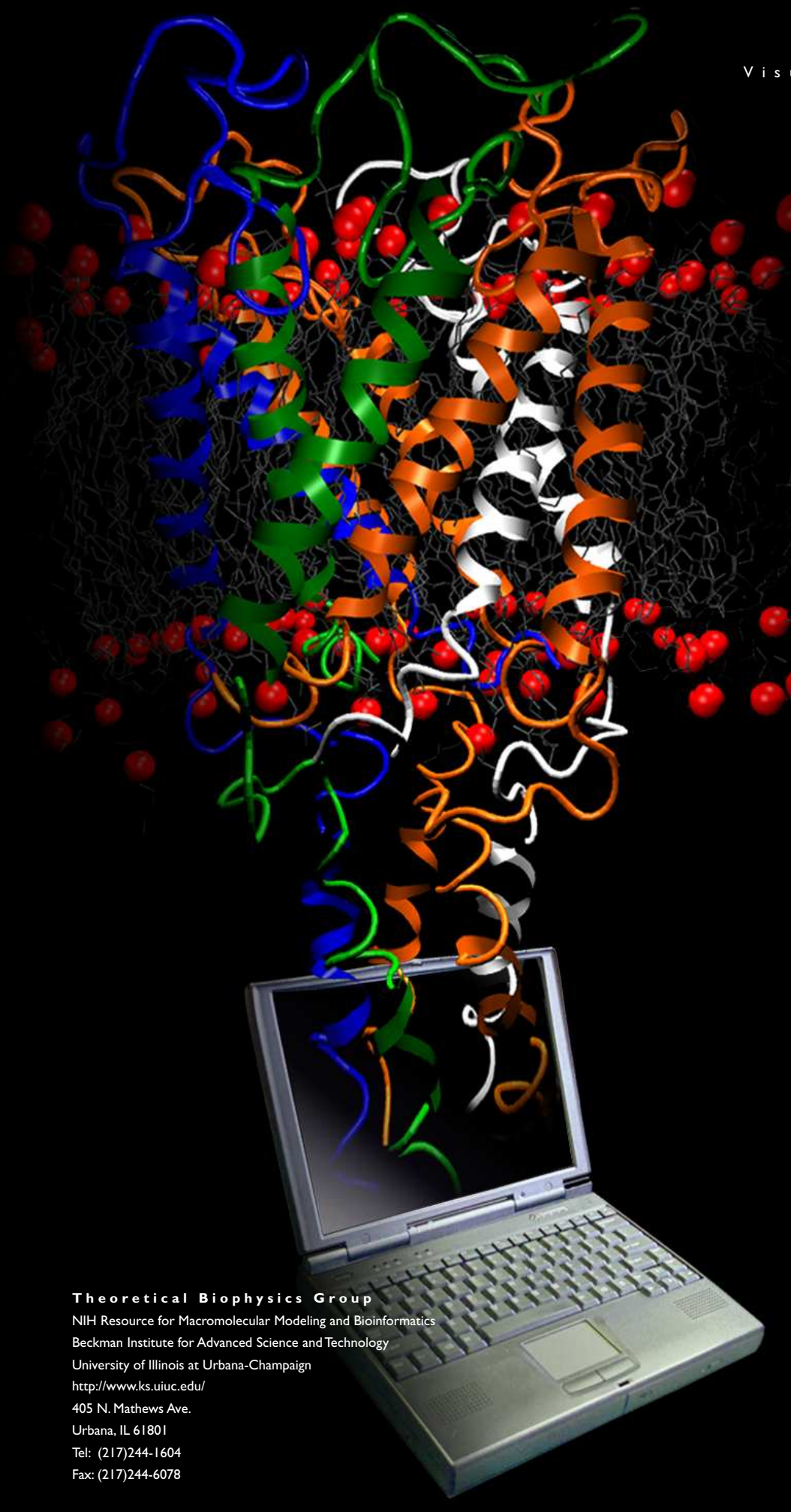
# VMD

Visual Molecular Dynamics



**VMD** is a versatile, modifiable, fully documented molecular visualization program, and is freely distributed.

**VMD** facilitates the study of macromolecules in an immediate and visual way.

**VMD** benefits research and training in biology, physics, chemistry, biochemistry, and biophysics.

**VMD** supports Microsoft Windows 95/98/NT, and a wide variety of UNIX platforms.

http://www.ks.uiuc.edu/Research/vmd

**VMD** is the visualization component of MDScope, an interactive computing environment for the simulation and study of biopolymers.

**VMD** can act as a graphical front-end for external molecular dynamics programs by displaying and animating remotely simulated molecules.

**VMD** offers numerous methods for rendering and coloring molecules and for animating and analyzing molecular dynamics trajectories.

## FEATURES

- Flexible atom selections
- Tcl based command and scripting language
- Static docking and structure alignment
- Display of multiple molecules simultaneously
- PDB, PSF, DCD and CRD file reading support
- Automatic conversion from other file formats
- Accelerated 3D rendering and stereoscopic display
- Scene export to external ray tracers

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