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Title

Retraction for Zhong et al. GSK is essential to systemic inflammation and pattern recognition receptor signaling to JNK and p38.

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Authors

Gavrilescu, L Cristina
Molnár, Árpád
Murray, Lauren
et al.

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Retraction

IMMUNOLOGY

Retraction for “GCK is essential to systemic inflammation and pattern recognition receptor signaling to JNK and p38,” by Jian Zhong, L. Cristina Gavrilescu, Árpád Molnár, Lauren Murray, Stephen Garafalo, John H. Kehrl, Amy R. Simon, Richard A. Van Etten, and John M. Kyriakis, which appeared in issue 11, March 17, 2009, of *Proc Natl Acad Sci USA* (106:4372–4377; first published February 25, 2009; 10.1073/pnas.0812642106).

The undersigned authors wish to note the following: “Upon rederivation of the *gck*^{-/-} mouse line, we have been unable to reproduce the data showing that disruption of *gck* impairs PAMP activation of JNK and p38. We also cannot reproduce the finding that administration of PAMPs leads to the signal-dependent stabilization of endogenous GCK. Inasmuch as these signal transduction findings supported a central conclusion of the above article, we wish to retract this article in its entirety.”

L. Cristina Gavrilescu
Árpád Molnár
Lauren Murray
Stephen Garafalo
John H. Kehrl
Amy R. Simon
Richard A. Van Etten
John M. Kyriakis

www.pnas.org/cgi/doi/10.1073/pnas.1203089109