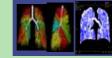
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Multi-Scale Computing Grid

Organ and Tissue Simulation



Physiome; Simulations of surface muscle electric potential and lung ventilation

Cell Simulation

Cellome; Simulation to study the drug inhibitions to ion channels in human cardiac muscle cells.

^oownian Dynamics Simulation

Protein Folding Simulation



Proteome; Prediction of ab initio protein folds from amino acid sequence information

Simulation for Protein Complexes



In silico **Drug screening;** prestoX-basic The molecular dynamics program

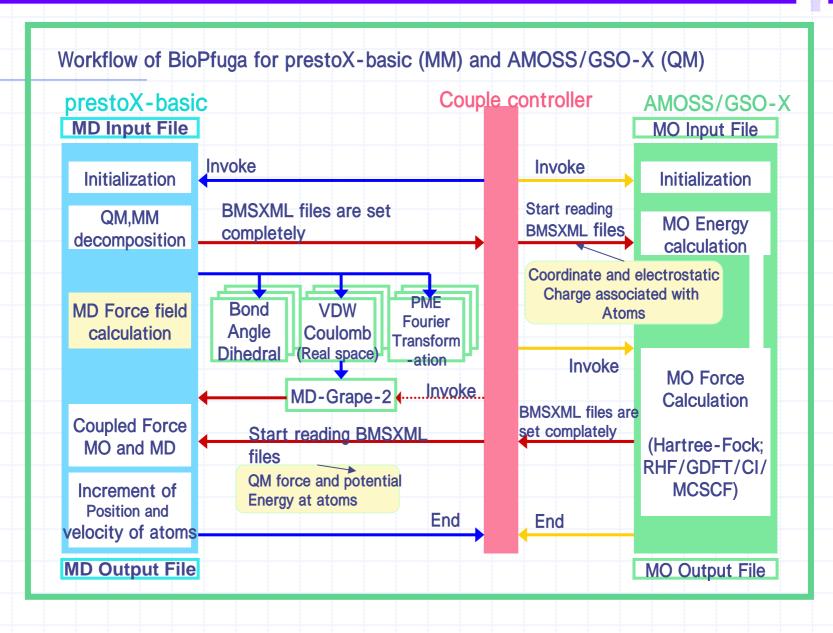
Electron level Simulation

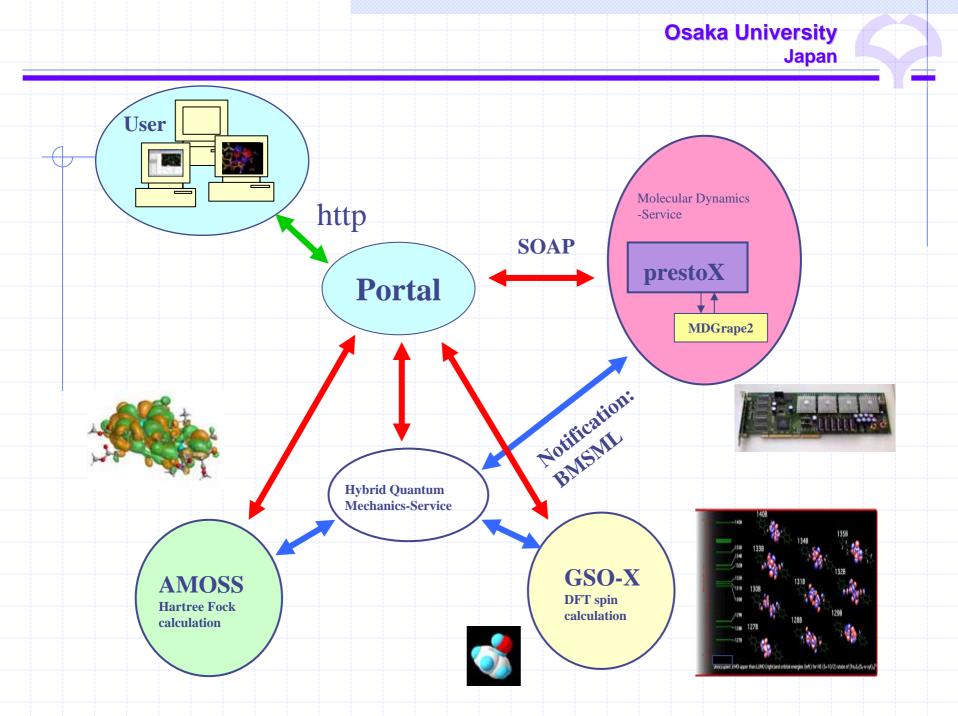


Biochemical Reactions; AMOSS and GSO-X The quantum chemical program for computing ab initio molecular orbital.

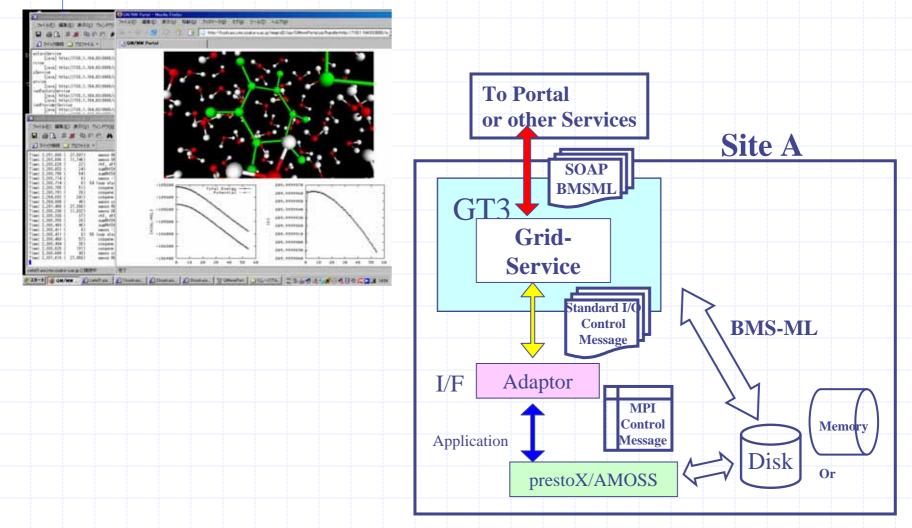




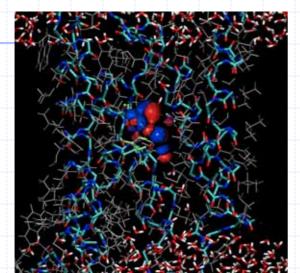


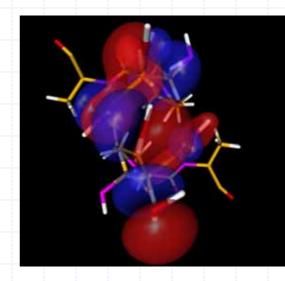


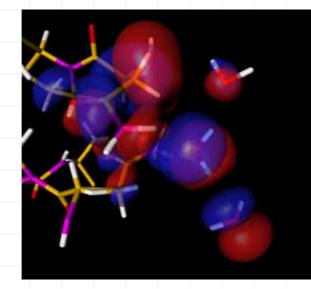
Data transfer of Grid-Service for QM/MM Calculation on *BioPfuga*



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This work Supported by

