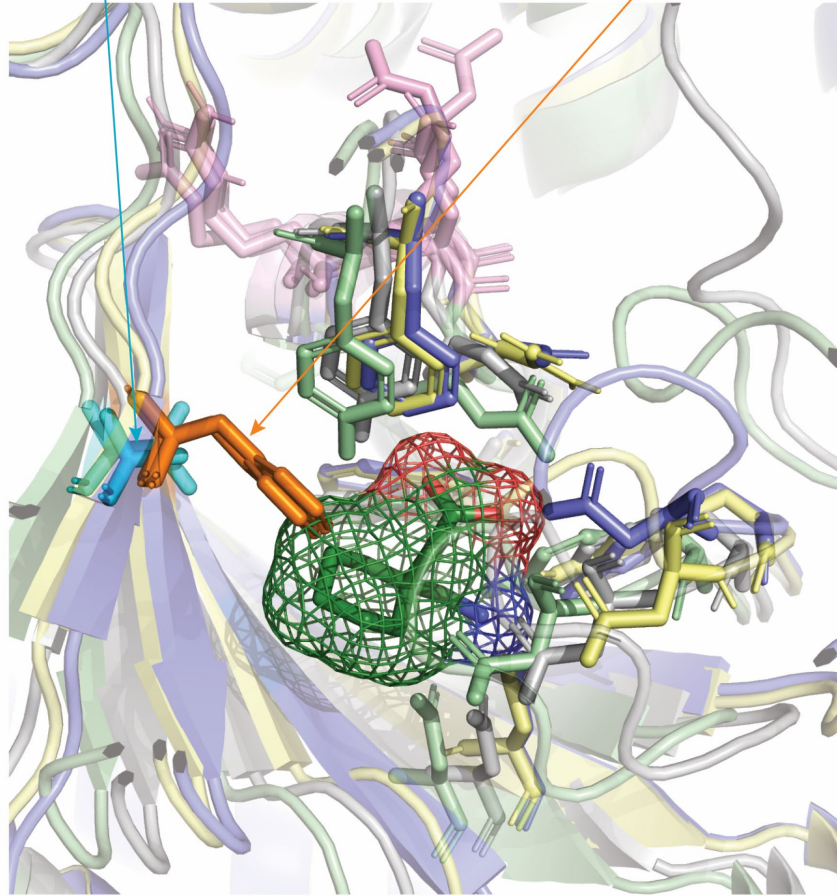


A217 ($\alpha\delta 1$) and T257 ($\alpha\delta 2$) F221 ($\alpha\delta 3$) and F256 ($\alpha\delta 4$)



Superimposed ligand-binding pockets of $\alpha\delta 1$ to $\alpha\delta 4$ proteins. Gabapentin was docked to $\alpha\delta 1$. $\alpha\delta 1$ (gray) is from rabbit, $\alpha\delta 2$ (light green), $\alpha\delta 3$ (light yellow), and $\alpha\delta 4$ (light blue) are AlphaFold models of human proteins. An amino acid causing steric hindrance is indicated by the orange arrow. In pink the first two residue of the RRR (in $\alpha\delta 1$ and $\alpha\delta 2$)/RNR (in $\alpha\delta 3$ and $\alpha\delta 4$) sequence are shown; the last R of the RRR/RNR sequence is part of the amino acid binding motif. The amino acid binding motif (Gumerov et al., 2022) residues are also shown.