

ProtVista for Everyone: Get Involved!

ProtVista visualises protein features in a web browser. Improvements are coming and we need you to help us shape them.

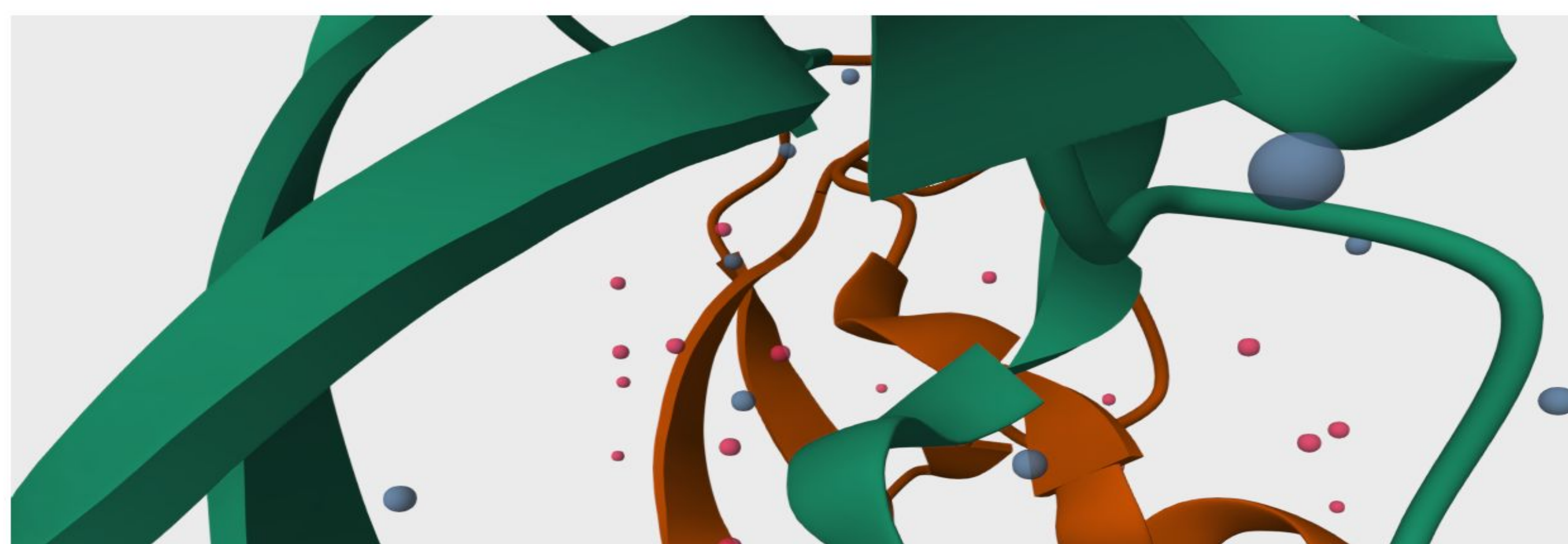
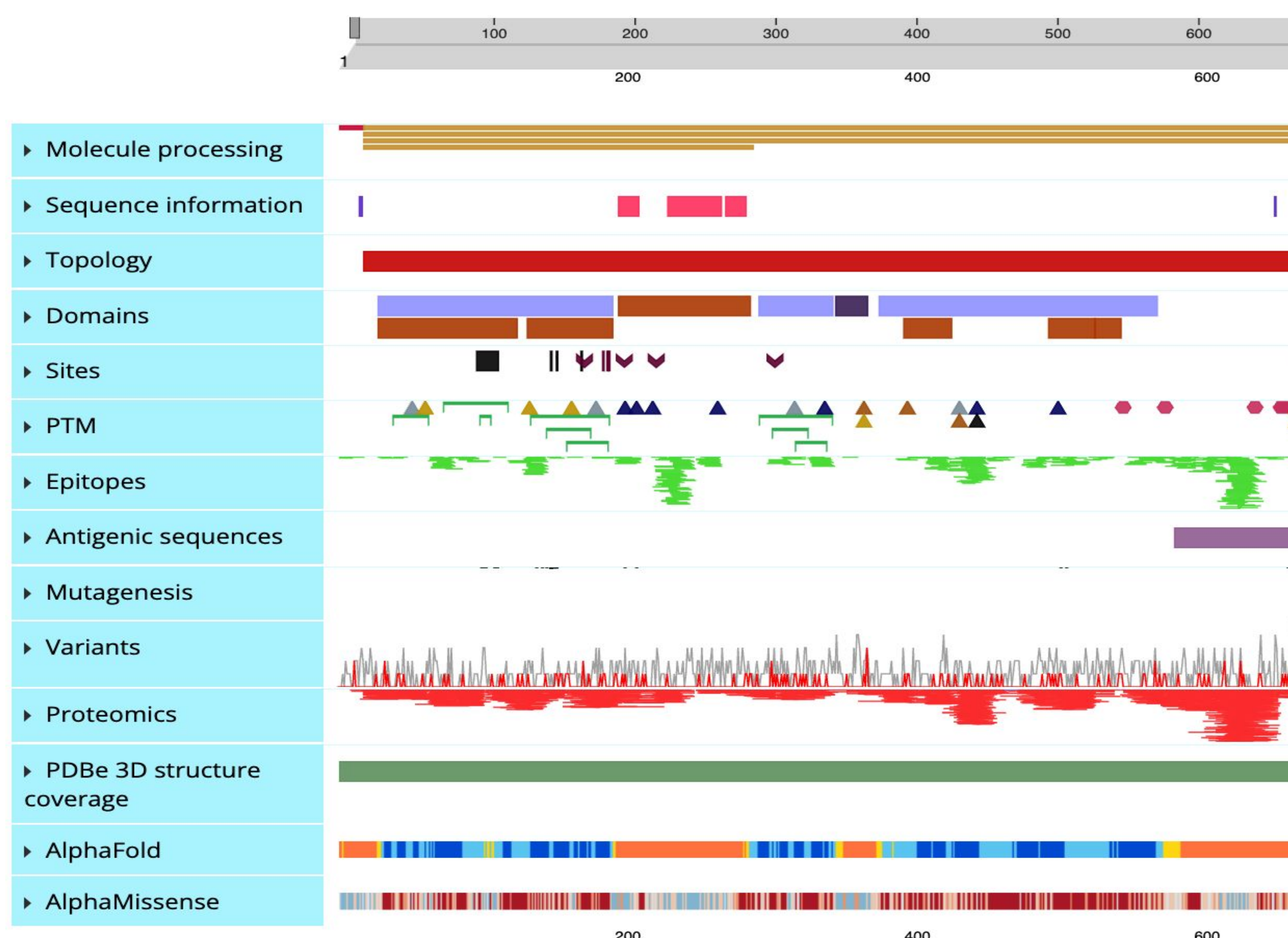
Daniel Rice, Swaathi Kandasaamy, Minjoon Kim, Maria Martin

EMBL- European Bioinformatics Institute, Wellcome Genome Campus, Hinxton, Cambridgeshire, CB10 1SD, UK



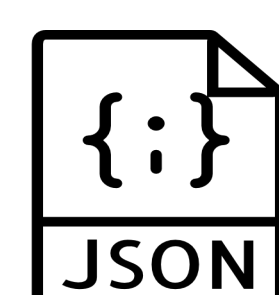
ProtVista now

ProtVista is a web component that provides a unified, streamlined interface for exploring protein annotations and structures. While it currently integrates UniProt and EMBL-EBI data, our next step is to facilitate access to other data sources.



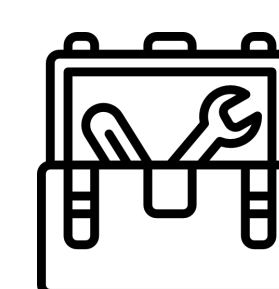
Improvements coming in 2026

We are actively developing a no-code, fully customisable platform making it easy for anyone to incorporate and visualize diverse external data. We would love community input to shape it!



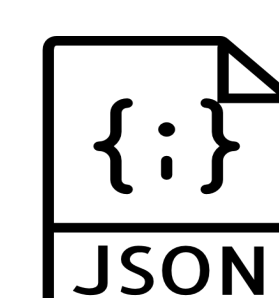
No code setup

Users supply a JSON config file with categories, tracks, data sources, and rendering options.



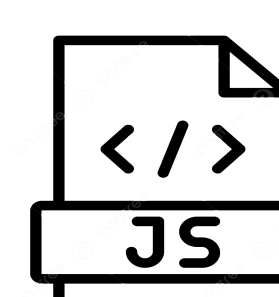
Starter kit

Standalone repository to start visualising demo data with just HTML and JSON.



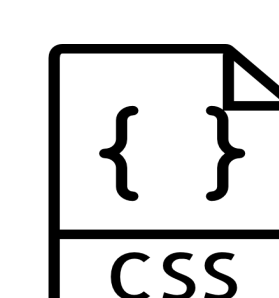
Data payload contracts

Published schemas defining exactly how your data must be structured for ProtVista's built-in tracks to render it.



Modular API for advanced users

Advanced users inject custom logic for their data needs.



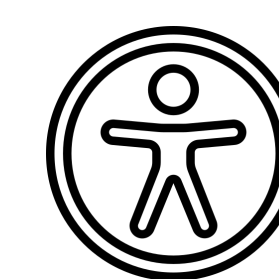
Custom styling and canvas rendering

Use modern style web standards for custom themes and interface. Canvas for optimized performance.



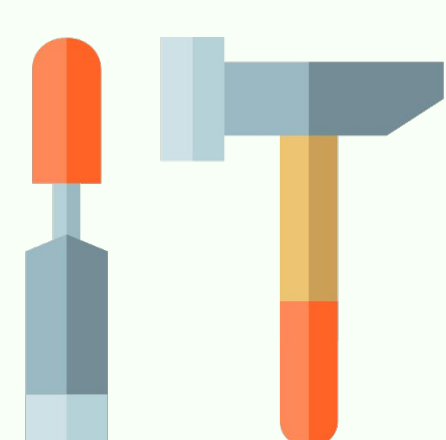
Interactive playground

Live demo to play and interact with ProtVista without needing to touch any code.



Accessibility & WCAG compliance

Keyboard navigation, colour-blind-friendly palettes, ARIA labelling, and screen-reader support.



Help shape ProtVista

- Give us your opinion
- What would be useful to you?
- **Online hackathon**
7-9 October 2026
- Contribute changes to the codebase



Try it out

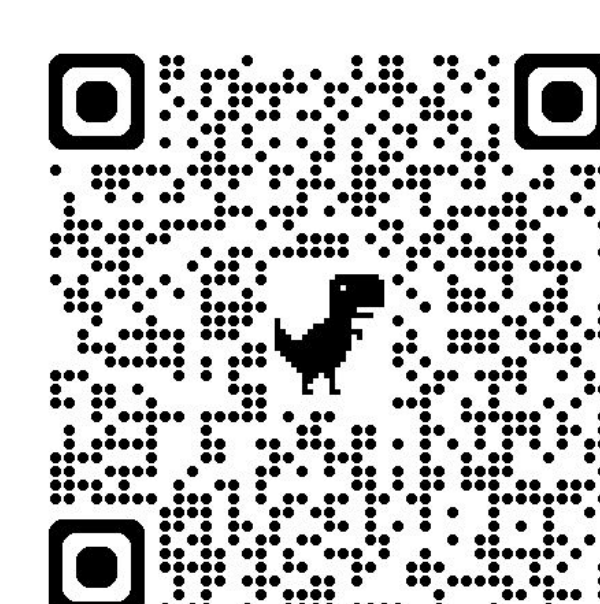
- Create your config file
- Point at your own data (API or local files)
- View ProtVista within your browser



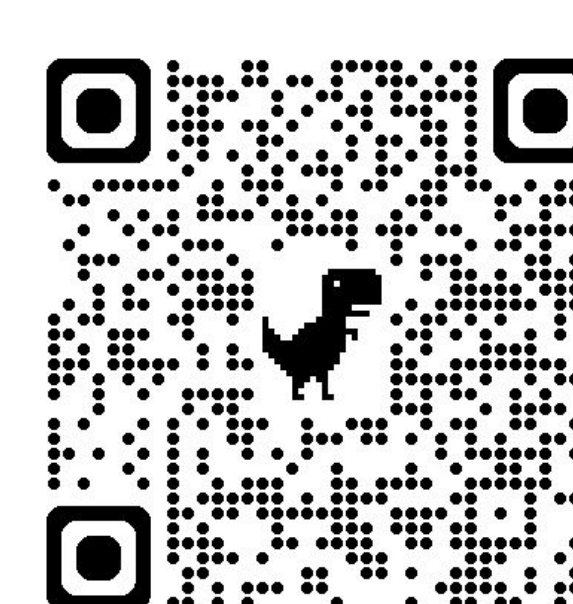
Reach out

- Virtual monthly drop-in office hours
- Visit our repository for more information
- Fork and contribute

Survey



GitHub



Features coming after 2026

AI Integration: interactive ProtVista widgets within LLM chat interfaces

Interoperability with MolViewSpec: Toward unified 1D–3D workflows