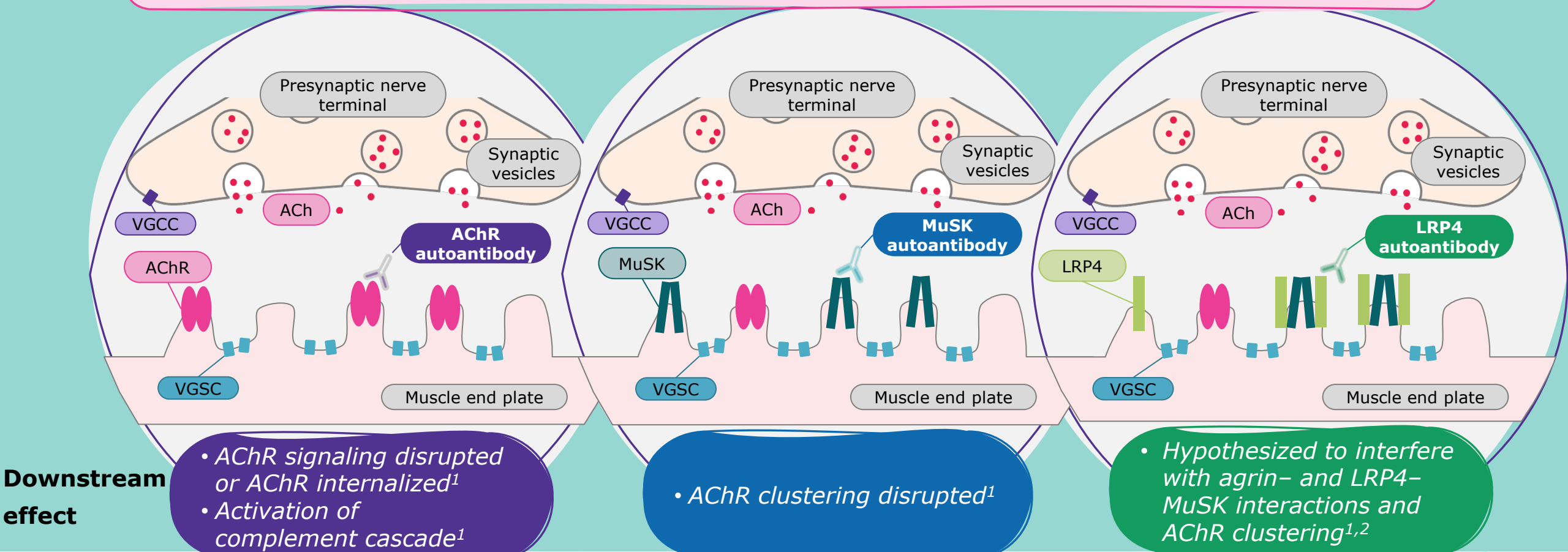


A variety of autoantibodies are known to contribute to myasthenia gravis*



	Anti-AChR ~85%	Anti-MuSK ~6%	Anti-LRP4 ~2%
Percent prevalence in pwMG¹	~85%	~6%	~2%
Autoantibody IgG subclass^{1,3,4}	<ul style="list-style-type: none"> IgG1 and IgG3 	<ul style="list-style-type: none"> IgG4 	<ul style="list-style-type: none"> IgG1
Cell type producing auto-antibodies^{3,4}	<ul style="list-style-type: none"> Short-lived plasmablasts and long-lived plasma cells 	<ul style="list-style-type: none"> Short-lived plasmablasts 	<ul style="list-style-type: none"> Further research is needed to determine the cell types that secrete LRP4 autoantibodies
Common symptoms^{1,3-6}	<ul style="list-style-type: none"> Ocular and bulbar Muscle and limb weakness Thymic hyperplasia or atrophy 	<ul style="list-style-type: none"> Acute onset mainly affecting the facial-bulbar muscles Frequent early respiratory crises 	<ul style="list-style-type: none"> Ocular and bulbar Muscle and limb weakness

~10% of pwMG are **seronegative** and **lack detectable autoantibodies**³

*Other rare autoantibody types have been identified (e.g., anti-agrin) and are being studied.^{3,6}
 ACh, acetylcholine; AChR, acetylcholine receptor; Ig, immunoglobulin; LRP4, low-density lipoprotein receptor-related protein 4; MuSK, muscle-specific kinase; pwMG, people with myasthenia gravis; VGCC, voltage-gated calcium channel; VGSC, voltage-gated sodium channel.
1. Lazaridis K, Tzartos SJ. Front Neurol. 2020;11:596981. **2.** Yu Z, et al. Neurology. 2021;97(10):e975-e987. **3.** Iorio R. Nat Rev Neurol. 2024;20(2):84-98.
4. Fichtner ML, et al. Front Immunol. 2020;11:776. **5.** Rodolico C, et al. Front Neurol. 2020;11:660. **6.** Rivner MH, et al. Muscle Nerve. 2020;62(3):333-343.

