

BioMolViz: A Community to Improve Biomolecular Visual Literacy

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Biochemistry relies heavily on the use of images and diagrams to make the abstract tangible. Yet, as biochemistry instructors, how do we know whether our students see the same things we instructors see? BioMolViz (biomolviz.org) is a community of practice dedicated to the instruction and assessment of biomolecular visual literacy. To this end, BioMolViz created the Biomolecular Visualization Framework, an assessment tool that identifies more than 200 learning objectives clustered under twelve overarching themes, such as Structure-Function and Alternate Renderings. The team is currently assembling a searchable repository to host assessment instruments for each of these learning objectives. To aid in its construction, BioMolViz is recruiting participants to help write, revise, and pilot these instruments in the classroom. Here, we introduce the Framework, share various BioMolViz projects, and invite like-minded individuals to work with us to build students' biomolecular visual literacy.