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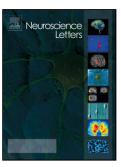
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Contribution of Plasma Membrane Calcium ATPases to neuronal

maladaptive responses: focus on spinal nociceptive mechanisms and

neurodegeneration

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Highlights

• PMCA2 is critical for the function and survival of spinal cord neurons.

• Motor neurons are the most vulnerable population to a decrease in PMCA2 expression.

• PMCA2 plays a role in pain in a female-specific and modality-dependent manner.

• Molecular networks governing pain are altered in the dorsal horn of PMCA2+/- mice.

• The molecular changes in the dorsal horn show sex bias.

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