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Spinal D-serine increases PKC-dependent GluN1 phosphorylation contributing to the sigma-1 receptor-induced development of mechanical allodynia in a mouse model of neuropathic pain

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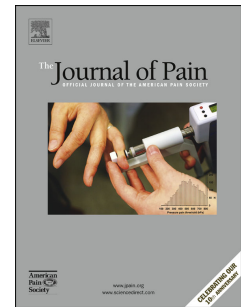
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Title page

Spinal D-serine increases PKC-dependent GluN1 phosphorylation contributing to the sigma-1 receptor-induced development of mechanical allodynia in a mouse model of neuropathic pain

Running title: D-serine increases GluN1 phosphorylation

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Tel.: +82-2-880-1272, Fax: +82-2-885-2732E-mail: jhl1101@snu.ac.kr^a Sheu-Ran Choi and Ji-Young Moon contributed equally to this study. (co-first authors)**Disclosures:** This work was supported by the National Research Foundation of Korea (NRF) grant funded by the Korean Government (MSIP) [grant No. 2014R1A2A2A01007695].**Statement of conflicts of interest:** All authors declare no conflict of interest related to the present work.

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