

# VTX: From High Performance Molecular Visualization to Integrative Modeling of Massive Molecular Systems

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Molecular visualization is a critical task usually performed by structural and computational biologists to aid three processes that are essential in science and fundamental to understand structural molecular biology: synthesis, analysis and communication.

Here we present VTX, a new molecular visualization software [1] that includes a real-time high-performance molecular graphics engine dedicated to the visualization of the structure and dynamics of massive molecular systems [2]. It is capable to process most molecular structures and trajectories file formats. VTX integrates innovative representations, fully customizable and usable interfaces, python bindings, and different tools and interfaces for molecular simulation.

VTX constitutes the basis of the next generation integrative molecular modeling platform.

VTX is open-source (source available at <https://github.com/VTX-Molecular-Visualization/VTX>) and free for non-commercial use (builds available at <http://vtx.drugdesign.fr>)

## Bibliography :

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