EST Neural Differentiation

Theunissen et al., 2011
Omics best practices notes

- Gene expression response magnitude (fold change) is not limiting biological relevance
- In mixed cell type tissues individual genes may show limited response that may be highly biologically significant if related e.g. to a single cell type
- Single gene expression changes gain weight in pathway analysis of related gene expression changes
- Time courses and dose-response are superior over single time points and doses
- Reproduction of gene expression changes in more than one biological system adds to weight of evidence
- Understanding the biology of the test system is important for omics results interpretation