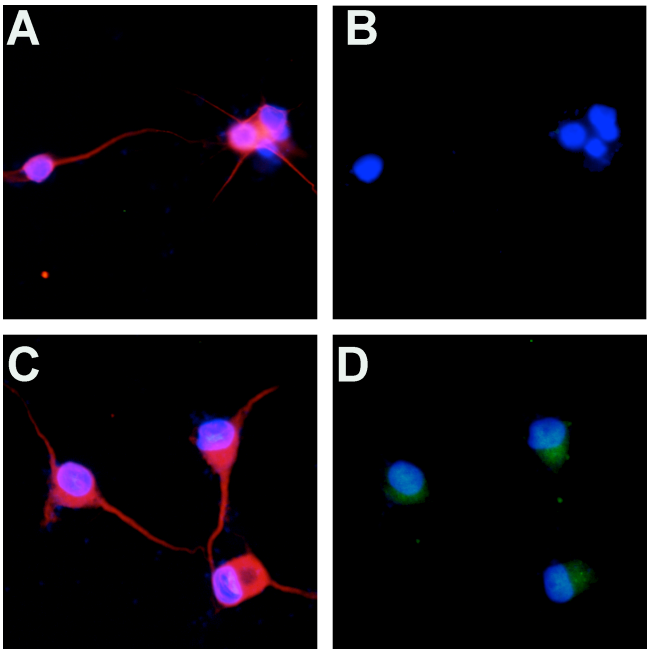
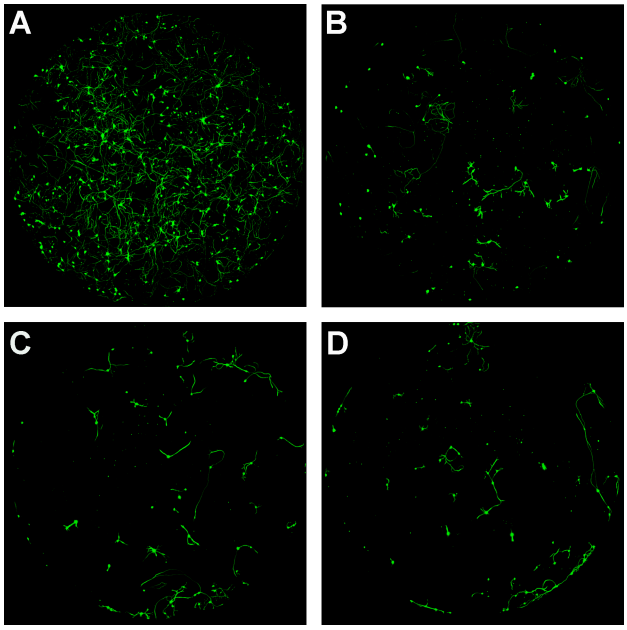
SUPPLEMETAL FIGURES



Supplemental Figure 1. Delivery of SOD to motor neurons. Motor neurons were plated in a Permanox four well chambered slide treated with either Chariot alone (A, B) or Chariot plus 1µg of Cu,Zn SOD^{WT} (C, D). After 24h, motor neurons were fixed and stained for the neuronal marker MAP-2 (A, C, Red), and for human SOD (C, D, Green). Human SOD staining in the motor neurons treated with chariot and Cu,Zn SOD^{WT} is clearly see (D), while there is no staining in motor neurons incubated with Chariot alone (B). The nuclei were stained with DAPI (Blue)



Supplemental Figure 2. Representative Flash Cytometer images. Motor neurons incubated by 24 hs previous to incubation with Chariot (A, B) or Chariot supplemented with Zn-deficient SOD^{D83S} (C) or Zn-deficient SOD^{D83S} plus Cu,Zn SOD^{WT} (D) in Optimem for one hour after, before addition of the culture media supplemented with (A) or without (B) trophic factors. Twenty-four hr later the cells were stained with Casein.AM for 1 hr and hemoglobin added as a quenching agent, before the images were taken using a Flash Cytomer. Each image represents 1 well from a 96 well plate.