

Name: _____

Date: _____

Quiz name: Q8_MGravis

1. Myasthenia gravis is an autoimmune disease caused by the presence of antibodies against

- A LRP4
 - B MuSK
 - C mAChR
 - D nAChR
 - E All of the above
 - F A, B and D
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2. The microRNA miR-320a has been implicated in MG because

- A MG patients have decreased levels of miR-320a
 - B MG patients have increased levels of miR-320a
 - C miR-320a regulates pro-inflammatory cytokines
 - D Decreased miR-320a levels cause increased levels of IL-6
 - E A,C and D
 - F B and D
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3. The nicotinic acetylcholine receptor

- A is a ligand gated ion channel
 - B is a metabotropic receptor
 - C is the primary antigenic target in MG
 - D is clustered by rapsyn at the post synaptic membrane
 - E is a homo-pentamer
 - F A, C, and D
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4. Rapsyn has a direct effect on post synaptic action potential at the neuromuscular junction by

- A Limiting ion diffusion within the plane of the membrane
 - B Clustering the AChR together at higher density
 - C Changing the open probability of the AChR
 - D Recruiting other proteins which enhance calcium signalling
 - E A and B
 - F A, B, C and D
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5. Electron tomography provides direct three dimensional (3D) structural information

- A True
- B False