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On the cover: Histologic section of a kidney from a monophosphoryl lipid A–treated CCR2 knockout mouse 3 d after infection with *Staphylococcus aureus*. An F4/80 immunohistochemistry stain (brown) demonstrates that monophosphoryl lipid A prophylaxis boosts macrophage abundance in the kidney despite a lack of CCR2-dependent inflammatory monocytes. Fensterheim, B. A., J. D. Young, L. Luan, R. R. Kleinbard, C. L. Stothers, N. K. Patil, A. G. McAtee-Pereira, Y. Guo, I. Trenary, A. Hernandez, J. B. Fults, D. L. Williams, E. R. Sherwood, and J. K. Bohannon. 2018. The TLR4 agonist monophosphoryl lipid A drives broad resistance to infection via dynamic reprogramming of macrophage metabolism. *J. Immunol.* 200: 3777–3789.

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