



	<b>Experiment title:</b> ISMB application, Birkbeck; School of Pharmacy & NPP, UCL; Biological and Chemical Sciences, Queen Mary College London. SAXS-Barrett & Cheung groups	<b>Experiment number:</b> MX1983
<b>Beamline:</b> BM29	<b>Date of experiment:</b> from: 21/11/2018 to: 22/11/2018	<b>Date of report:</b> 25/02/2019
<b>Shifts:</b> 12	<b>Local contact(s):</b> 23/4 N/A 30/06: Bowler M 12/07: De Sanctis D 1/12: Melnikov I	<i>Received at ESRF:</i>
<b>Names and affiliations of applicants</b> (* indicates experimentalists): Nikos Pinotsis, ISMB, Birkbeck College Tracey Barrett, ISMB, Birkbeck College Emir Aciyan, Cheung group, ISMB, Birkbeck College		

**Report:**

## Cheung group:

The Cheung group has made progress in understanding the structure and architecture of the *S. cerevisiae* complex: TINTIN, which plays a role in transcription elongation rates via a proposed interaction with RNA Pol II. The complex has yet to be structurally characterised to a high resolution through crystallography or electron microscopy. SAXS data obtained at ESRF, has enabled us to confirm the oligomeric state of the complex, as well as a proposed highly extended conformation. We will use this data in parallel with native mass spectrometry data to better understand the structure of the complex which may lead to functional insights

## Barrett group:

During this trip, SAXS data were successfully collected on complexes involving vFLIP (native and several mutants) and IKK $\gamma$ . This trip was very successful resulting in full datasets being obtained for all samples in both batch and HPLC data collection modes. The data is currently being analysed.

