



	Experiment title: ISMB application, Birkbeck; School of Pharmacy & NPP, UCL; Biological and Chemical Sciences, Queen Mary College London. Wallace group	Experiment number: MX1983
Beamline: ID30B	Date of experiment: from: 21/04/2018 to: 22/04/2018	Date of report: 25/02/2019 <i>Received at ESRF:</i>
Shifts: 3	Local contact(s): G Leonard	
Names and affiliations of applicants (* indicates experimentalists): Giulia Montini, Wallace group, ISMB, Birkbeck College		

Report: The Wallace Group's work is focused on elucidating the nature of the transmembrane fenestrations in voltage-gated sodium channels. These are the sites for the ingress of hydrophobic drug compounds to their binding sites in the centre of the transmembrane pore. These studies were to have included comparison of native and mutant sodium channels, where the mutations were designed to block the fenestrations and drug binding.

We had one partial session for data collection, but unfortunately there were problems with the robot and we were not able to collect a single data set. These will be the subject of future beamtime applications.

