

BioSAS: Advanced Applications

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SASSIE-web

Access

SASSIE can be accessed on the web at <https://sassie-web.chem.utk.edu/sassie2>. A modern HTML5 compatible web browser with Javascript enabled such as Chrome, Firefox, Opera or Safari is required to run the application. You can check the compatibility of your browser to HTML 5 at <https://html5test.com>.

Tutorial Topics

This SASSIE tutorial will begin with an overview talk of the SASSIE software suite, followed by a hands-on demo of SASSIE-web. We will cover the following workflows that are described in the SASSIE-web documentation, along with selected advanced topics depending on time and audience interest.

- [Quick Start workflow](#): SANS data on HIV-1 Gag protein
- [ssRNA Example SASSIE workflow](#): SAXS data on intron from HIV-1 viral SSRNA

The complete SASSIE docs pages can be accessed at https://sassie-web.chem.utk.edu/docs/sassie_docs.html.

Additional Information

Basic SASSIE usage, including registration and navigation of the SASSIE-web pages, will be covered as we go along. However, it can be reviewed ahead of time [here](#) if desired.

[VMD](#) will be used for molecular visualization in this tutorial, but we will not teach how to use it. A molecular viewing program is not required for this tutorial. But, if you want to view your structures as we go along, we provide a short VMD tutorial that includes installation instructions [here](#). Alternatively, you can use any molecular viewing program that can display PDB and DCD files.