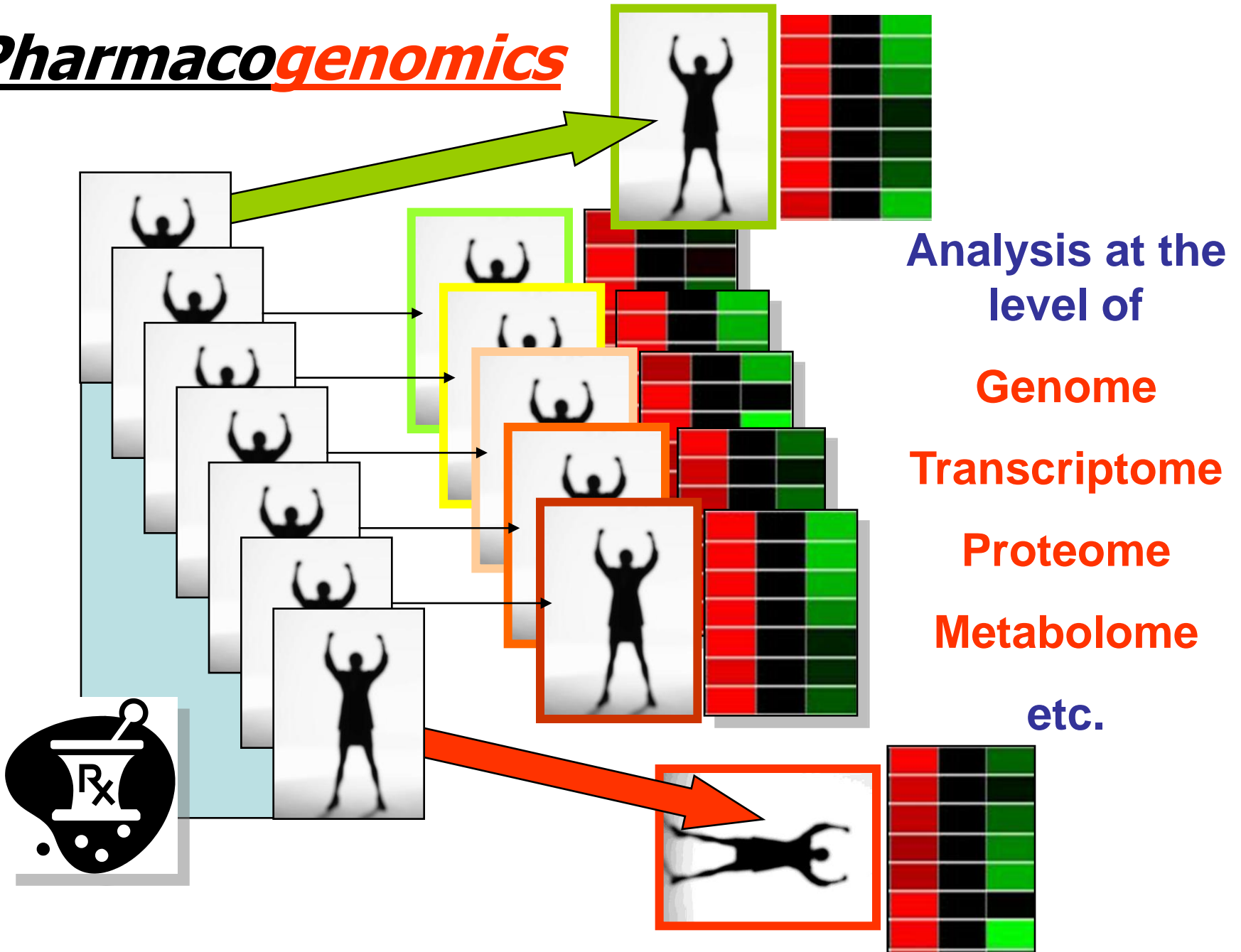
Ondřej Šeda, Lucie Šedová

# Pharmacogenetics

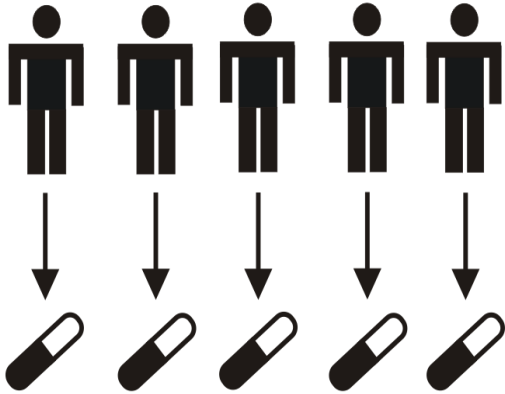


**Particular genetic characteristics (polymorphisms, mutations) underlying the differential response to drug administration**

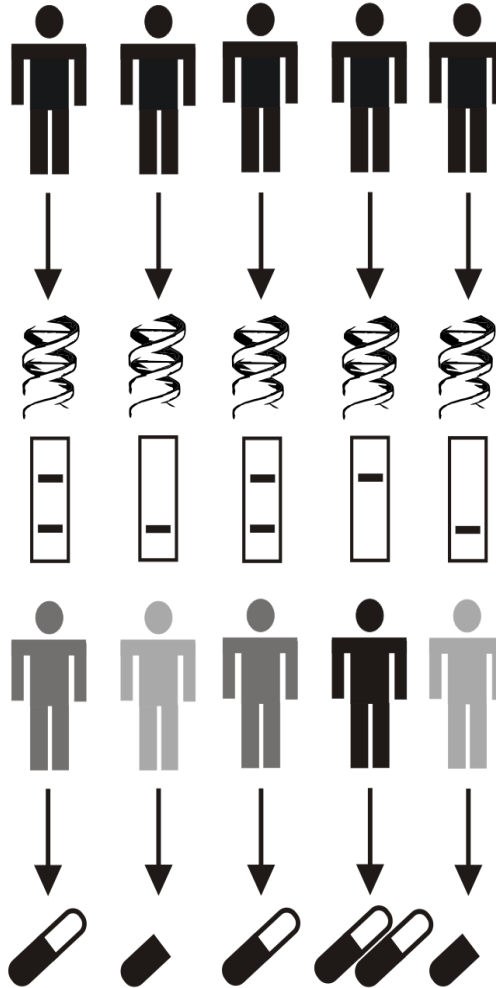
# Pharmacogenomics



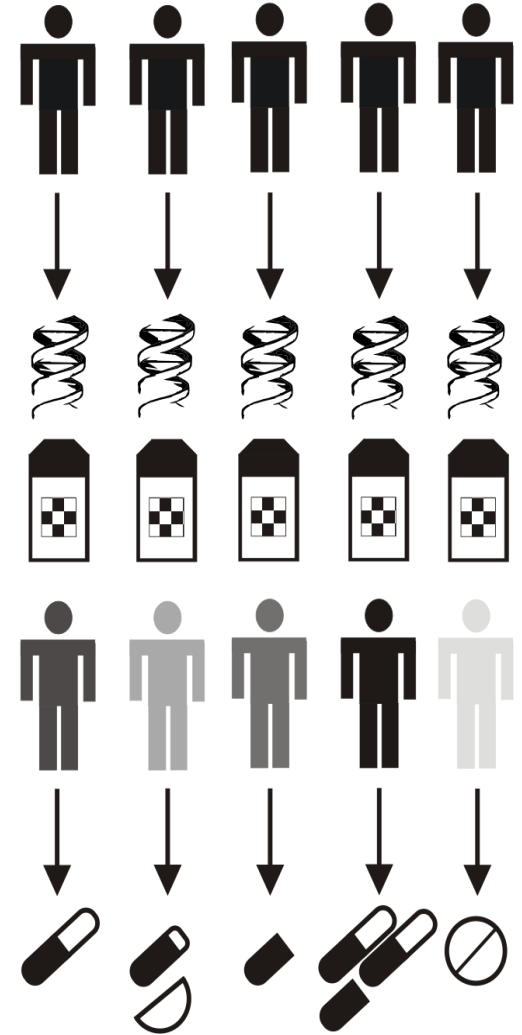
# Standard



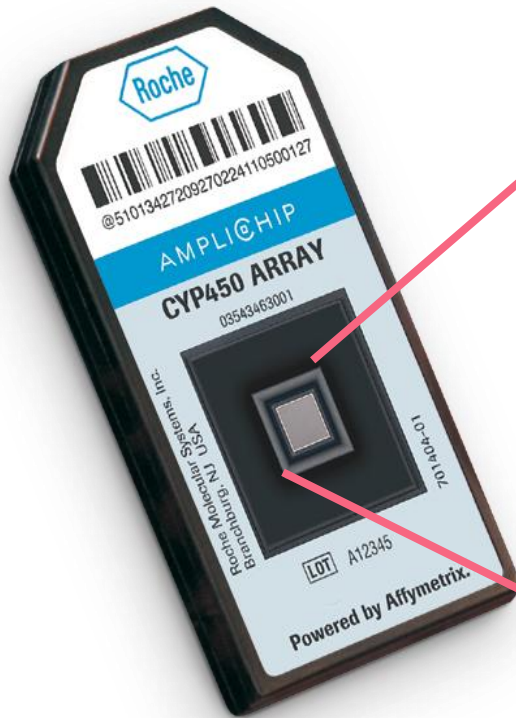
# Pharmacogenetics



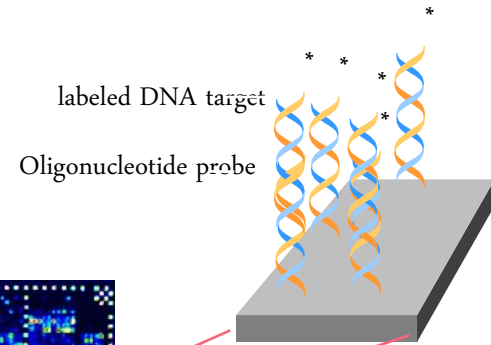
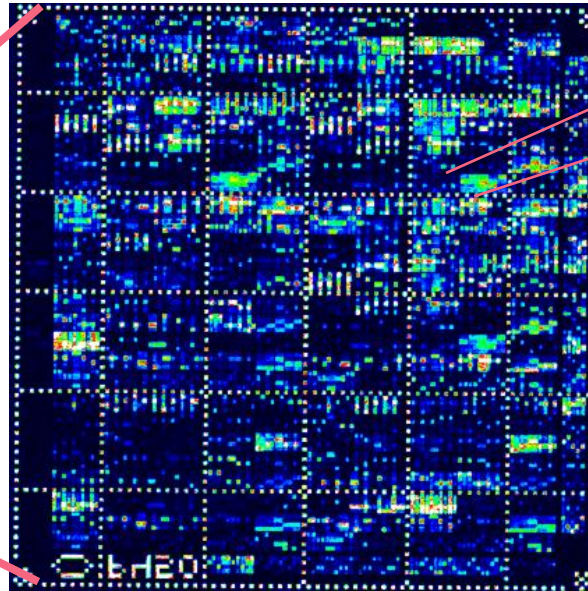
# Pharmacogenomics



# The AmpliChip tests are based on Affymetrix microarray technology



*CYP450 2D6 & 2C19*



To address the relevant genetic variations, each array contains over 15,000 different probes complementary to sense and anti-sense P450 genomic DNA. Probes range in length from 18mer to 22mer

