

UNIVERSITAS CAROLINA PRAGENSIS

First Faculty of Medicine

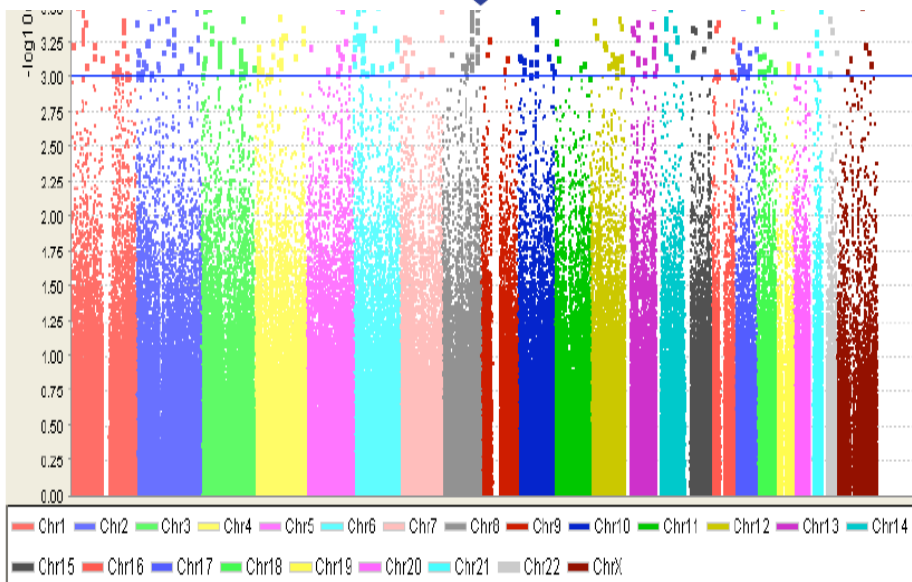
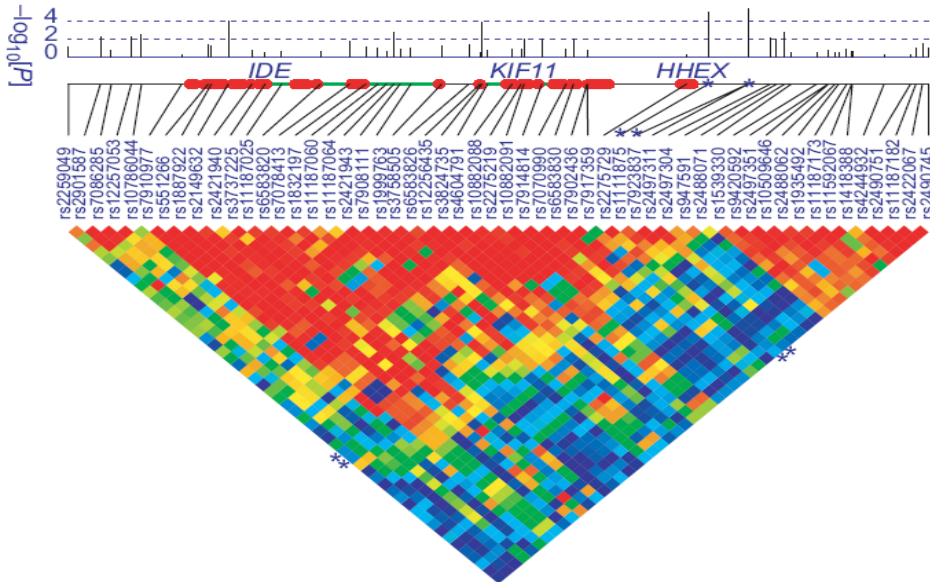


Notes: Introduction to ecogenomics

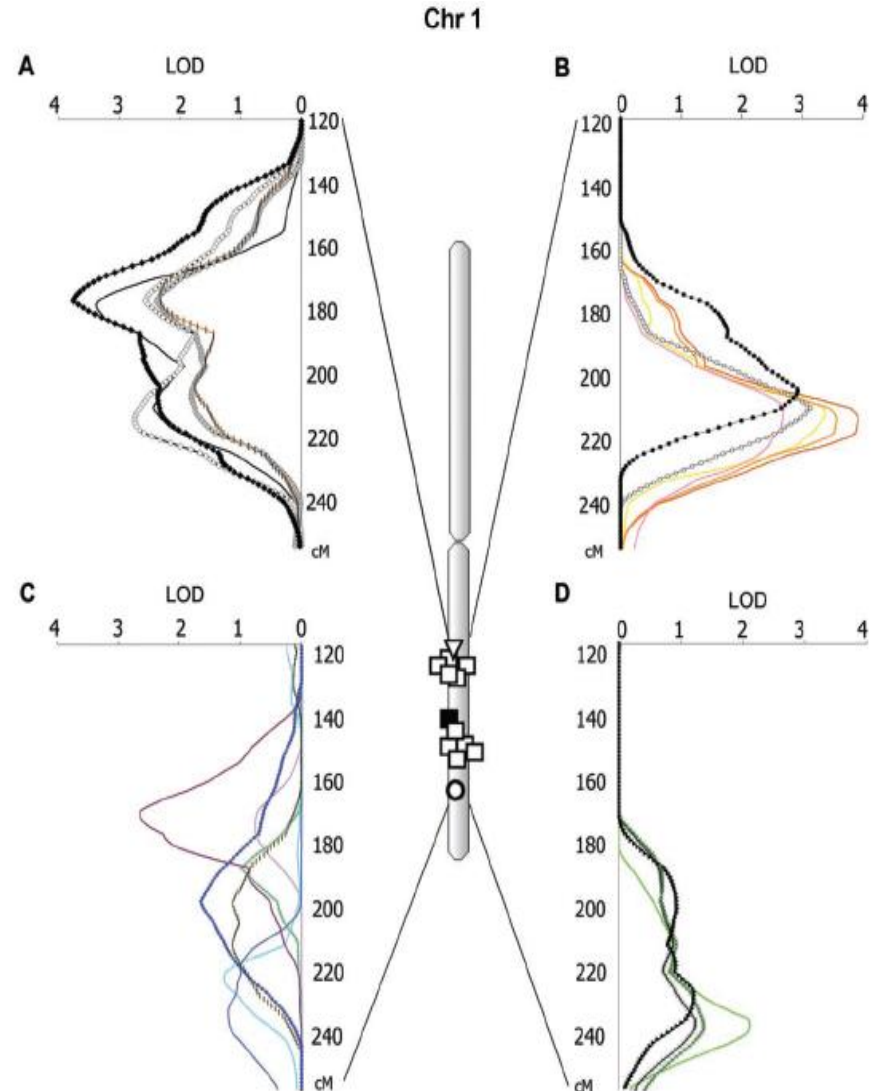
Ondřej Šeda, Lucie Šedová

Approaches of genetic analysis of complex traits

Association analysis



Linkage analysis



Hurdles in genetic analyses of complex traits

PENETRANCE

EPIGENETICS

AGE OF ONSET

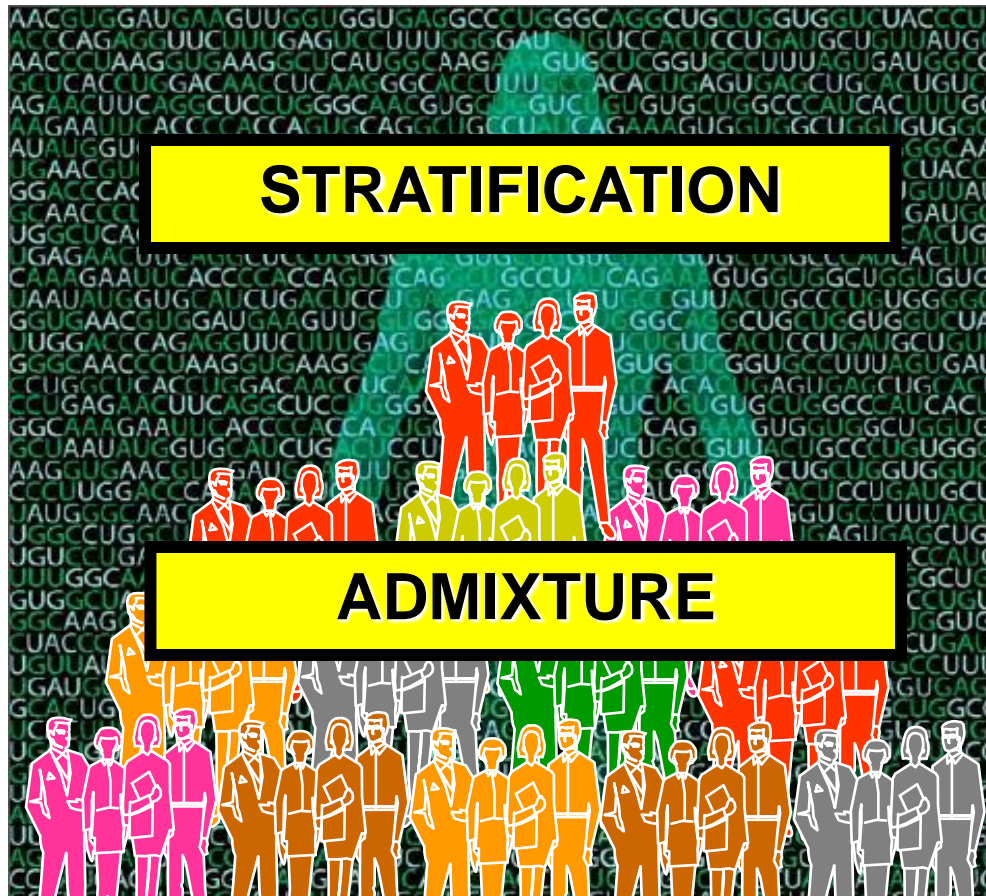
ENVIRONMENT

GENOME \times ENVIRONMENT INTERACTIONS

GENETIC HETEROGENEITY OF THE TRAITS

Hurdles in genetic analyses of complex traits

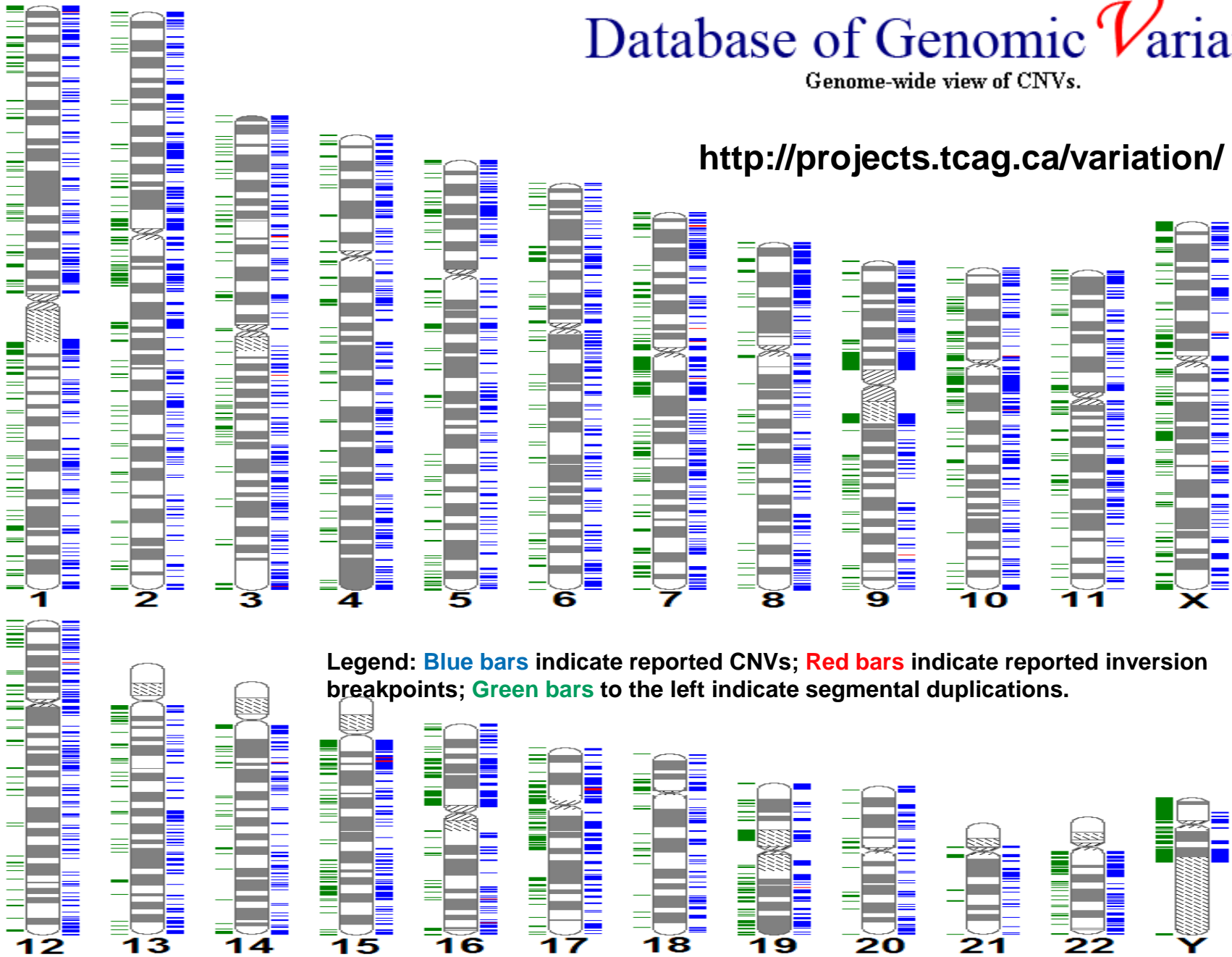
GENETIC HETEROGENEITY OF COHORT



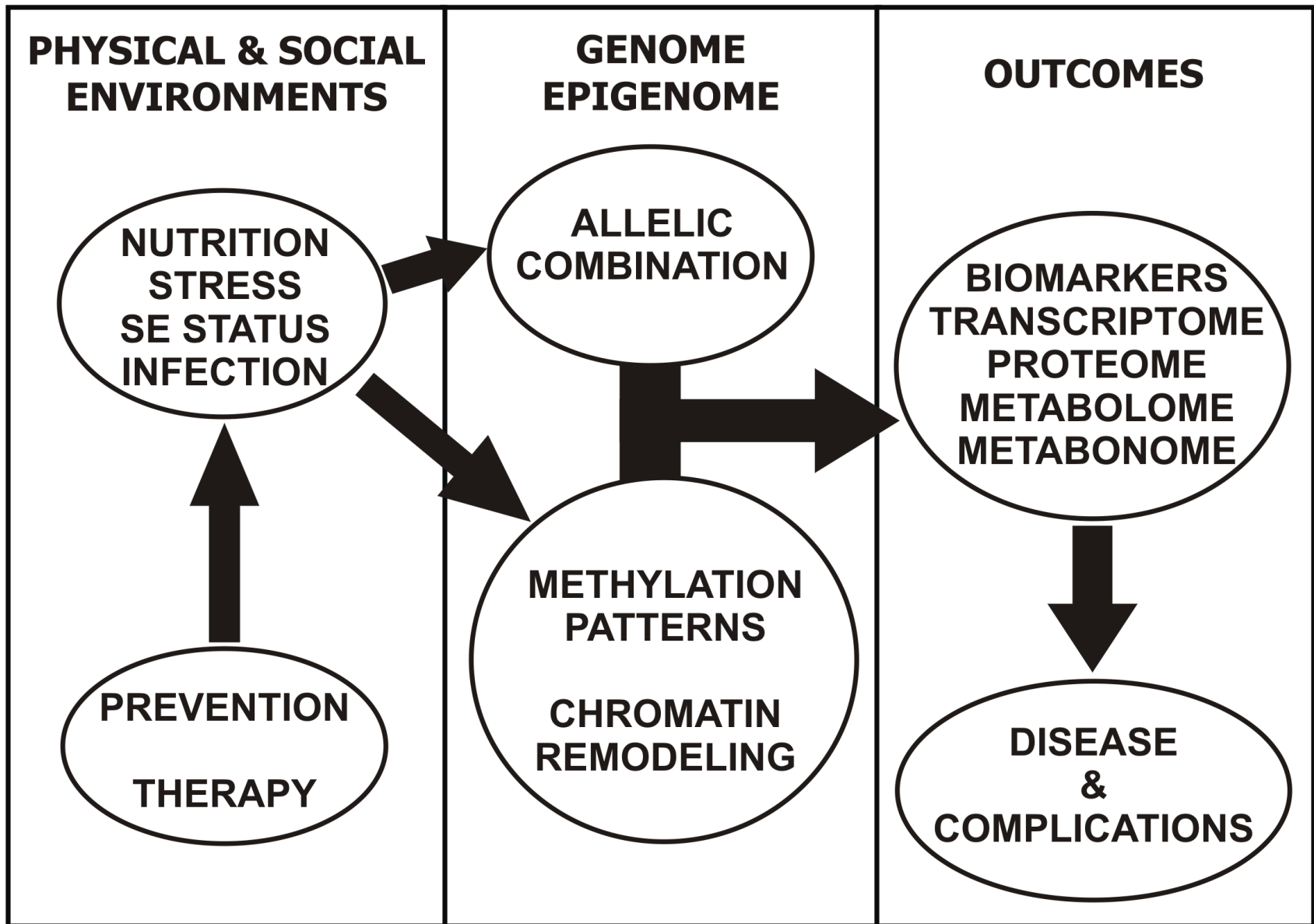
Copy number variation

Database of Genomic Variants
Genome-wide view of CNVs.

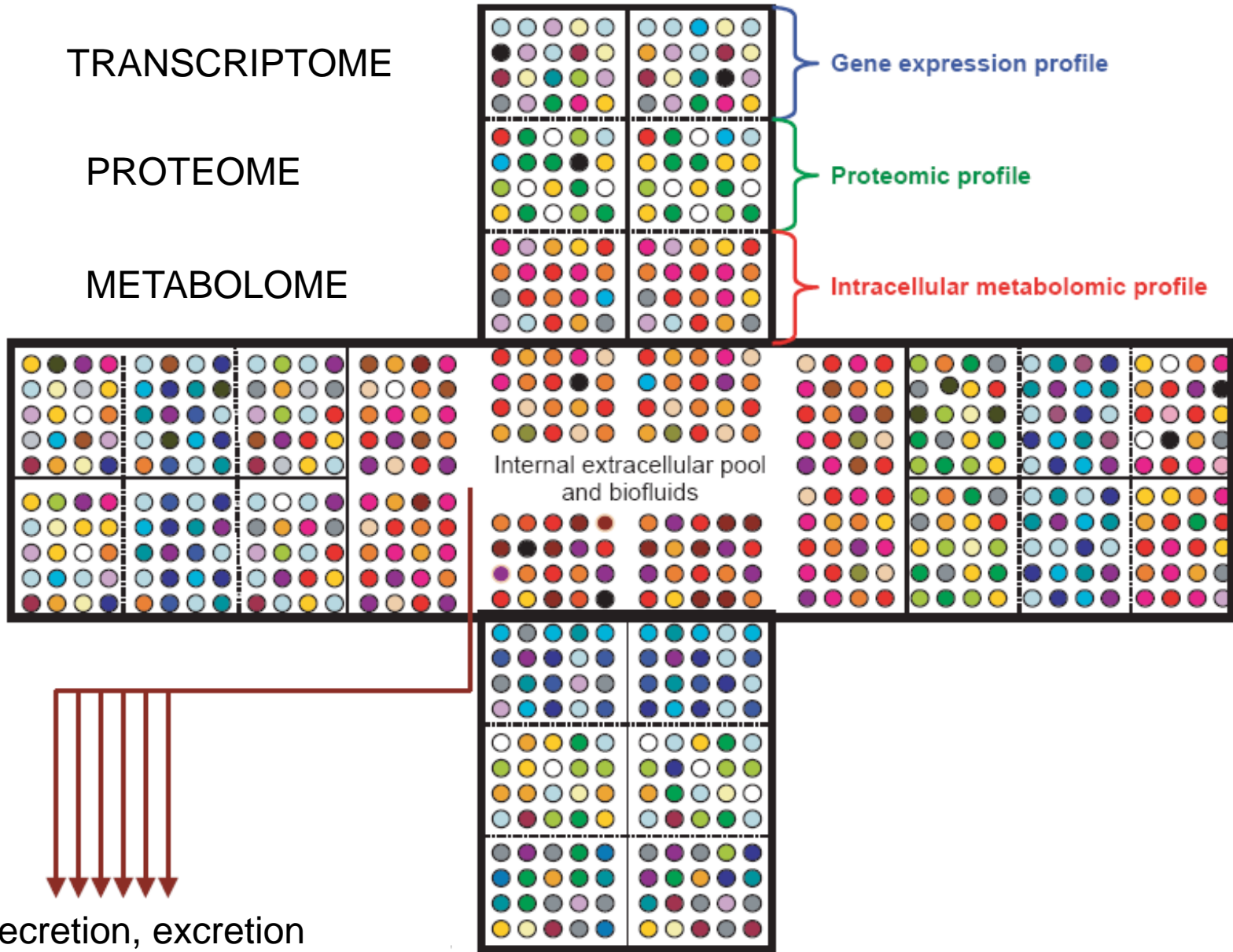
<http://projects.tcag.ca/variation/>



Complex model for analysis of complex diseases

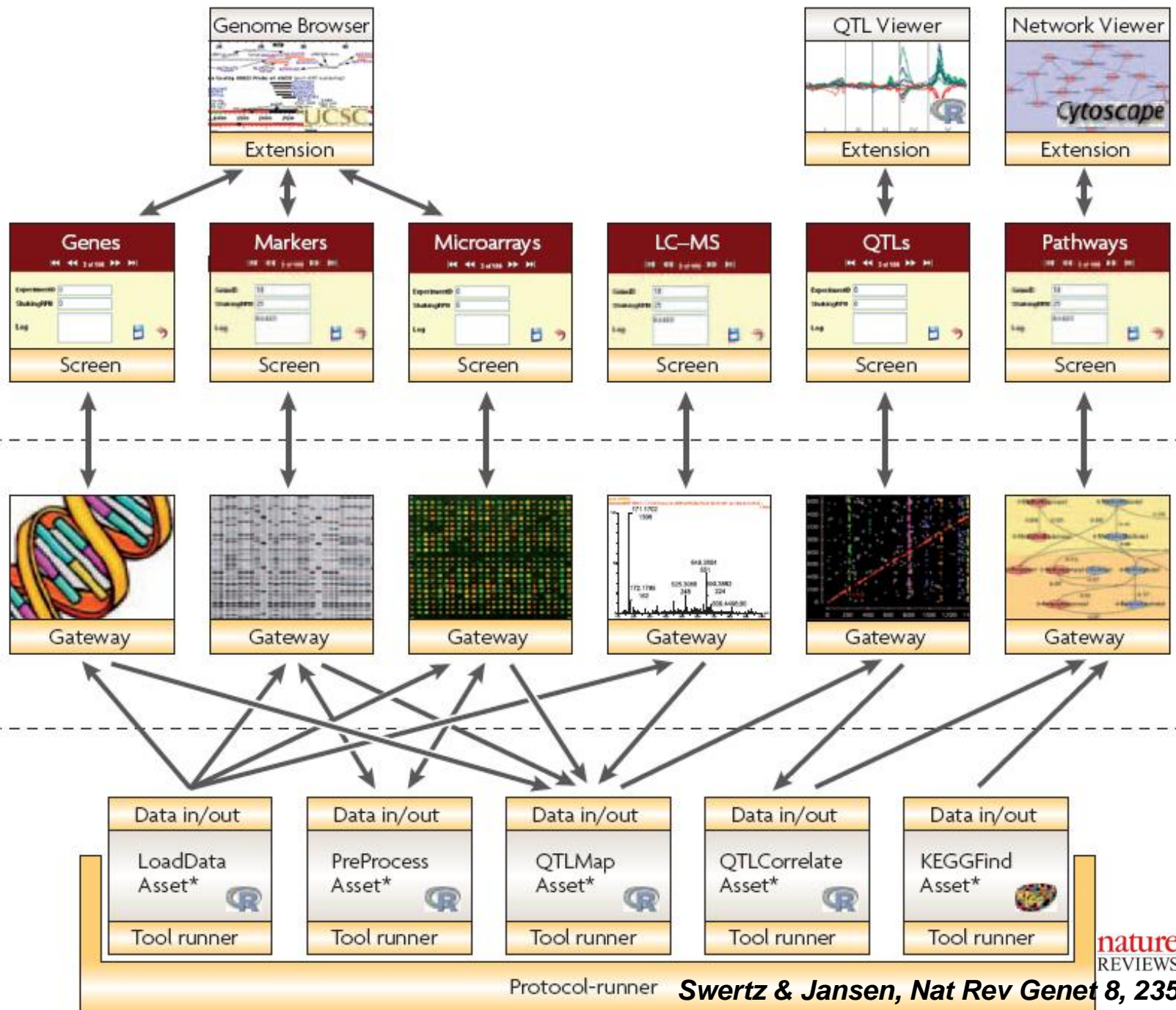


From phenotype.....to phenome



Secretion, excretion

METABONOME



Complex model for analysis of complex diseases

