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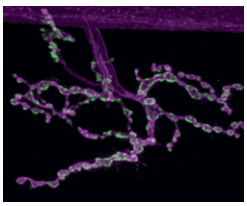

Cover photo: Abnormal synaptic terminal growth is caused by the exchange of a conserved amino acid residue (R561H) in the kinesin-3 family member Unc-104/KIF1A. A neuromuscular junction (NMJ) (NMJ4, Segment A2) in a larva homozygous for the R561H allele is shown. Neuronal membranes (magenta) and postsynaptic densities (green) were visualized with antibodies against HRP and the Glutamate receptor subunit IIC. *Unc-104^{R561H}* mutant NMJs are more enlarged compared to controls, indicating that Unc-104 is essential to restrict NMJ growth. For a full description of Unc-104's role in coordinating synapse formation, maturation and dendrite morphogenesis, see Kern *et al*. Genetics 195:57–70.