

Figure 1. Developmental timeline of myelination within the mouse spinal cord. Room-temperature electron micrographs from mouse spinal cords at various timepoints. We aim to look for actin filaments within the cytoplasmic regions of oligodendrocyte processes, pseudocolored blue.

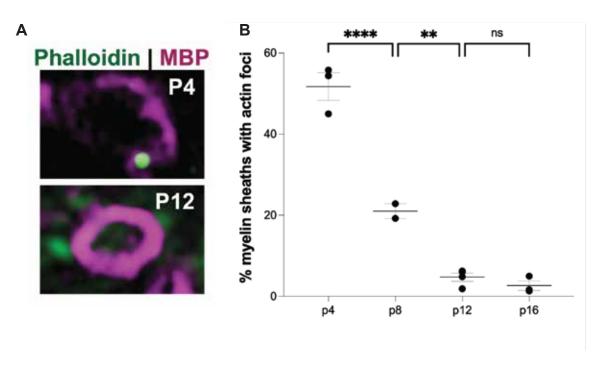


Figure 2. Actin filaments in the mouse spinal cord. A) Cryo-confocal images of actin filaments (green) and MBP (purple), a myelin marker. B) Quantification of the percentage of myelin sheaths with overlapping actin foci.

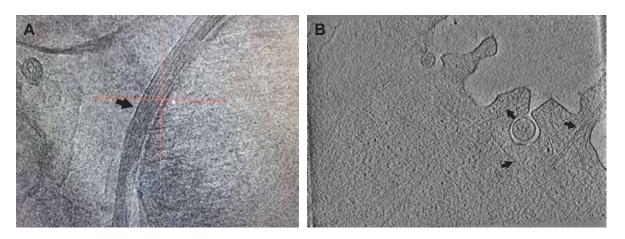


Figure 3. CryoET of myelin. A) Myelin membrane (arrow) in a cryo-TEM micrograph from mouse brain tissue. Arrow points to layers of myelin membrane. B) Actin filaments (arrows) in z-slice from a cryo-tomogram of cultured rat oligodendrocytes.