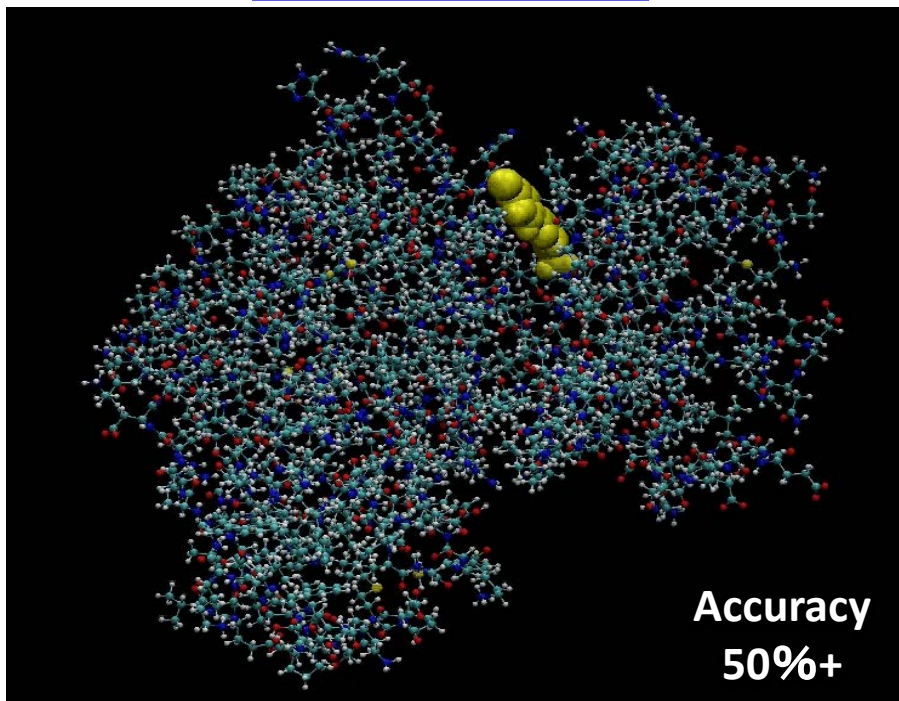


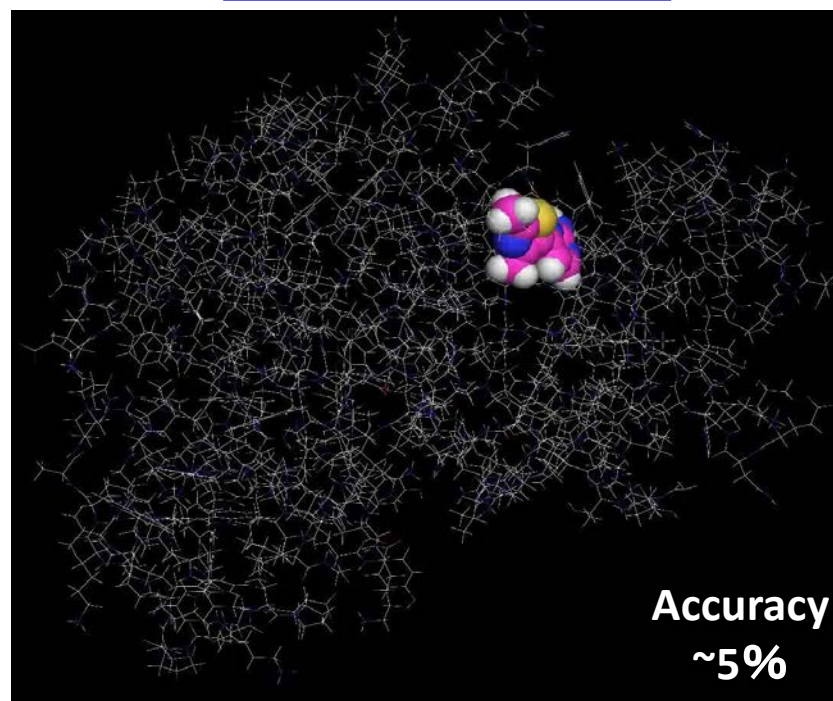
K computer has made molecular dynamics (MD) simulation more easily and reliably useful in **MD-based drug design**.

## simulation with K



Okuno (Kyoto Univ.)

## simulation before K



Simulation of molecular behavior including solvent (water molecule) became possible with K. Able to accurately predict binding affinities of several hundred pairs between pharmaceutical candidate compound and protein in a week.