

## ANEUPLOIDIES AND GENE EXPRESSION

[Liu et al.](#)<sup>1</sup>, in a paper in PNAS, address the problem of gene expression of aneuploidies in different tissues (lymphoblastoid cell lines, fibroblasts and iPSC-derived neuronal cells). They studied 197 individuals with one of 6 sex chromosome dosages (XX, XXX, XY, XXY, XYY, and XXYY). Their conclusion is that dosage effects in *cis* are preserved in the analyzed tissues, whereas trans effects (those on autosomal gene expression) are mostly not preserved.

1-<https://www.pnas.org/doi/10.1073/pnas.2218478120>