

# Art as a Tool for Structural Biology

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Artistic methods have been widely used to visualize, explore and disseminate the structures of biological molecules. With each decade of structural biology research, new artistic tools have been developed to address the challenges of the times, and today, structural biologists have at their disposal a powerful toolbox of artistic methods. Over the course of my career, I have made two contributions to this toolbox: non-photorealistic rendering techniques to create friendly and engaging digital images of molecules, and illustrations of biological molecules in their cellular context painted with traditional media. With the RCSB Protein Data Bank, I have applied these tools to create materials for structural biology outreach and education, including the popular "Molecule of the Month" feature.



Figure 1