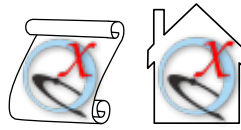
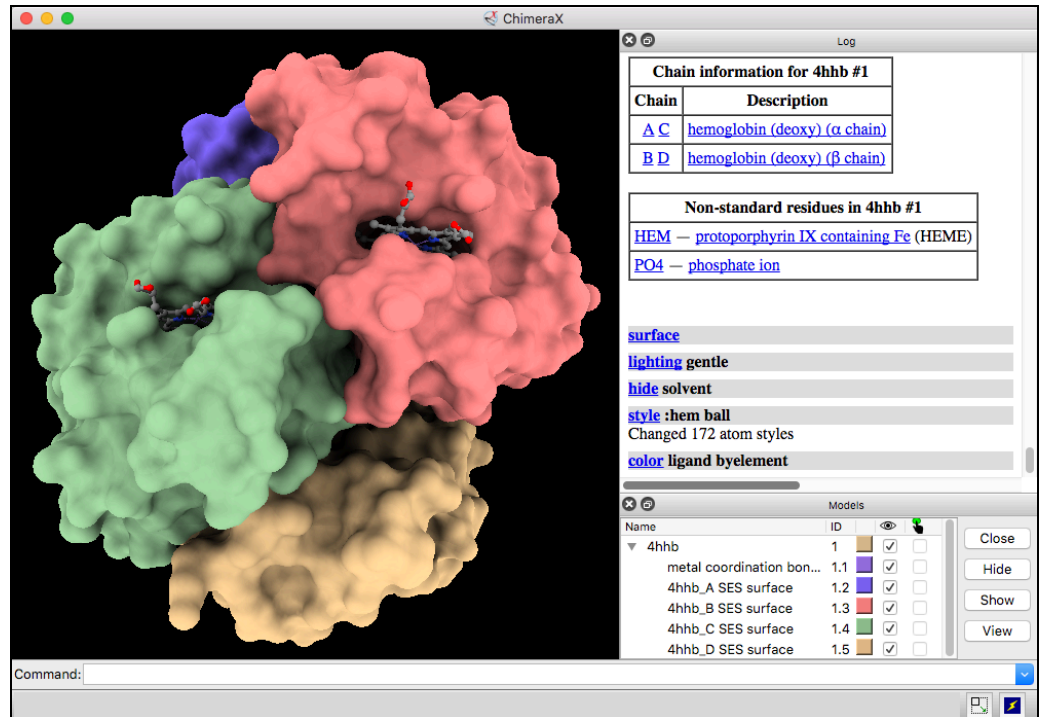
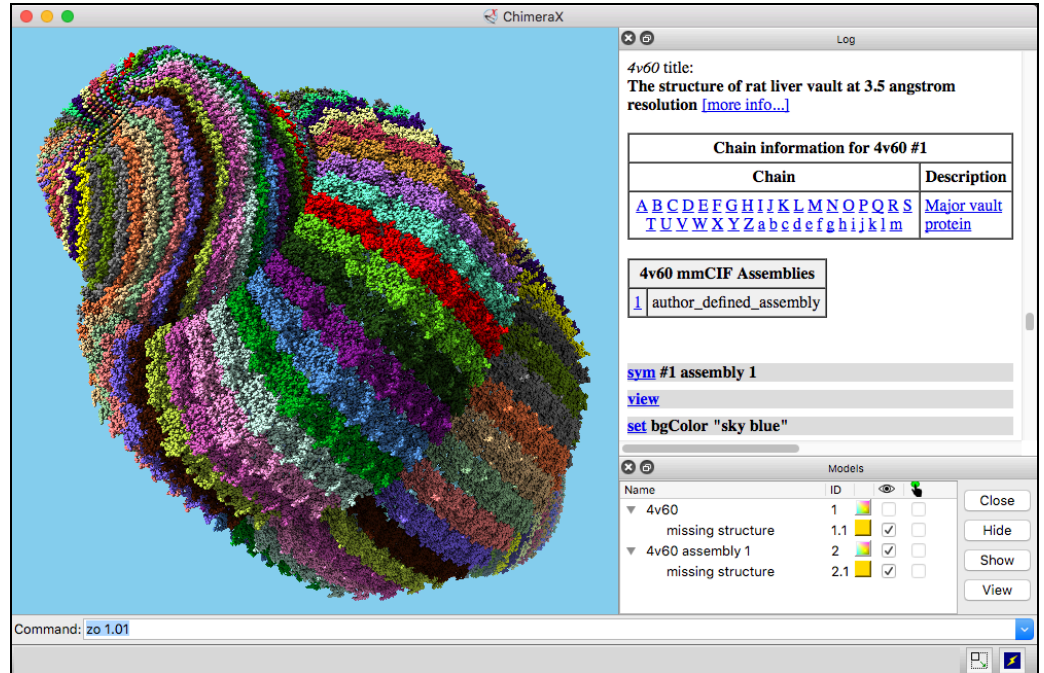


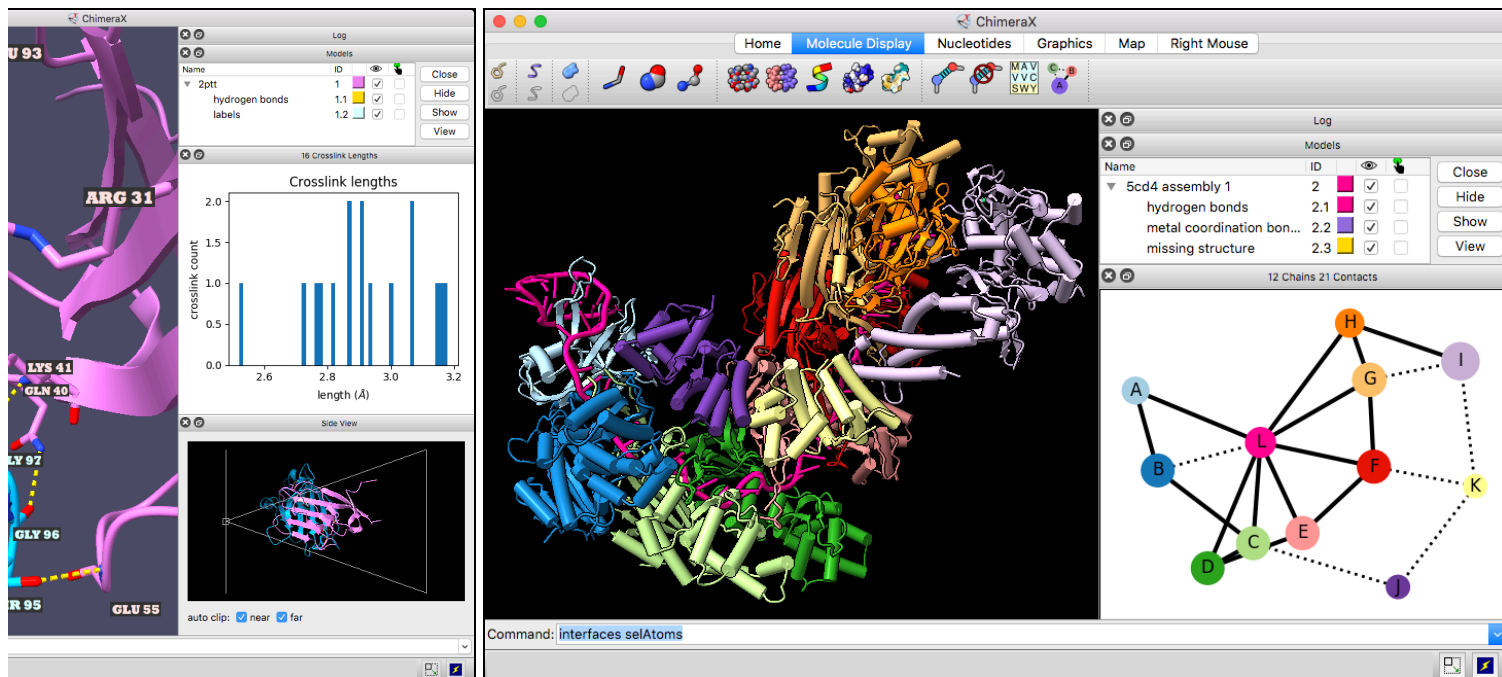
UCSF ChimeraX Advantages



ChimeraX provides several advantages relative to Chimera, and the list will continue to grow. A small sample is given below. See also: [feature highlights](#), [example images](#)

- High-performance manipulation and rendering of large numbers of atoms
- Fast mmCIF reader and ability to [write mmCIF](#)
- Fast and robust [solvent-excluded surfaces](#)
- Interactive ambient-occlusion [lighting modes](#)
- Curved-cylinder “tube” helices integrated with [cartoon style](#)
- [Virtual reality](#) mode for systems supported by SteamVR (Oculus Rift, HTC Vive, Samsung Odyssey), as shown in [PBS Newshour: Flu Vaccine](#) and [UCSF School of Pharmacy News](#)
- [Toolbar](#) with icons to change display styles,





lighting modes, or mouse-button assignments with a single click

- All-in-one [window](#) in which tool interfaces are panels that can be shown, hidden, and repositioned
- Tool panels may incorporate interactive 2D plots and diagrams, and HTML with links and images
- Built-in [HTML browser](#) with simple mechanism to execute ChimeraX commands by clicking links (handy for demonstrations)
- [Toolshed](#) web repository of ChimeraX plugins for easy installation and updates, supporting community development
- [Modeller interface](#) for the comparative modeling of homo- and hetero-multimeric complexes (in addition to single-chain modeling)
- Features for working with [DICOM medical imaging data](#)