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On the cover: IL9-expressing CD4 T cells (i.e., Th9 cells) in allergic individuals exhibit a strong STAT5-repressive gene signature, indicating that STAT5 transcriptional repression may play an important role in their differentiation. This work demonstrates that STAT5 enhances Th9 development by suppressing a novel STAT3-independent Th17-like differentiation program. Canaria, D. A., B. Yan, M. G. Clare, Z. Zhang, G. A. Taylor, D. L. Boone, M. Kazemian, and M. R. Olson. 2021. STAT5 represses a STAT3-independent Th17-like program during Th9 cell differentiation. J. Immunol. 207: 1265–1274.
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