

Video 1. Time lapse video microscopy (one frame/20 s) of expanding SG growth cone cultured in BDNF, NT-3 and GDNF (10 ng/ml). The cone migrates to a foreign body located in the medium. An adjacent cell attaches axon and divides before alignment. (Zeiss inverted microscope, one frame/20 s, day 9).

Video 2. Time lapse video microscopy (one frame/60 s) of a SG neuron in vitro. An SC aligns with the axon at the lower right (GDNF 100 ng/ml, day 7).

Video 3. Time lapse video microscopy (one frame/20 s). Several aligned SCs move in concert along the axon in the direction of the cell body (BDNF, NT-3 and GDNF 10 ng/ml, day 7).