

Key equipment and techniques in the Gobind Khorana Protein Engineering Core

- Protein expression and purification
 - Three AKTA Fast protein liquid chromatography (FPLC) systems
- Biophysical characterization of protein integrity
 - Dynamic light scattering (DLS)
 - Thermal shift assay
- Drug validation
 - BioLayer Interferometry (BLI)
 - Isothermal Titration Calorimetry (ITC)
 - Meso Scale discovery (MSD)
 - MicroScale Thermophoresis (MST)
 - Fluorescence-based assays using Tecan plate readers.
- Collaborators within ADDUCT, located in the UBC Imaging Labs:
 - Nuclear magnetic resonance (NMR)
 - X-ray crystallography
 - Cryogenic electron microscopy (cryo-EM)