A flexible docking approach for prediction of T cell receptor-peptide-MHC complexes.

Title: A flexible docking approach for prediction of T cell receptor-peptide-MHC complexes.

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Abstract: T cell receptors (TCRs) are immune proteins that specifically bind to antigenic molecules, which are often foreign to the body. This binding is crucial for the immune system to recognize and fight off infections. The prediction of TCR-peptide-MHC complexes is an important area of research in immunology, as it helps in understanding the immune response and designing vaccines. However, the prediction of these complexes is challenging due to the flexibility of TCRs and the potential for many binding modes.

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