

August 11-14th at the Crowne Plaza Hotel in downtown Knoxville, TN



Contribution ID: 85

Type: **Poster Only**

## Advancing Liquid Handling Capabilities at Bio-SANS

Liquid handling capabilities at the Bio-SANS beamline are being advanced through a combination of sample environment developments. Continuous flow size-exclusion chromatography SANS (SEC-SANS) is now available to support in situ separation of complex samples, reducing aggregation and enabling analysis of labile species. A stopped-flow capability and a robotic pipetting system are also under active development to support time-resolved studies and automated sample preparation respectively. These efforts aim to broaden experimental possibilities as well as improve the consistency and reliability of sample handling for biological SANS studies.

### Topical Area

Biology and life sciences

**Author:** WEISS, Kevin

**Co-authors:** PINGALI, Sai Venkatesh; LEITE, Wellington (Oak Ridge National Laboratory); HICKS, Alan (Oak Ridge National Laboratory); O'NEILL, Hugh (Oak Ridge National Laboratory)

**Presenter:** WEISS, Kevin