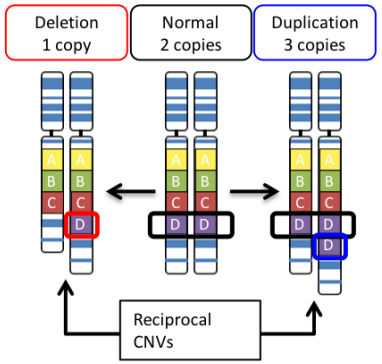
The ENIGMA-CNV working group, 2nd wave

Copy number variant:
-high risk, disease (somatic+psychiatric)



Challenges:
***Genetics*:** Low frequency, different SNP arrays
Imaging: Different scanner sites

Aim
identify CNVs with influence on brain structures

Better understanding
brain development & pathologies

1st wave (-2020)
~17,000 individuals (37 ENIGMA samples) supplemented with UK biobank
4 publications: Brain structural effects of 16p11.2 distal (*Mol Psych*), 1q21.1 distal (*Trans Psych*) and 15q11.2 (*JAMA Psych*) CNVs + 1 review *(HBM,* with ENIGMA-22q11*)*

2nd wave launch (2022-)
-Targeting a wider range of CNVs & broader range of brain measures

Requirements
-item-level CNVs (genetic data), imaging data (starting with FreeSurfer-derived), covariates, both population+disease groups welcome

MEGA-ANALYSIS

Protocols: https://github.com/ENIGMA-git/ENIGMA-CNV
Help available for analysts. Data sharing agreements if necessary

To join:

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