

# ICM Browser Pro

## Runs on:

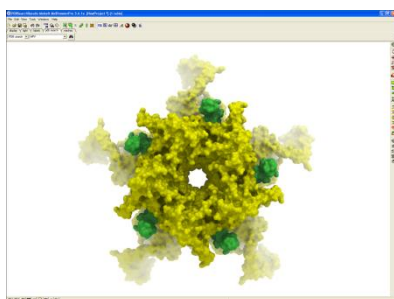
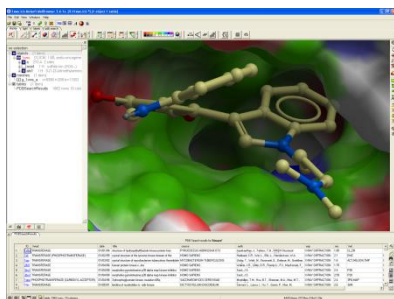


## Licensing:

Perpetual.

## License Type:

Single user machine.



**ICM-Browser-Pro** is a high quality visualizer and annotator for three dimensional molecular structures, sequences and alignments, chemical spreadsheets and biological data. It allows you to **read** data from multiple file formats, **annotate** the data, and **write** multi-slide documents in a single small cross-platform file. ICM-Browser-Pro is well suited for creating, storing and sharing structural, biological and chemical information. The files can then be opened and viewed with the free ICM Browser.

## Build Fully-Annotated and Interactive Files to Display in PowerPoint and the Web.

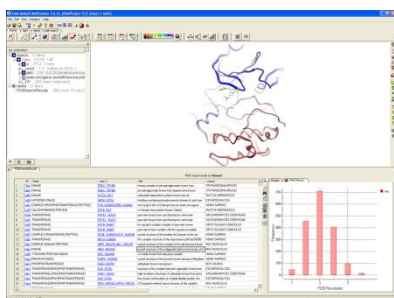
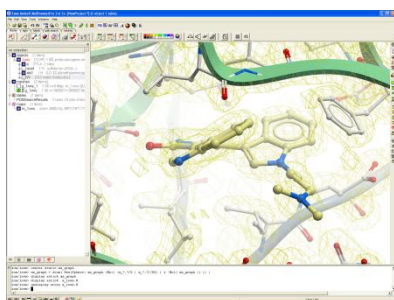
Save multiple annotated and animated views/slides of your molecules and save them to display in PowerPoint and on the web using the free AcriveICM plugin.

- Memorize a view, a **slide**, with all attributes with a **single click**.
- Automatically memorize the **animation** state of a slide.
- Allow smooth animated view **transitions** between slides.
- Memorize the **layout** of tables, alignments, chemical spreadsheets go with a particular slide
- Read in or create a **text** annotation window with hyperlinks.
- Allow hyperlinks to perform **actions** in the graphics window.
- Write the **multi-slide**, multi-object presentation (or document) into a **small single cross-platform file** ( an .icb file)  
- Patent Pending

## Publication Quality Molecular Graphics.

Utilize a full and robust array of graphics tools all accessible from a GUI interface. Display your molecules in wire, CPK, ball & stick, worm, ribbon, accessible surface, transparent molecular surface, perspective, depth cueing, smooth and rugged solid surfaces. Use both hardware and side-by-side stereo.

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## Sequence and Alignment Tools.

Read and display sequences and alignments, extract sequences from 3D structure, multiple coloring of the alignment, sequence and alignment annotation and connection with the 3D structure.

## Movie Making Made Simple.

ICM-Browser-Pro enables you to make molecular movies by dumping whatever is displayed on the screen into a movie file. You can pause and change the scene and include beautiful transitions from one position to another.

## Structure Analysis Tools.

Calculate protein contact areas, closed cavities, surface area, display distances and angles, display fully-interactive Ramachandran plots, superimpose multiple structures.

## Crystallographic Analysis Tools.

Crystallographic analysis tools are available including a direct link to the electron density map repository, map contour, crystallographic cell, neighbors and biomolecules.

## Plus all the tools in ICM-Browser!

## References.

*Abagyan et al.* Disseminating structural genomics data to the public: from a data dump to an animated story (2006). Trends Biochem Sci. 2006 Feb;31(2):76-8.

*Lee et al.* SGC - Structural Biology and Human Health: A New Approach to Publishing Structural Biology Results (2009). PLoS ONE 4(10.)

*Raush et al.* A New Method for Publishing Three-Dimensional Content (2009). PLoS ONE 4(10)