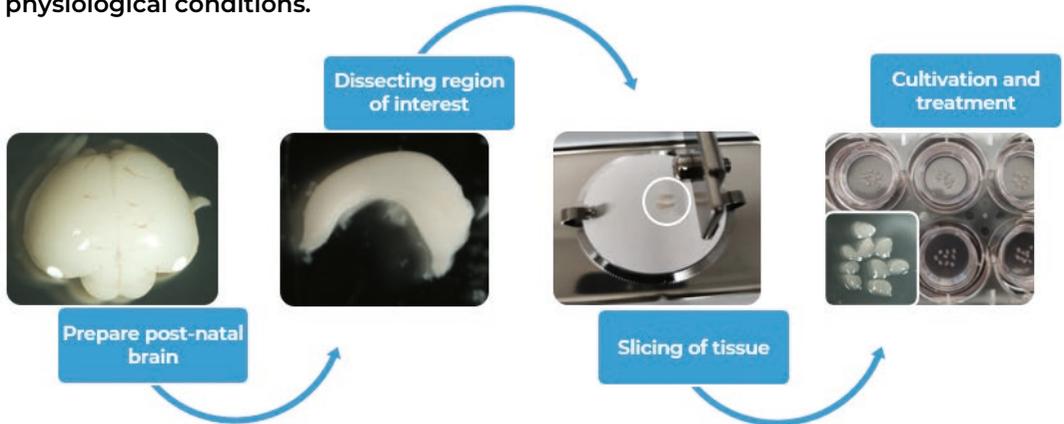
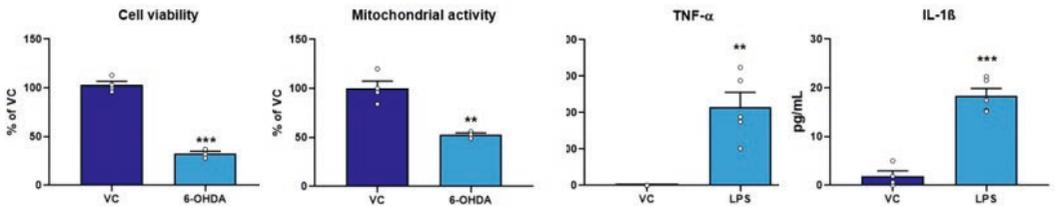


Organotypic brain slice cultures are an innovative and robust *in vitro* method to study several cell types of the brain in a complex network. Slices can be cultured as single slices isolated from different brain regions or as whole brain slices under physiological conditions.



- Induction of disease related phenotypes e.g. with LPS or 6-OHDA
- Evaluation of cytokine release, cell viability, toxicity, mitochondrial activity
- Assessment of mRNA expression and protein levels



Organotypic brain slices are your method of choice to investigate processes *ex vivo* with an intact 3D structure and cell-cell interactions and to screen different drugs and their effects in an *in vivo* like system.

