The effects of myelin loss, repair, and remyelination therapies on visual cortical function

- Dept. of Cell and Developmental Biology, University of Colorado School of Medicine, Aurora, CO, USA.
- ² Dept. of Physiology and Biophysics, University of Colorado School of Medicine, Aurora, CO, USA.
- ⁴ Autobahn Therapeutics Inc, San Diego CA, USA.
- These authors contributed equally











• LL-341070 leads to faster recovery of delayed latencies in visual response and of reduced P100 amplitude





• Myelin loss impairs neuronal function in V1 resulting in delayed latency to visual response at population and single-neuron level • Demyelination leads to a decrease in P100 amplitude in the VEP potentially via reduced synchrony in cortical visual processing • Remyelination results in recovery of delayed latency in visual responses and of P100 amplitude