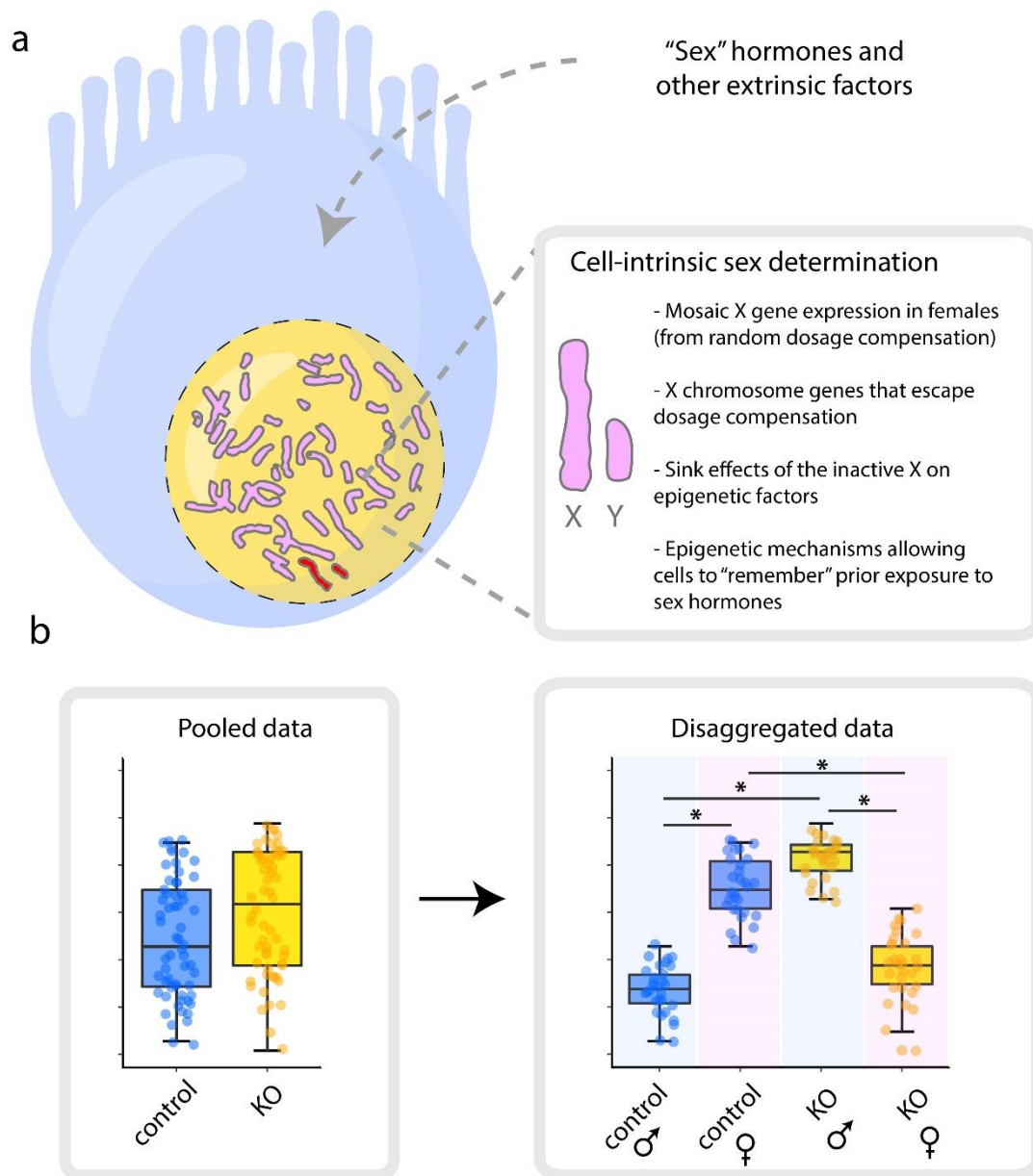


Supplementary information

Let's talk about (biological) sex

In the format provided by the
authors and unedited

Supplementary Figure 1. Parsing sex differences



(a) Sex differences within somatic cells or organs may result from extrinsic (gonadal, hormonal) and cell-intrinsic mechanisms. (b) The "magic" of data disaggregation. You are phenotyping a knockout mouse. When mixed-sex data is pooled (left), sex differences may be masked and manifest themselves as variability in your experimental measurements (in this case, levels of a hypothetical metabolite). Inclusion of sex as a variable (right) reveals that males and females differ in their basal levels of this metabolite, and how this metabolite is impacted by genetic mutation. Hence, pooling can act as a barrier for scientific discovery.