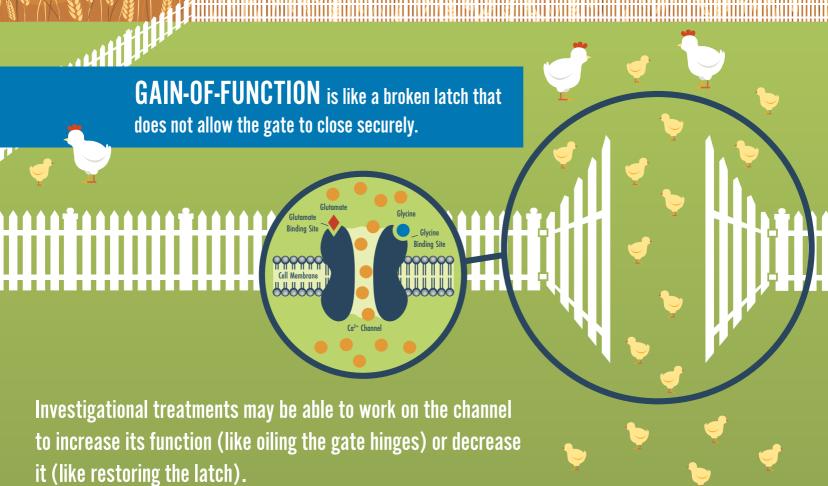
Loss-of-Function and Gain-of-Function Explained



Imagine the NMDA receptor in the cell surface like a gate in a fence.

If there is a change in the structure of the receptor, it could change the flow of calcium through the channel. If that change reduces the flow, like the gate with a sticky latch, it would be considered a LOSS-OF-FUNCTION. And if it allows for increased flow, it would be a GAIN-OF-FUNCTION.





In considering investigational treatments intended to specifically restore more normal function to the channel, it may be important to know whether a particular variant is LOSS-OF-FUNCTION or GAIN-OF-FUNCTION.

