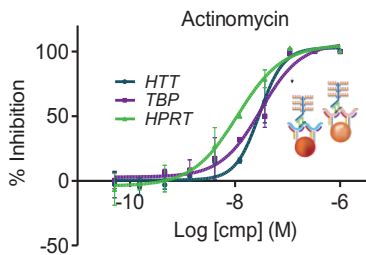
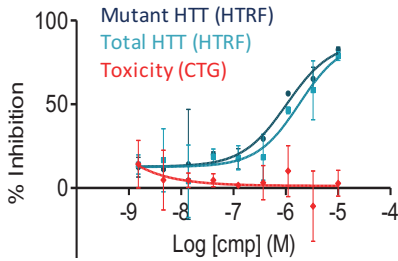


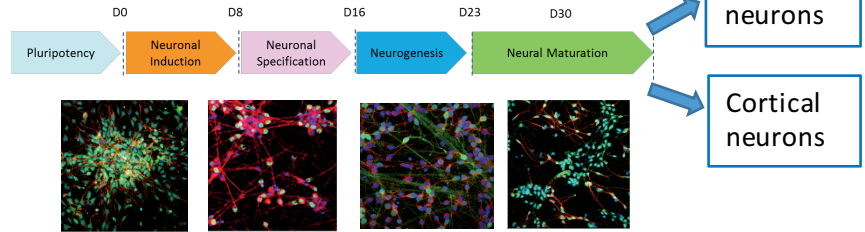
# Cellular Models of Huntington's Disease

## hES and iPSCs cell lines



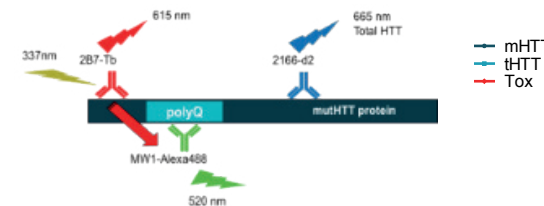
HTT mRNA level measured by branched DNA assay. TBP and HPRT mRNAs used as controls

## Stem cell derived neurons

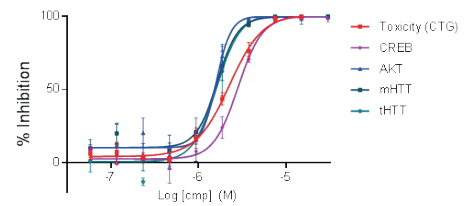


Differentiation of pluripotent stem cells into striatal and cortical neurons measured by immunofluorescent staining

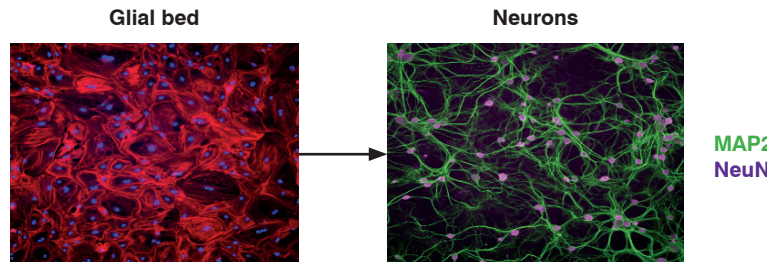
## Mutant and total huntingtin levels and toxicity – HTRF and CTG



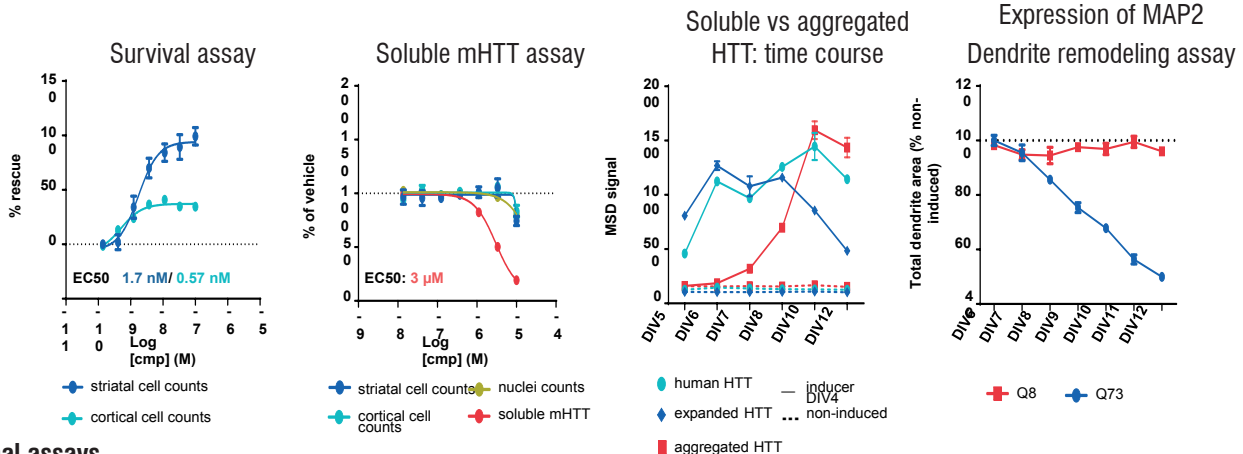
## Alternative HTRF assays



## Rodent primary neurons (from *in vivo* HD models) plate based MSD<sup>®</sup> assay



Measurement of soluble vs aggregated HTT (exon1-Q73) ectopically expressed in rat primary neurons



## Additional assays

SH-SY5Y, Fibroblasts and Lymphoblasts cell lines to measure HTT lowering and Macrophages cells to measure HDAC4 inhibition

For more information, please contact:

David Fischer, Cambridge, UK | david.fischer@crl.com