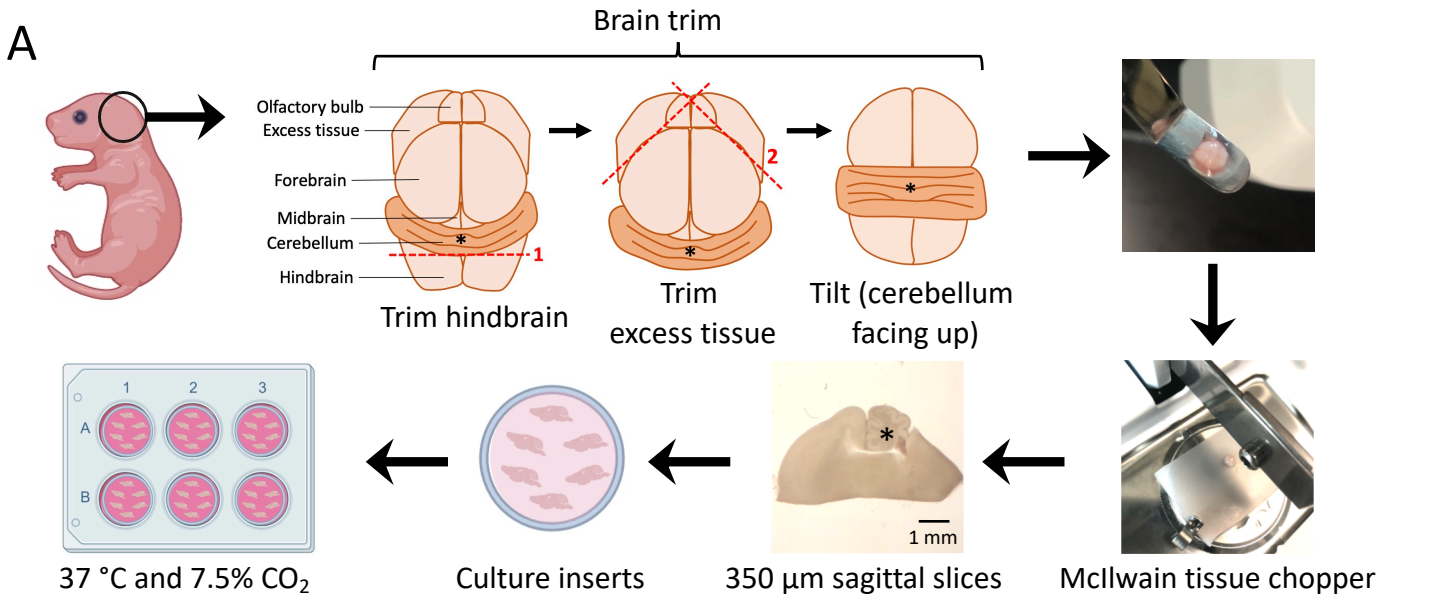
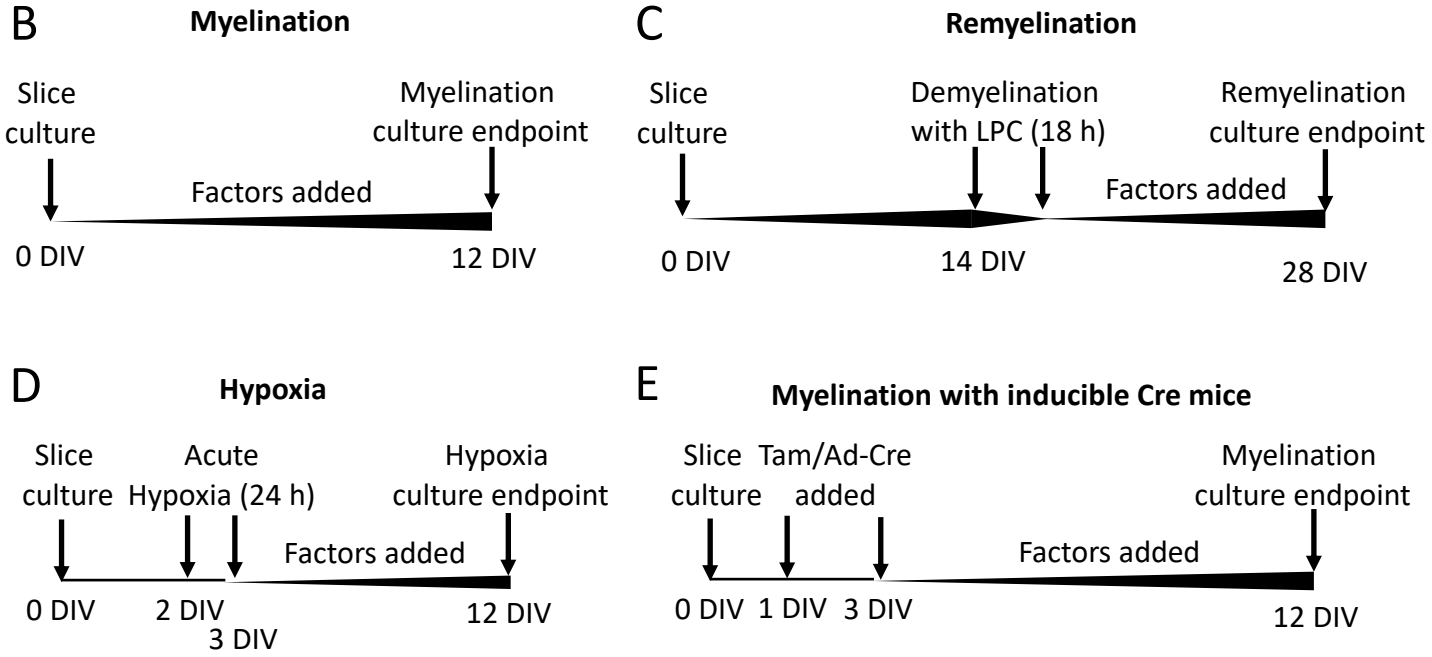

A
Brain trim
Olfactory bulb
Excess tissue
Forebrain
Midbrain
Cerebellum
Hindbrain
1
2
Trim hindbrain
Trim
excess tissue
Tilt (cerebellum
facing up)
1 mm
37 °C and 7.5% CO_2
Culture inserts
350 µm sagittal slices
McIlwain tissue chopper


B
Myelination
Slice
culture
Myelination
culture endpoint
Factors added
0 DIV
12 DIV
C
Remyelination
Slice
culture
Demyelination
with LPC (18 h)
Remyelination
culture endpoint
Factors added
0 DIV
14 DIV
28 DIV
D
Hypoxia
Slice
culture
Acute
Hypoxia (24 h)
Hypoxia
culture endpoint
Factors added
0 DIV
2 DIV
3 DIV
12 DIV
E
Myelination with inducible Cre mice
Slice
culture
Tam/Ad-Cre
added
Myelination
culture endpoint
Factors added
0 DIV
1 DIV
3 DIV
12 DIV