

Web3D Quickstart Motivation

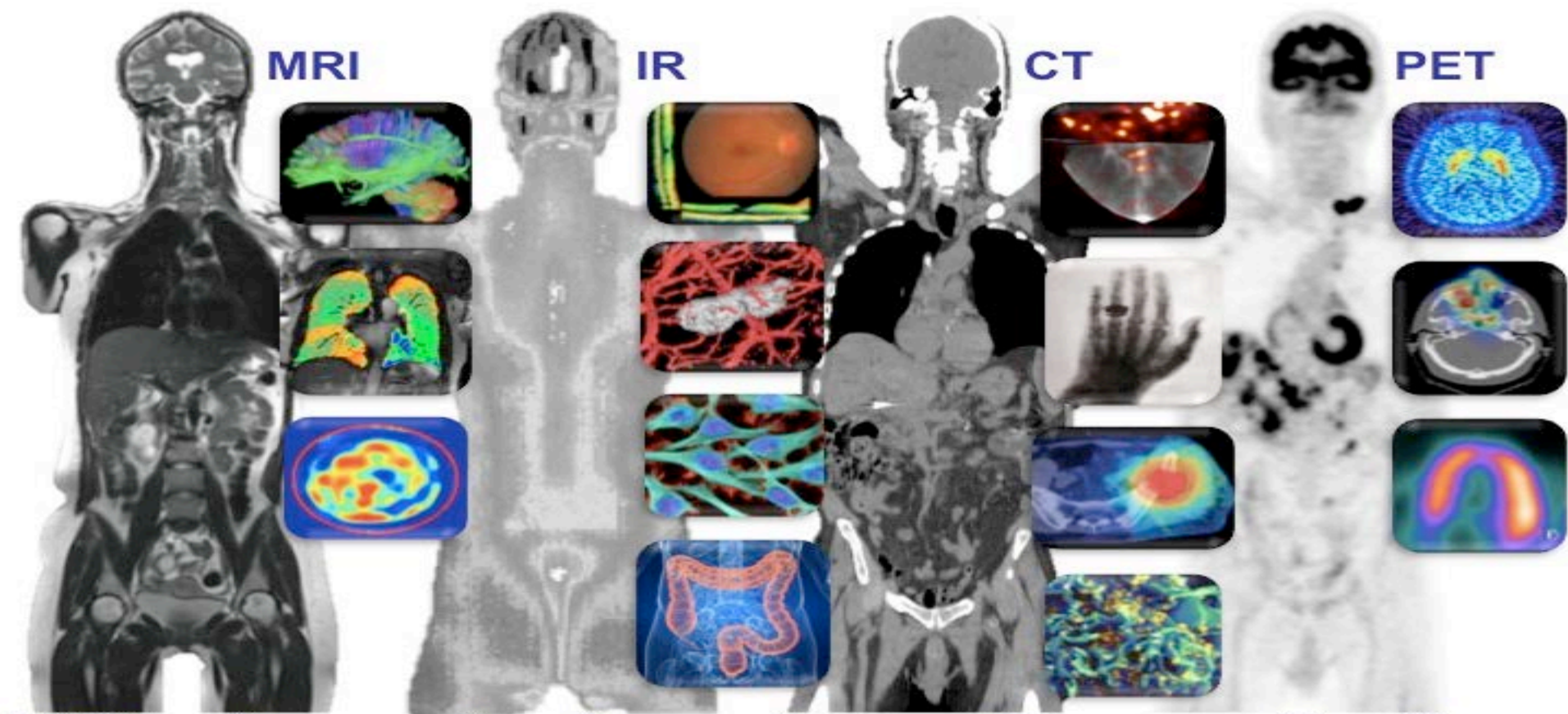
AMIA Summit 2019
San Francisco

Michael Aratow, MD, FACEP
San Mateo Medical Center



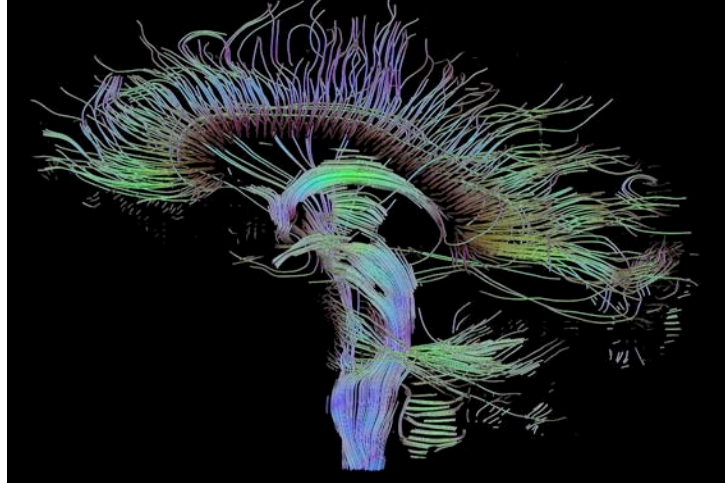
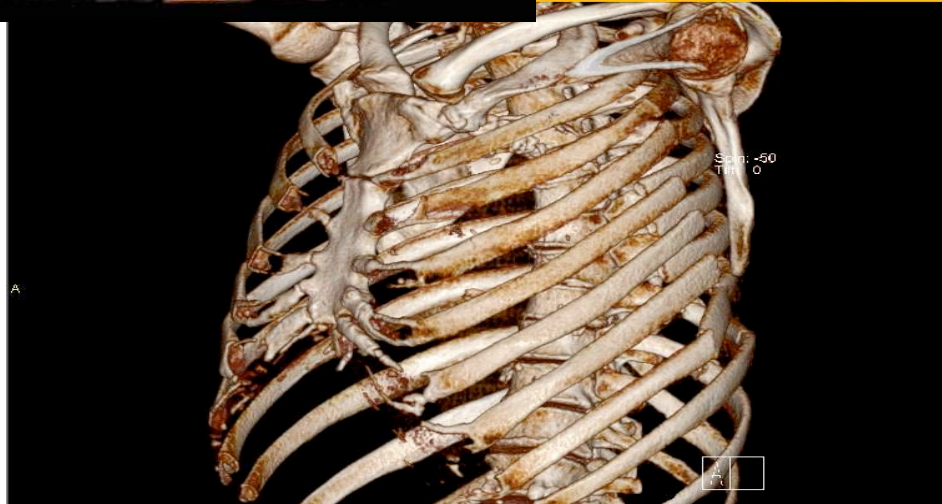
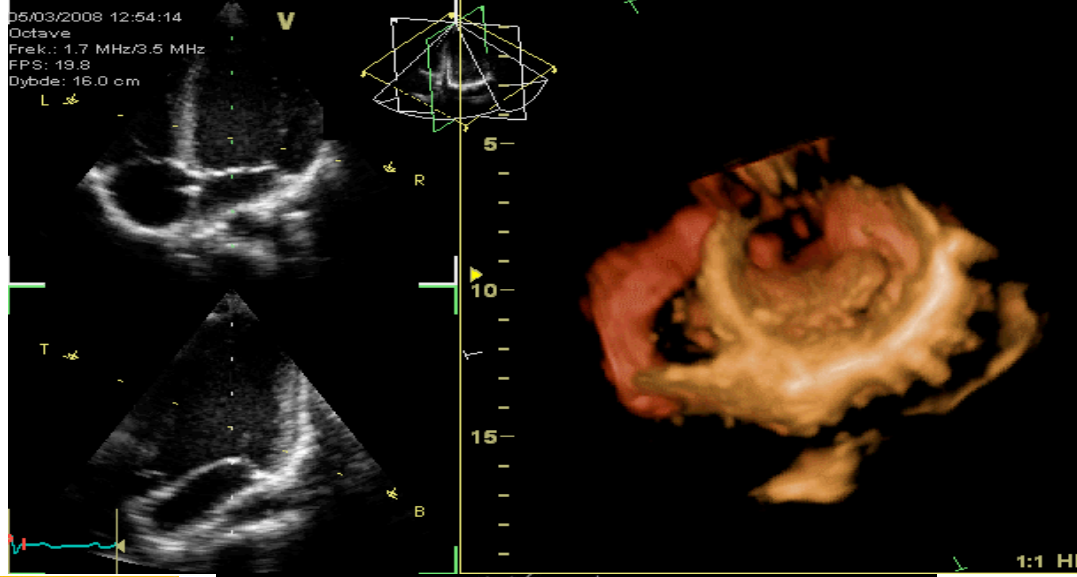
Why a 3D medical standard?

- A key for interoperability:
 - PACS systems
 - Simulation systems
 - Virtual Humans
 - Electronic Health Records
- A 3D medical standard can enable improvements in medical care:
 - Enhanced informed consent
 - Surgical planning and performance
 - Medical education
 - Accessibility
 - Licensing/Certification
 - Diagnostics
 - Therapeutics



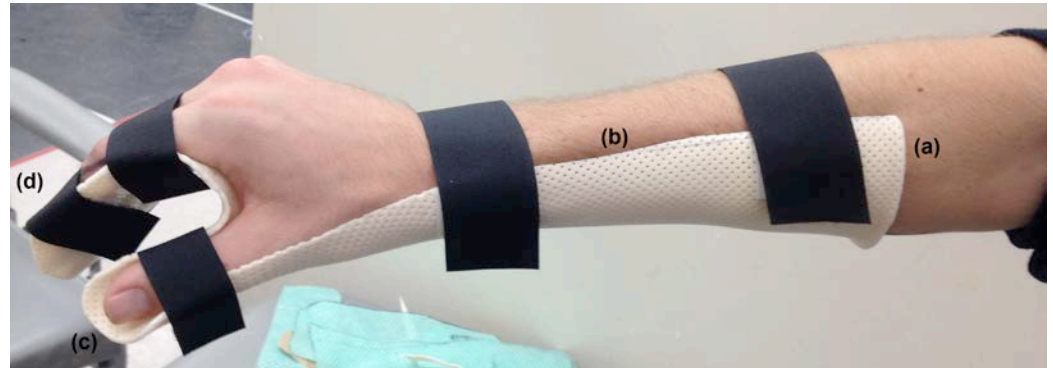


05/03/2008 12:54:14
Octave
Frek.: 1.7 MHz/3.5 MHz
FPS: 19.8
Dybde: 16.0 cm





Ankle Stirrup Splint



NIH



3D

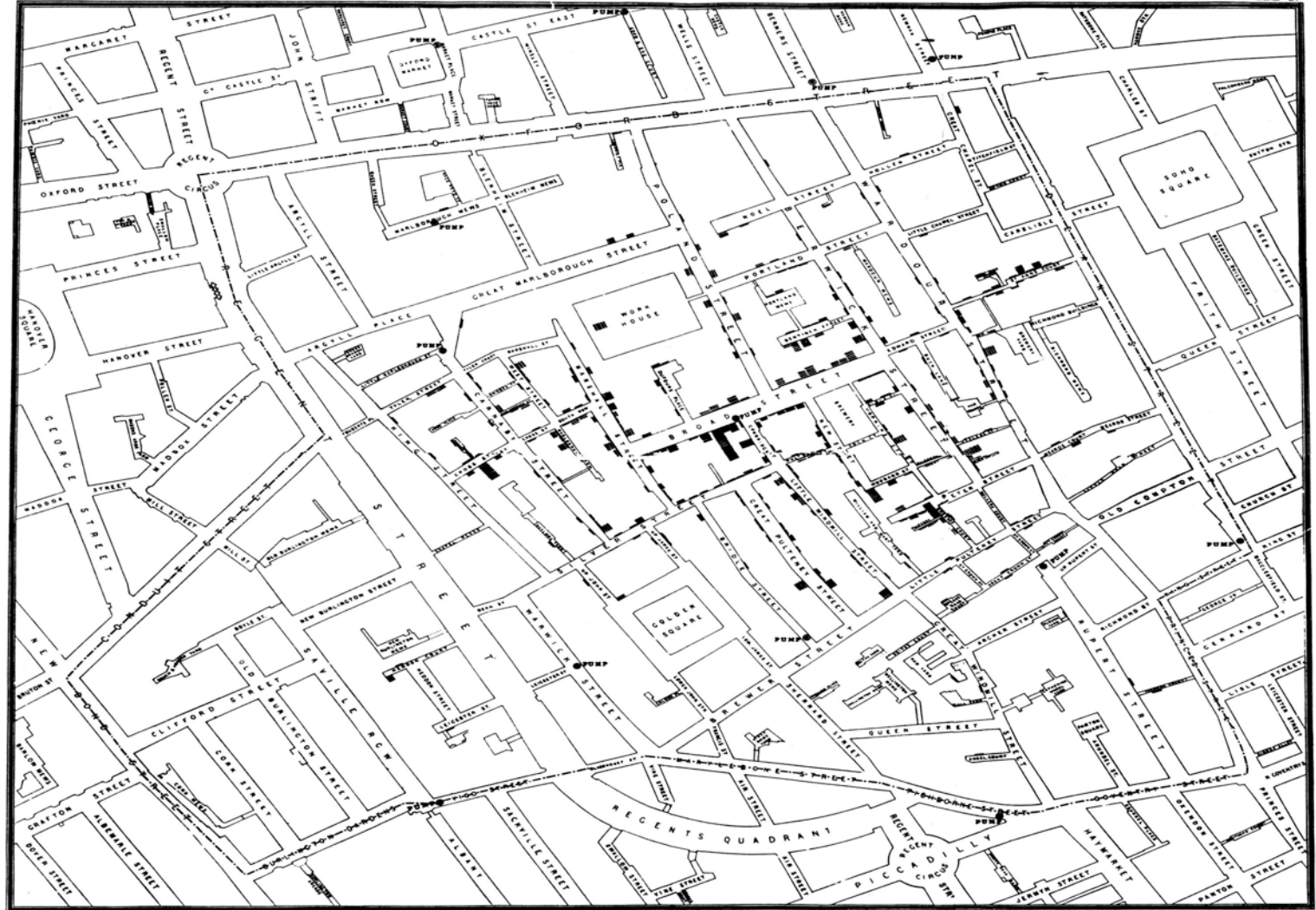
**PRINT
EXCHANGE**

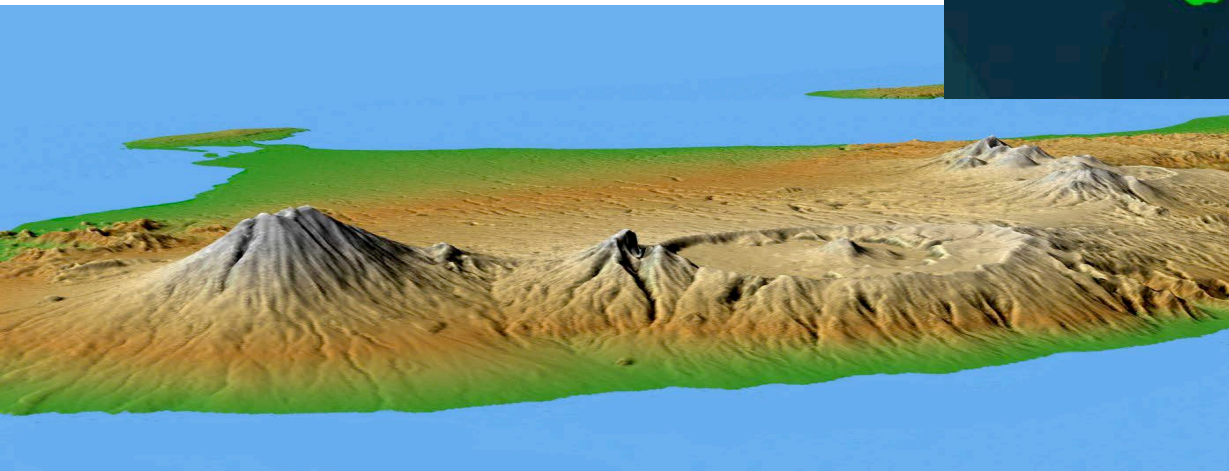
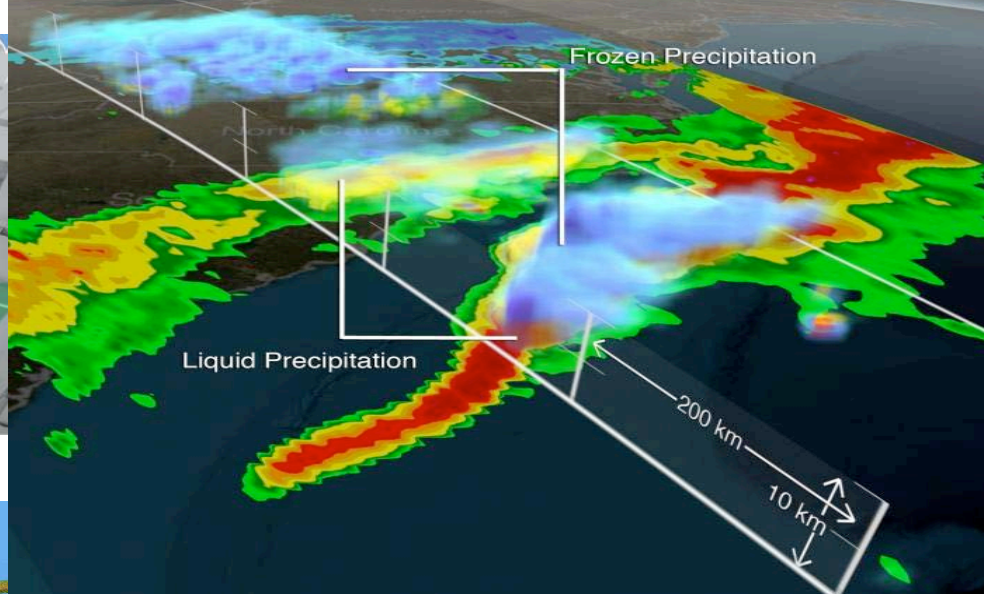
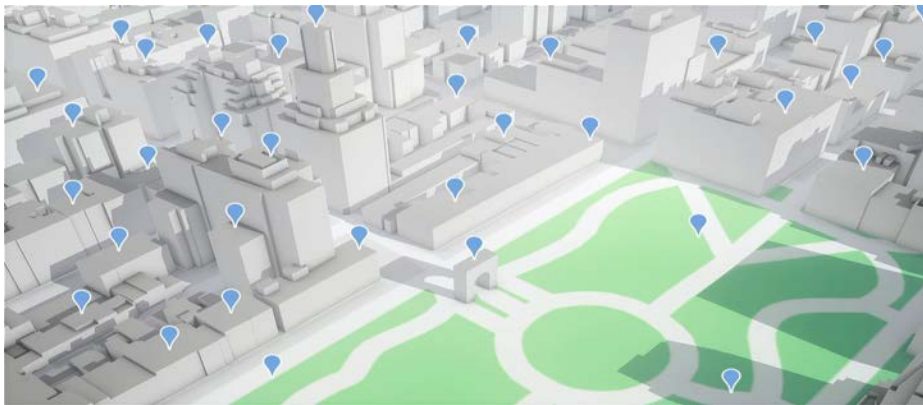
Education

PreSurgical Planning

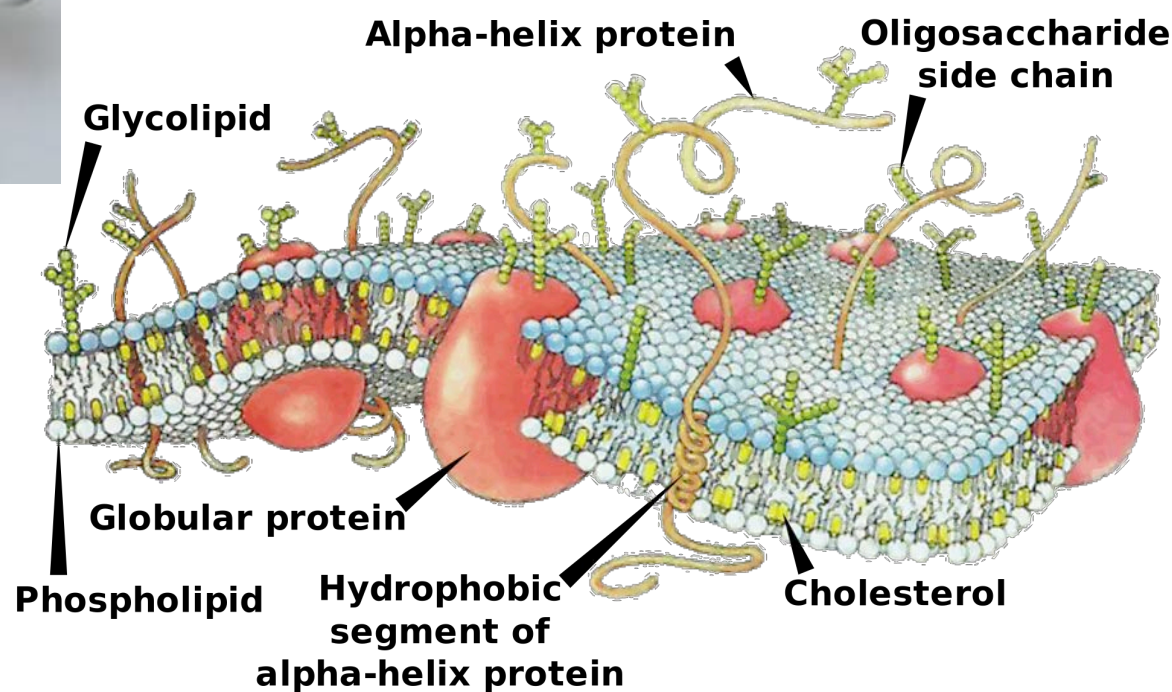
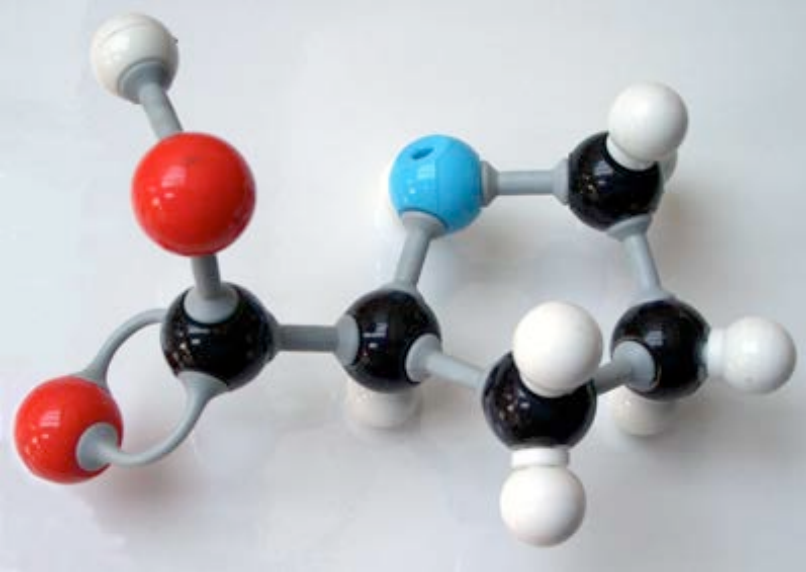
Simulation

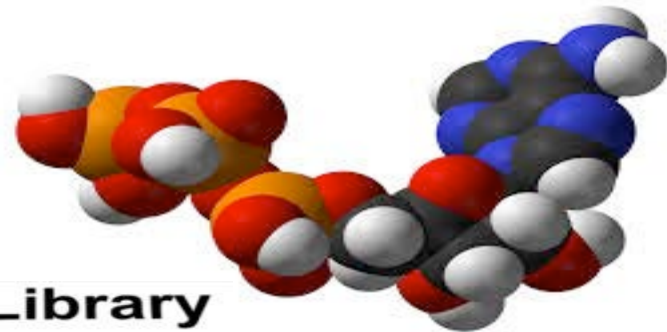
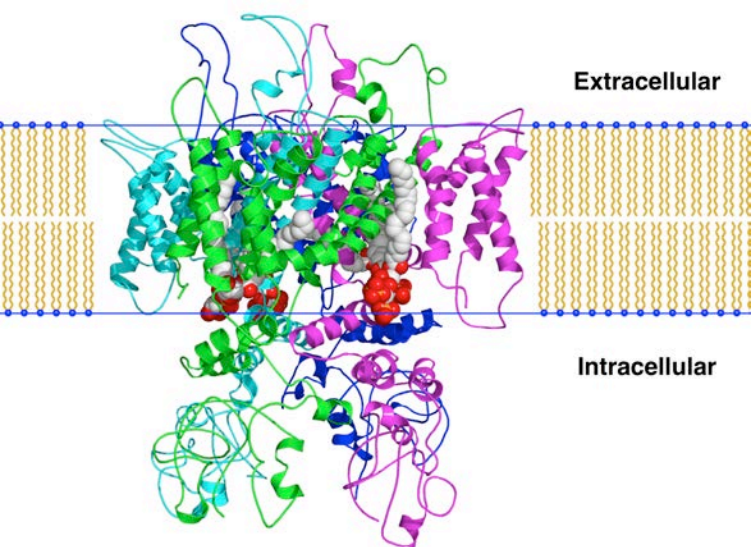
Splints





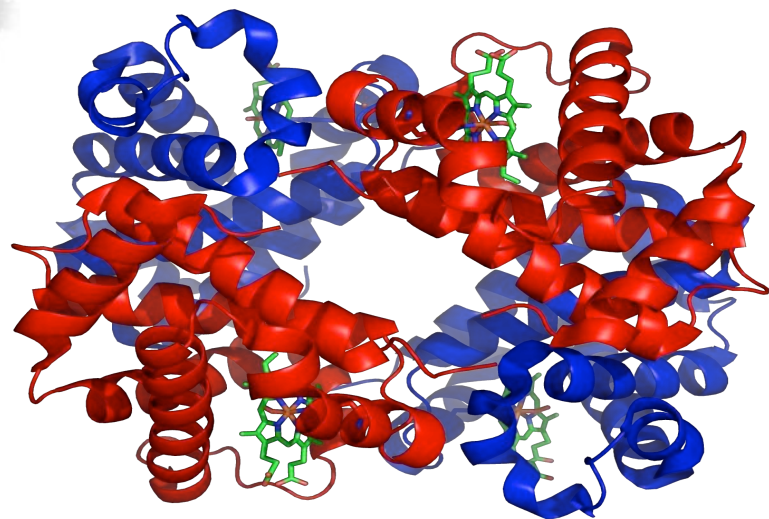
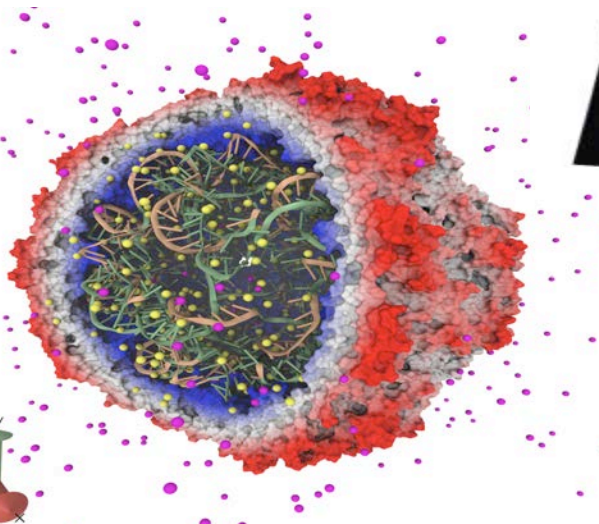
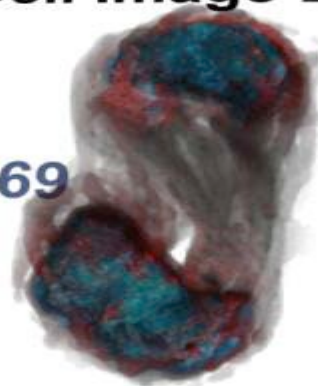
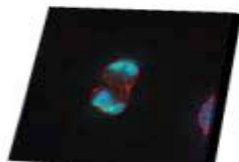
Geo

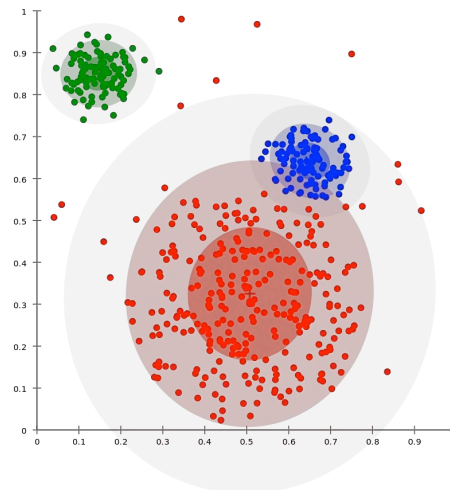




Cell Image Library

12169





Gotz D, Sun J, Cao N, Ebadollahi S. Visual cluster analysis in support of clinical decision intelligence. AMIA Annu Symp Proc. 2011;2011:481-90.



WebXR