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Crystal structure of the T cell receptor (TCR) (blue), showing its orientation bound to a major histocompatibility complex (MHC) molecule (red). The classic model (background, from Immunobiology, C. A. Janeway and P. Travers, Garland Press and Current Biology, London) placed the TCR over the MHC groove, but in an unknown orientation. The TCR interacts with the MHC bound to a peptide antigen (yellow) through its hypervariable loops (red, blue, and yellow). See page 209 and the News story on page 176. [Image: M. Pique, K. C. Garcia, and I. A. Wilson]

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