



**Why WMD?**

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- [https://en.wikipedia.org/wiki/List\\_of\\_molecular\\_graphics\\_systems](https://en.wikipedia.org/wiki/List_of_molecular_graphics_systems)

- Why VMD?
  - Free
  - Works on multiple platforms
  - Powerful atom selection
  - Scriptable
  - Strong with molecular dynamics trajectories
  - Visualization of volumetric data, e.g. electrostatic potentials

• **USF** **Chinmei** **asatisfies** **most** **if** **not** **all** **of** **these** **criteria**



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- UCSF Chimera also satisfies most if not all of these criteria

# What can be done with VMD?

- Most of the “Gallery” graphics
  - the Theoretical and Computational Biophysics Group at UIUC (<https://www.ks.uiuc.edu/Gallery/Science-New/>)
  - on my group’s web page ([http://mypages.iit.edu/~dminh/Computational\\_Chemical\\_Biology/Gallery.html](http://mypages.iit.edu/~dminh/Computational_Chemical_Biology/Gallery.html))
- Scripting makes certain tasks possible