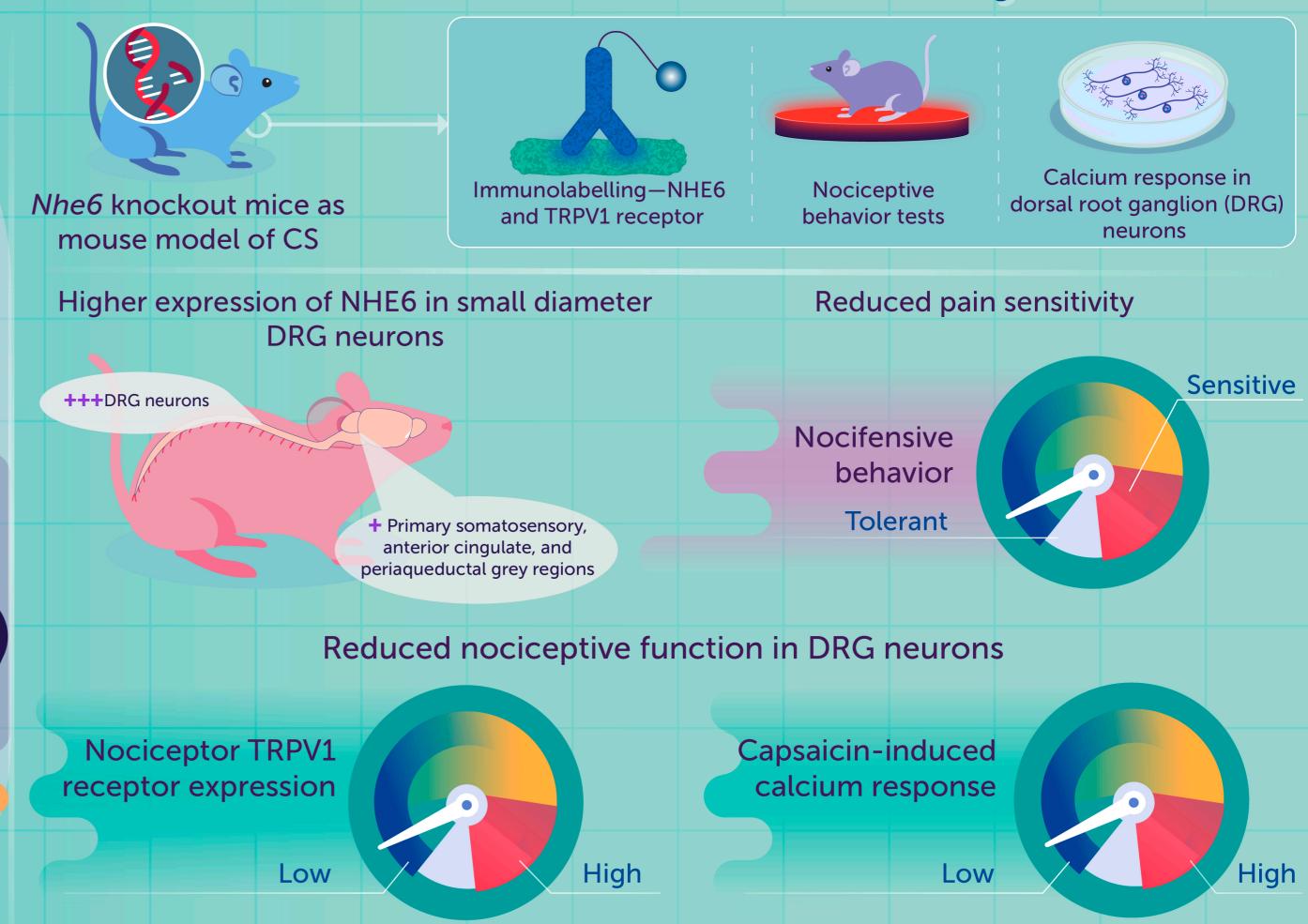
Mechanism of Pain Tolerance in Mouse Model of Christianson Syndrome

Children born with Christianson syndrome (CS) suffer from various neurological ailments, including a hyposensitivity to pain



CS is caused by mutations in the SLC9A6 gene which encodes the sodium-proton exchanger protein NHE6

Does NHE6 determine nociceptor function and pain behavior?



Absence of NHE6 protein in mouse nociceptors resulted in a pain-tolerant phenotype, similar to that seen in children with CS

Loss of SLC9A6/NHE6 impairs nociception in a mouse model of Christianson Syndrome

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