Retraction: Endogenous IL-1R1 Signaling Is Critical for Cognate CD4⁺ T Cell Help for Induction of In Vivo Type 1 and Type 2 Antipolysaccharide and Antiprotein Ig Isotype Responses to Intact *Streptococcus pneumoniae*, but Not to a Soluble Pneumococcal Conjugate Vaccine

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Letter of Retraction

We wish to retract the article titled “Endogenous IL-1R1 Signaling Is Critical for Cognate CD4+ T Cell Help for Induction of In Vivo Type 1 and Type 2 Antipolysaccharide and Antiprotein Ig Isotype Responses to Intact Streptococcus pneumoniae, but Not to a Soluble Pneumococcal Conjugate Vaccine” by Quanyi Chen, Goutam Sen, and Clifford M. Snapper, The Journal of Immunology, 2006, 177: 6044–6051.

In Figs. 1–5, we stated that we had used IL-1R1 knockout mice (B6129 background, The Jackson Laboratory) in our experiments. Recently, using IL-1R1 knockout mice (C57BL/6 background, The Jackson Laboratory), we were unable to reproduce a critical experiment from that published paper. Upon investigation we discovered that the mice that had been ordered for the experiments described in our published article were, in fact, mistakenly mice that were doubly deficient in IL-1R1 and TNF α p55 (type 1) receptor. As a result, our data cannot be interpreted in the context of a sole deficiency in IL-1R1 signaling. Although this was a purely unintentional mistake, we need to retract this paper.

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