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The application of X-ray crystallography and site-directed mutagenesis to the study of protein structures

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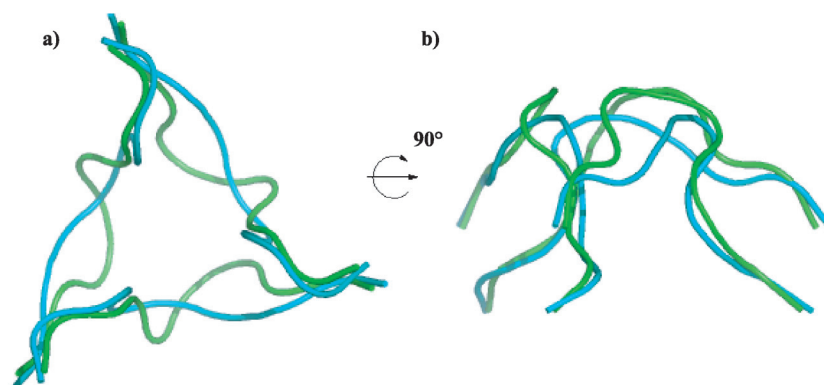


Figure 3.10. Superposition of the Calpha atoms (amino acid 468-477) of a part of the "bonnet" of the two gp12 trimers in different space groups. a) Top view on the bonnet along the three-fold axis. Both gp12 trimers in different colors, R32 (blue) and P321 (green). b) Rotated 90 degrees, same colors as in a). It shows clearly that the top region of the receptor-binding domain, the "bonnet", has differences in the main-chain positions for the residues 469-479.

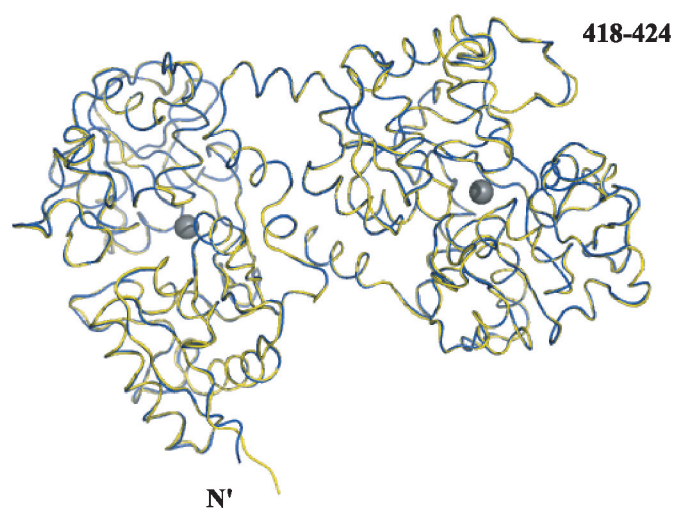


Figure 5.1. Calpha superpositions of rhLF and natural hLF. rhLF expressed in bovine milk is shown in yellow and natural hLF from human milk in blue. Grey speheres show the iron atoms.